

Competitive Industrial Performance Report 2020

CIP Index, edition 2020: Country and Economy Profiles



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

Vienna, 2020

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Acronyms and Abbreviations

CIP	Competitive Industrial Performance
GDP	Gross Domestic Products
ImWMT	Impact on World Manufacturing Trade
ImWMVA	Impact on World Manufacturing Value Added
INDint	Industrialization Intensity
ISIC	International Standard Industrial Classification of all economic activities
MHT	Medium- and High-Technology
MHVash	Medium- and High-tech manufacturing Value Added share in total manufacturing value added
MXsh	Medium- and High-tech manufactured Exports share in total manufactured exports
MVA	Manufacturing Value Added
MVApc	Manufacturing Value Added per capita
MVAsh	Manufacturing Value Added share in total GDP
MXpc	Manufactured Exports per capita
MXQual	Manufactured Exports Quality
MXsh	Manufactured Exports share in total exports
UNIDO	United Nations Industrial Development Organization
WMT	World Manufactured Exports
WMVA	World Manufacturing Value Added

Section 1

Reader's Guide

This publication is the 2020 Competitive Industrial Performance Report, presenting UNIDO's annual Competitive Industrial Performance (CIP) Index, which benchmarks the ability of countries to produce and export manufactured goods competitively. It provides a graphical summary capturing the competitive performance of each of the 152 countries and economies included in the 2020 CIP Index¹, relative to their performance in previous years and compared to that of the rest of the world. Appendix A contains the methodology behind the CIP Index.

Each country profile comprises five sections: **Section 1** contains basic information about the country's classification groups (development stage group, income group and geographical region – see Appendix B.1.1-B.1.4), its ranking and score in the most recent CIP Index, as well as the world average score.

Then, **Section 2** presents an overview of the country's manufacturing sector by the means of key indicators and a bar chart of the sector's export structure based on a technology intensity classification. Exports are classified as resource based, low-, medium- and high-tech manufactures. The structure is shown as a percentage of the country's accumulated manufacturing exports. See Appendix B.2.1 for details of the technology intensity classification. The distribution of total exports is depicted in a bubble above each bar.

¹ For simplicity, this Report refers to countries/economies as 'countries' unless otherwise relevant.

Section 3 gives a detailed account of the country's competitive industrial performance. A table includes ranks and scores for the CIP Index and the eight indicators comprising the overall index:

Manufacturing Value Added Indexes

- *Manufacturing Value Added per Capita Index (MVApc)*
- *Share of Manufacturing Value Added in GDP Index (MVAsh)*
- *Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index (MHVAsh)*
- *Industrialization Intensity Index (INDint)*
- *Share of World Manufacturing Value Added Index (ImWMVA)*

Manufacturing Export Indexes

- *Manufacturing Export per Capita Index (MXpc)*
- *Share of Manufacturing Exports in Total Exports Index (MXsh)*
- *Share of Medium and High-Tech Activities in Total Manufacturing Export Index (MHVAsh)*
- *Index Industrial Export Quality Index (MXQual)*
- *Share in World Manufacturing Export Index (ImWMT)*

The table also includes the world average for each index and the rank in the previous year as calculated by the most recent index. The table rows are colored according to a color designated to the three CIP dimensions: 1. capacity to produce and export manufactures; 2. technological deepening and upgrading; and 3. world impact. The color code is available above the table.

A sparkline is depicted for each index parallel to the table capturing the absolute changes in the country's CIP score between 1990 and the most recent index year. This visual serves to help the understanding of what has driven the country's industrial competitiveness over time. As changes—albeit small—have been introduced to the methodology and indicators of the CIP Index between annual releases, to compare scores and ratings across indexes from different years would be tainted by uncertainty. Hence, comparisons across years should be carried out within the same version of the CIP Index.

Section 4 offers a graphical visualization of the country's competitive performance. In two sets of boxplots, each depicting the CIP Index and the first and second dimension sub-indexes, the country's performance is illustrated in context of that of the other 152 countries and in context of the development group to which it belongs.² Each boxplot depicts the spread of the relevant countries' scores, from the lowest to the highest scorer within the indexes as indicated by, respectively, the left and the right whisker. In all cases, the country's score is indicated with an orange bubble, while the group average is illustrated with either a black (world) or white-centered (regional group) bubble for comparison. Moreover, the two rectangles in each boxplot capture those countries, whose score are in the second and third CIP performance quartiles

(together representing 50 percent of all countries), and the separating white line depicts the median value.

In cases, when a boxplot is comparatively short—i.e. the maximum and minimum values are not far apart—it suggests little difference in countries' performance within a given index. A comparatively long boxplot indicates, vice versa, that some countries perform much better or worse than the average (measured by the median). When the four segments of a boxplot are uneven in size, for example when the left rectangle is considerably larger than the other, it illustrates that many countries at a particular part of the scale perform relatively evenly while in other parts of the scale the performance varies more. Also, the whiskers offer valuable information. A long left whisker indicates that the scores of countries differ in the lower performance quintiles; a short right whisker is suggestive of very similar scores in the best performing quintile.

Finally, the two graphs in **Section 5** show changes having occurred in the country's production and trade structure over time. Changes in production structure are shown by plotting the share of manufacturing value added in GDP against the share of medium- and high-tech value added in total manufacturing value added. Similarly, changes in trade structure are considered by plotting the share of manufactured exports in total exports against the share of medium- and high-tech exports in the country's total export (see Appendix Table B.2.2 for the manufacturing categories; based on OECD 2003 and UNIDO 2010). Bubble sizes represent, respectively, manufactured value added and manufactured exports per capita. These graphs offer some

² The sub-indexes of the 3rd dimension are excluded from the box plot visualization. As the vast majorities of countries score below 0.1 and only a few major economies scoring higher, the plots would be highly skewed and not carry any significant information.

Basic country information incl. overall CIP performance

Snapshot of the country's economy and manufacturing sector

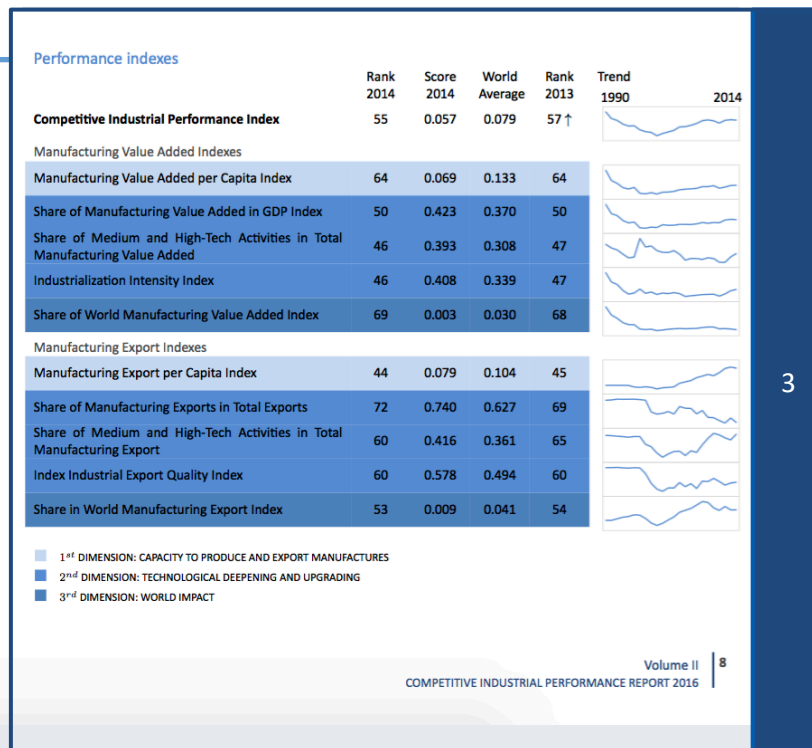
Detailed table of the country's performance per CIP sub-index compared to the world average and previous year. Trend lines illustrates changes since year 1990.



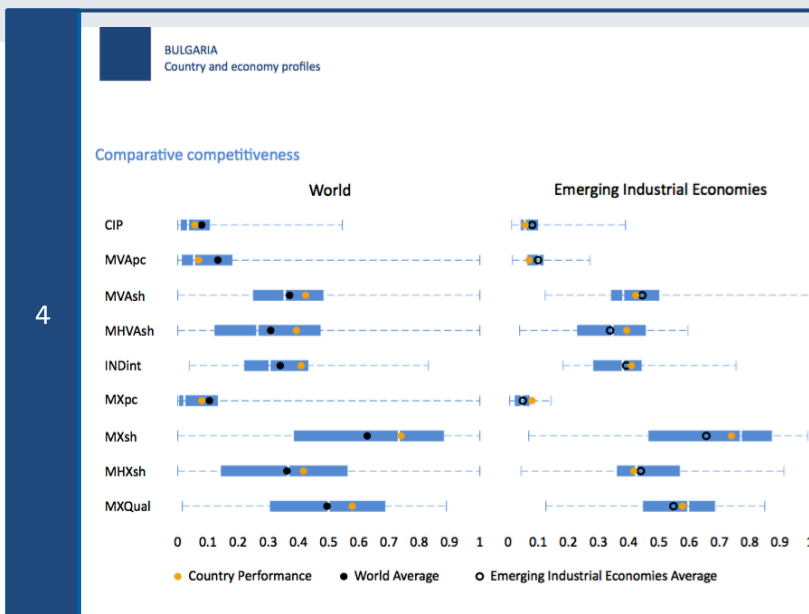
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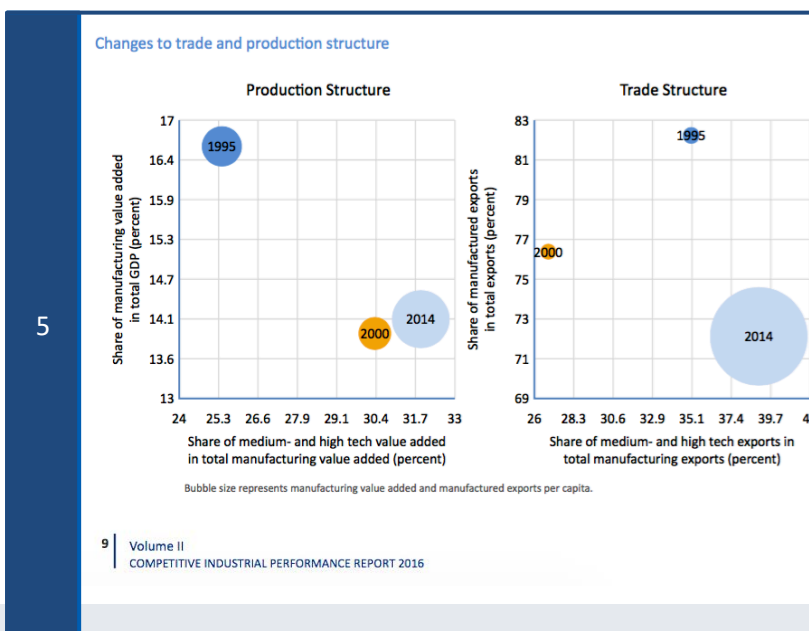
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3



4



5

Visualization of the country's performance within each CIP sub-index compared to the world and emerging industrialized economies. Bars indicate maximum and minimum values, and the distribution of scores.

Visualization that puts the 1st and 2nd dimensions of the CIP Index in context of one another, illustrating the country's changing production and trade structure in the years 2000, 2010 and 2018.

optional insights into structural changes in the country's manufacturing sector over time as well as the sector's significance in the total economy. Both serve to explain changes to the country's CIP performance over time.

The majority of data used to produce the country profiles are found in the CIP 2020 Database, excluding GDP and MVA, which are from UNIDO's MVA 2020 Database. Detailed data for export structures are not stored in the CIP database, which only includes the derived indicators used to compile the CIP index.

Data presented in this Report are made available at stat.unido.org/cip. Here, the Report and the individual country profiles are also available for download.

Section 2

Country and Economy Profiles

List of Countries and Economies

 ASIA AND PACIFIC
  EUROPE
  AFRICA
  LATIN AMERICA
  NORTH AMERICA

Page CIP Country/Economy

Page CIP Country/Economy

8	146	Afghanistan		76	73	Colombia	
10	118	Albania		78	101	Congo	
12	98	Algeria		80	66	Costa Rica	
14	107	Angola		82	105	Côte d'Ivoire	
16	53	Argentina		84	57	Croatia	
18	103	Armenia		86	90	Cuba	
20	34	Australia		88	91	Cyprus	
22	14	Austria		90	16	Czechia	
24	120	Azerbaijan		92	21	Denmark	
26	119	Bahamas		94	86	Ecuador	
28	51	Bahrain		96	64	Egypt	
30	70	Bangladesh		98	81	El Salvador	
32	113	Barbados		100	149	Eritrea	
34	47	Belarus		102	48	Estonia	
36	12	Belgium		104	83	Eswatini	
38	130	Belize		106	134	Ethiopia	
40	139	Bermuda		108	117	Fiji	
42	102	Bolivia (Plurinational State of)		110	25	Finland	
44	80	Bosnia and Herzegovina		112	13	France	
46	89	Botswana		114	110	Gabon	
48	40	Brazil		116	148	Gambia	
50	93	Brunei Darussalam		118	96	Georgia	
52	54	Bulgaria		120	1	Germany	
54	145	Burundi		122	114	Ghana	
56	136	Cabo Verde		124	49	Greece	
58	85	Cambodia		126	74	Guatemala	
60	121	Cameroon		128	141	Haiti	
62	19	Canada		130	95	Honduras	
64	133	Central African Republic		132	27	Hungary	
66	50	Chile		134	79	Iceland	
68	2	China		136	42	India	
70	88	China, Hong Kong SAR		138	39	Indonesia	
72	150	China, Macao SAR		140	56	Iran (Islamic Republic of)	
74	8	China, Taiwan Province		142	147	Iraq	

Page	CIP	Country/Economy	Page	CIP	Country/Economy
144	6	Ireland	228	22	Poland
146	28	Israel	230	33	Portugal
148	11	Italy	232	45	Qatar
150	108	Jamaica	234	3	Republic of Korea
152	5	Japan	236	111	Republic of Moldova
154	76	Jordan	238	31	Romania
156	68	Kazakhstan	240	32	Russian Federation
158	115	Kenya	242	142	Rwanda
160	55	Kuwait	244	138	Saint Lucia
162	122	Kyrgyzstan	246	37	Saudi Arabia
164	109	Lao People's Dem Rep	248	106	Senegal
166	58	Latvia	250	62	Serbia
168	94	Lebanon	252	9	Singapore
170	41	Lithuania	254	26	Slovakia
172	46	Luxembourg	256	30	Slovenia
174	137	Madagascar	258	52	South Africa
176	143	Malawi	260	18	Spain
178	23	Malaysia	262	75	Sri Lanka
180	144	Maldives	264	112	State of Palestine
182	71	Malta	266	131	Suriname
184	87	Mauritius	268	17	Sweden
186	20	Mexico	270	7	Switzerland
188	104	Mongolia	272	116	Syrian Arab Republic
190	127	Montenegro	274	129	Tajikistan
192	61	Morocco	276	24	Thailand
194	132	Mozambique	278	152	Tonga
196	84	Myanmar	280	59	Trinidad and Tobago
198	97	Namibia	282	67	Tunisia
200	135	Nepal	284	29	Turkey
202	10	Netherlands	286	128	Uganda
204	44	New Zealand	288	69	Ukraine
206	151	Niger	290	35	United Arab Emirates
208	99	Nigeria	292	15	United Kingdom
					United Republic of
210	77	North Macedonia	294	123	Tanzania
212	36	Norway	296	4	United States of America
214	63	Oman	298	78	Uruguay
216	82	Pakistan	300	92	Uzbekistan
					Venezuela (Bolivarian
218	72	Panama	302	65	Republic of)
220	126	Papua New Guinea	304	38	Viet Nam
222	100	Paraguay	306	140	Yemen
224	60	Peru	308	125	Zambia
226	43	Philippines	310	124	Zimbabwe

Competitive Industrial Performance Index 2020

Afghanistan

Asia and Pacific
Least Developed Countries
Low Income

RANK 146
(index of 152 countries)

Score **0.001**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

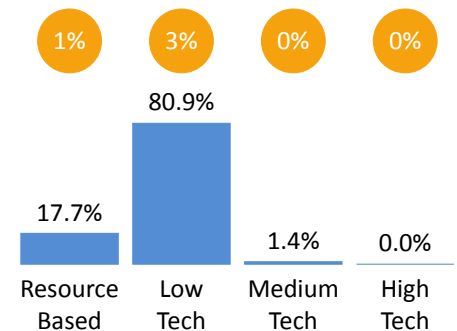
GDP: 22.5 billion | 604 per capita

Manufacturing value added: 2,464 million | 66.3 per capita

Manufacturing exports: 35.2 million | 1.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

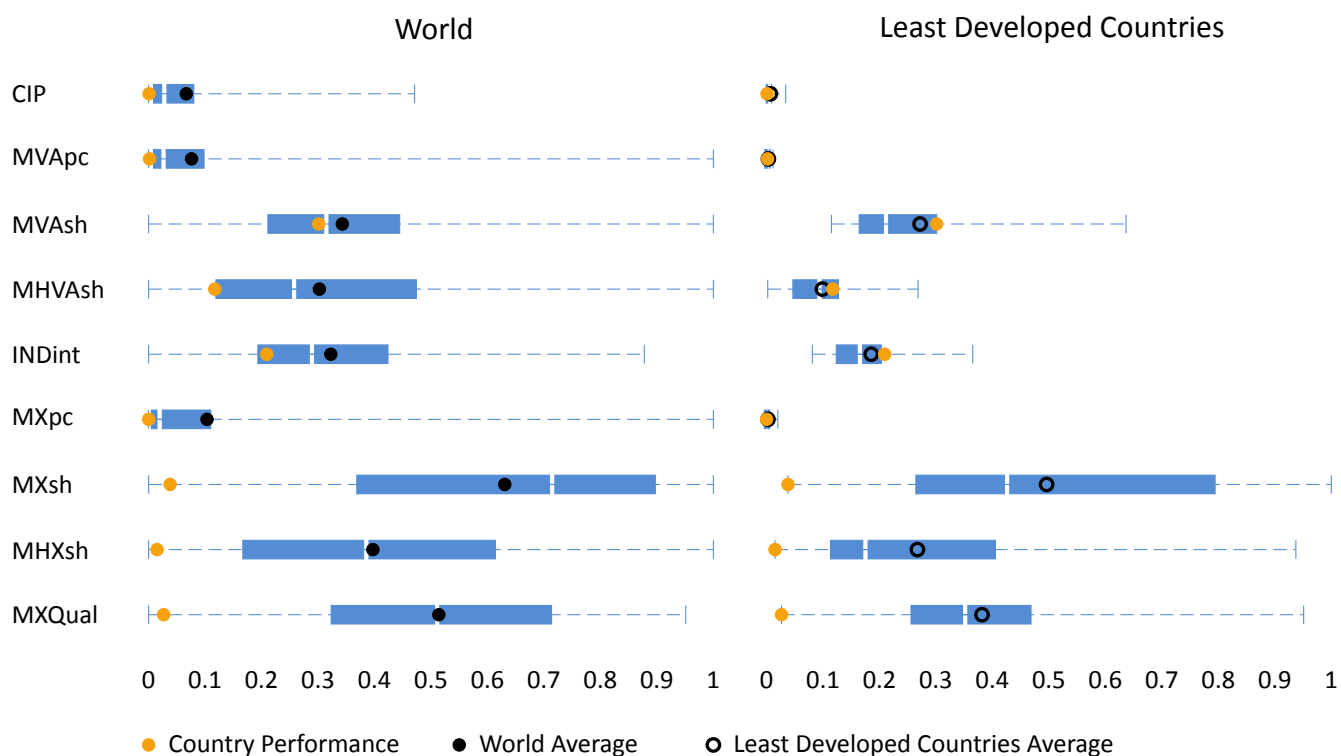


Performance indexes

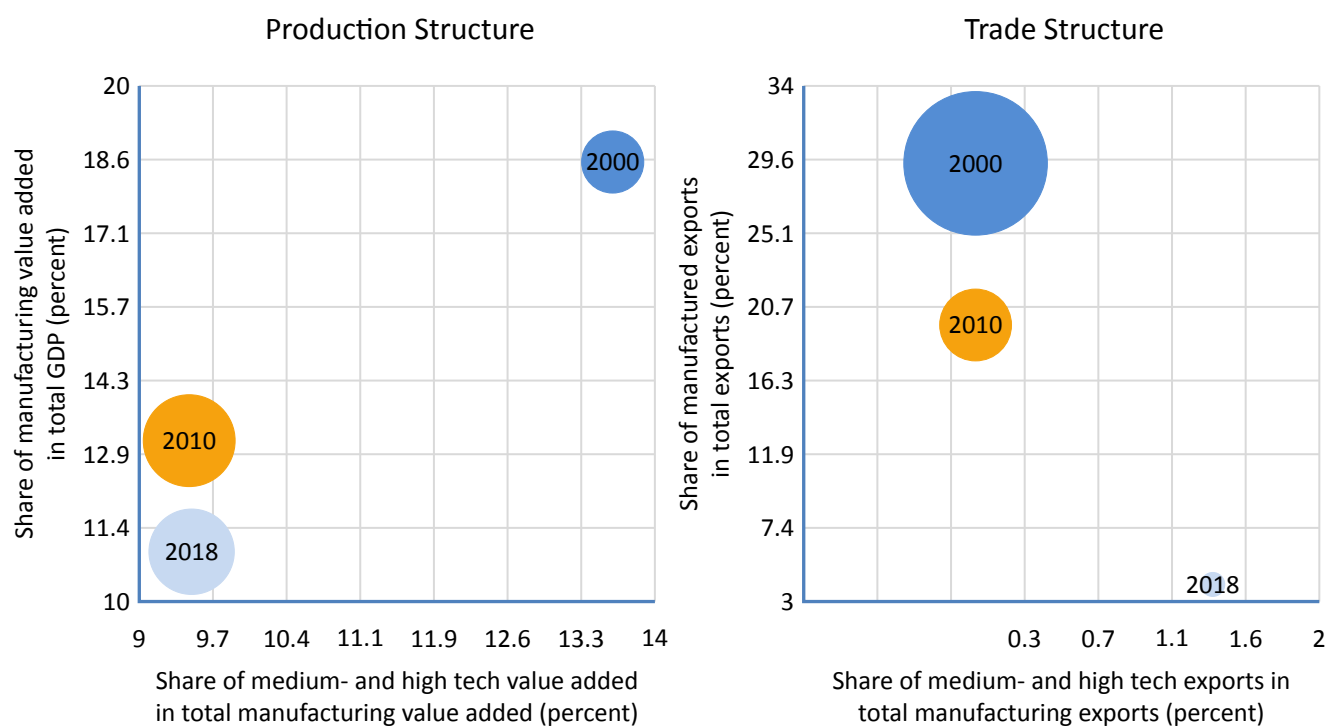
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	146	0.001	0.067	146 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	138	0.002	0.076	138	
Share of Manufacturing Value Added in GDP Index	85	0.301	0.343	90	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	115	0.117	0.302	114	
Industrialization Intensity Index	105	0.209	0.323	106	
Share of World Manufacturing Value Added Index	101	0.001	0.023	102	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	151	0.000	0.103	151	
Share of Manufacturing Exports in Total Exports Index	151	0.038	0.631	147	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	146	0.015	0.397	150	
Index Industrial Export Quality Index	151	0.027	0.514	150	
Share in World Manufacturing Export Index	147	0.000	0.039	145	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Albania

Europe
Other Developing Economies
Upper Middle Income

RANK 118
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

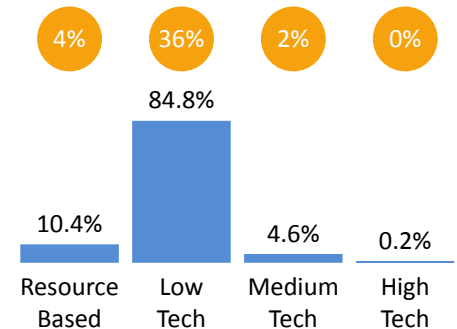
GDP: 12.7 billion | 4,412 per capita

Manufacturing value added: 797.3 million | 277 per capita

Manufacturing exports: 1,216 million | 422 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

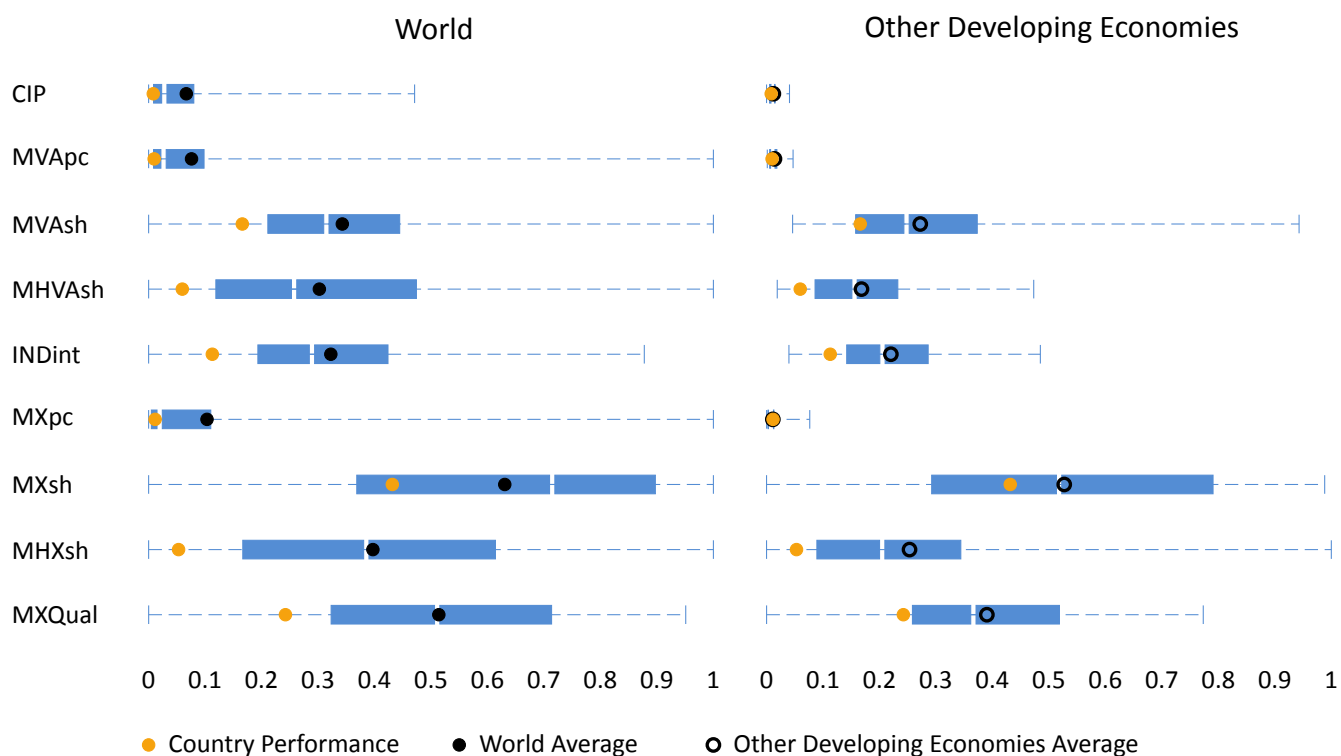


Performance indexes

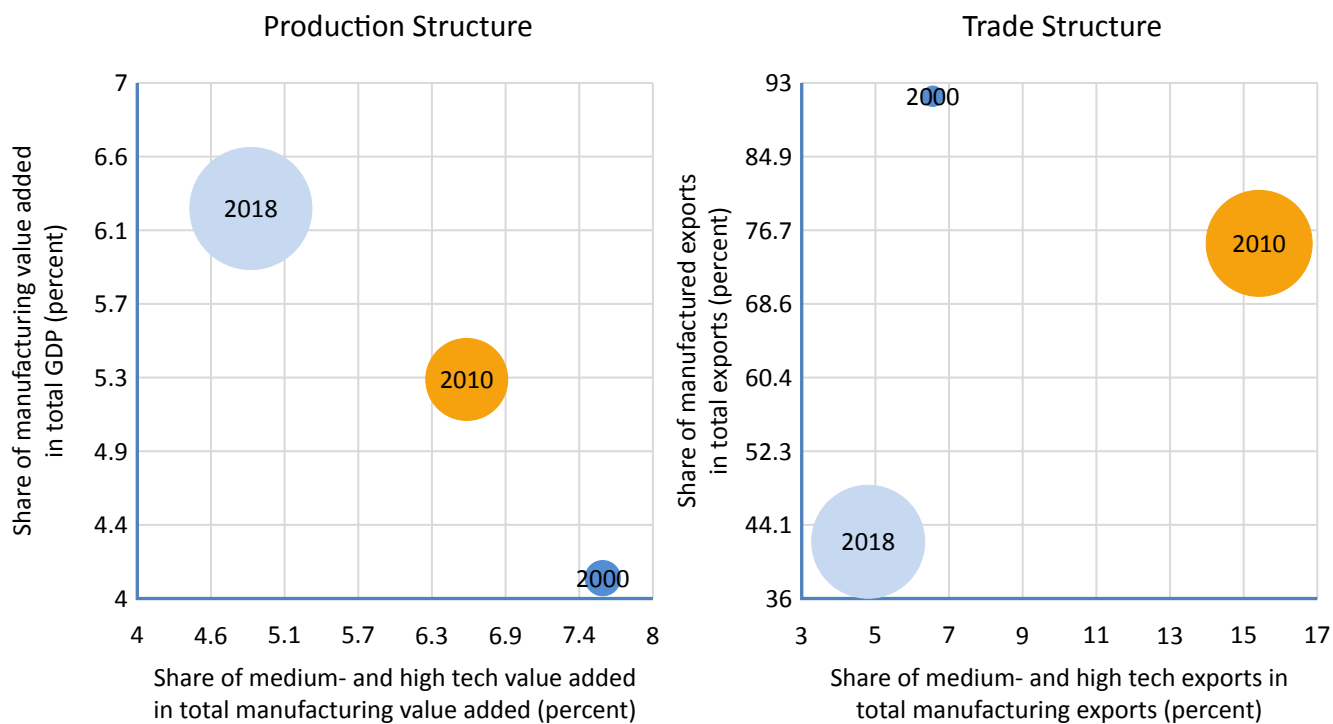
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	118	0.008	0.067	114 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	112	0.010	0.076	111	
Share of Manufacturing Value Added in GDP Index	124	0.166	0.343	126	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	132	0.060	0.302	132	
Industrialization Intensity Index	141	0.113	0.323	140	
Share of World Manufacturing Value Added Index	130	0.000	0.023	130	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	94	0.011	0.103	90	
Share of Manufacturing Exports in Total Exports Index	106	0.431	0.631	88	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	136	0.053	0.397	141	
Index Industrial Export Quality Index	133	0.242	0.514	120	
Share in World Manufacturing Export Index	117	0.001	0.039	112	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Algeria

Africa
Other Developing Economies
Upper Middle Income

RANK 98
(index of 152 countries)

Score **0.014**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

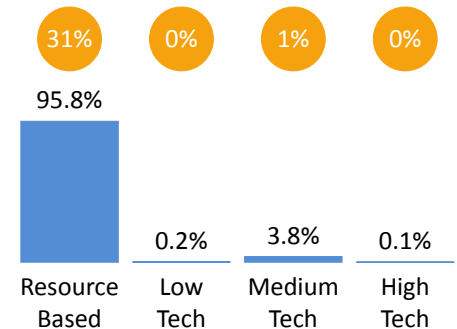
GDP: 176.1 billion | 4,171 per capita

Manufacturing value added: 8,022 million | 190 per capita

Manufacturing exports: 11.5 billion | 278 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

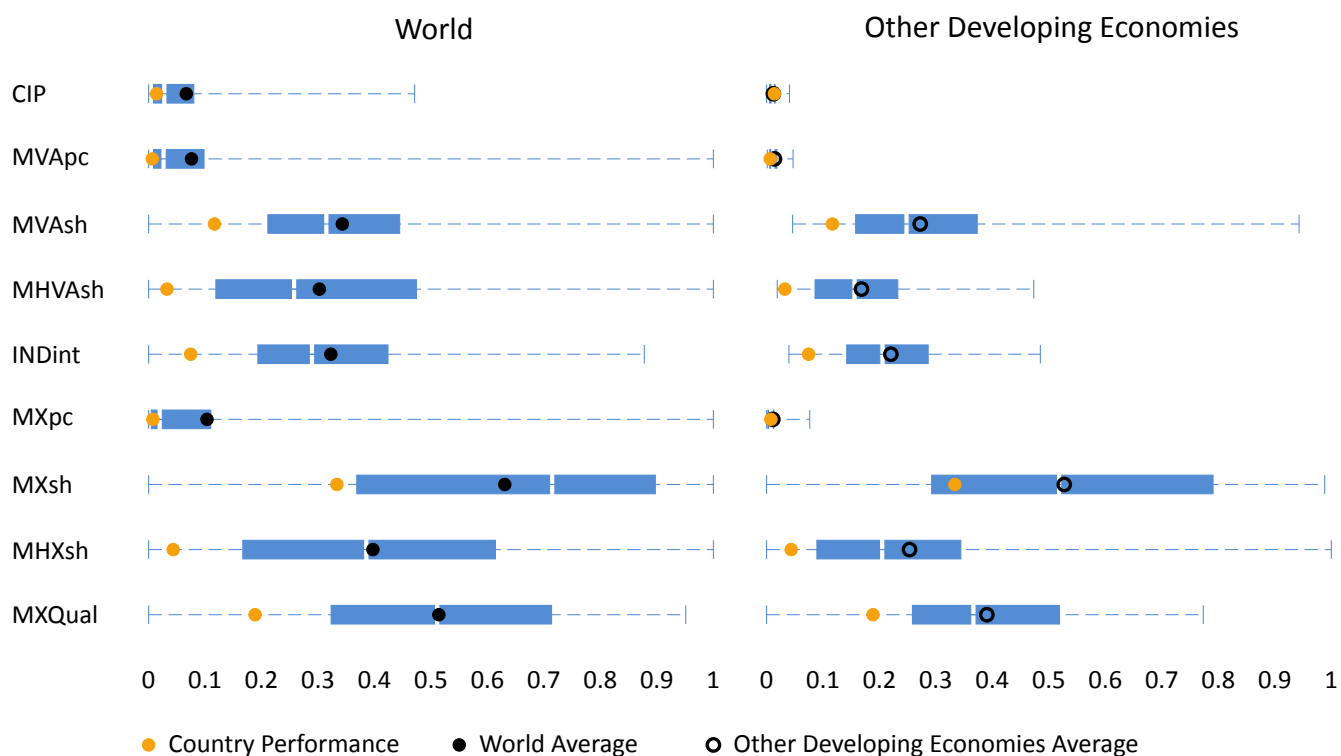


Performance indexes

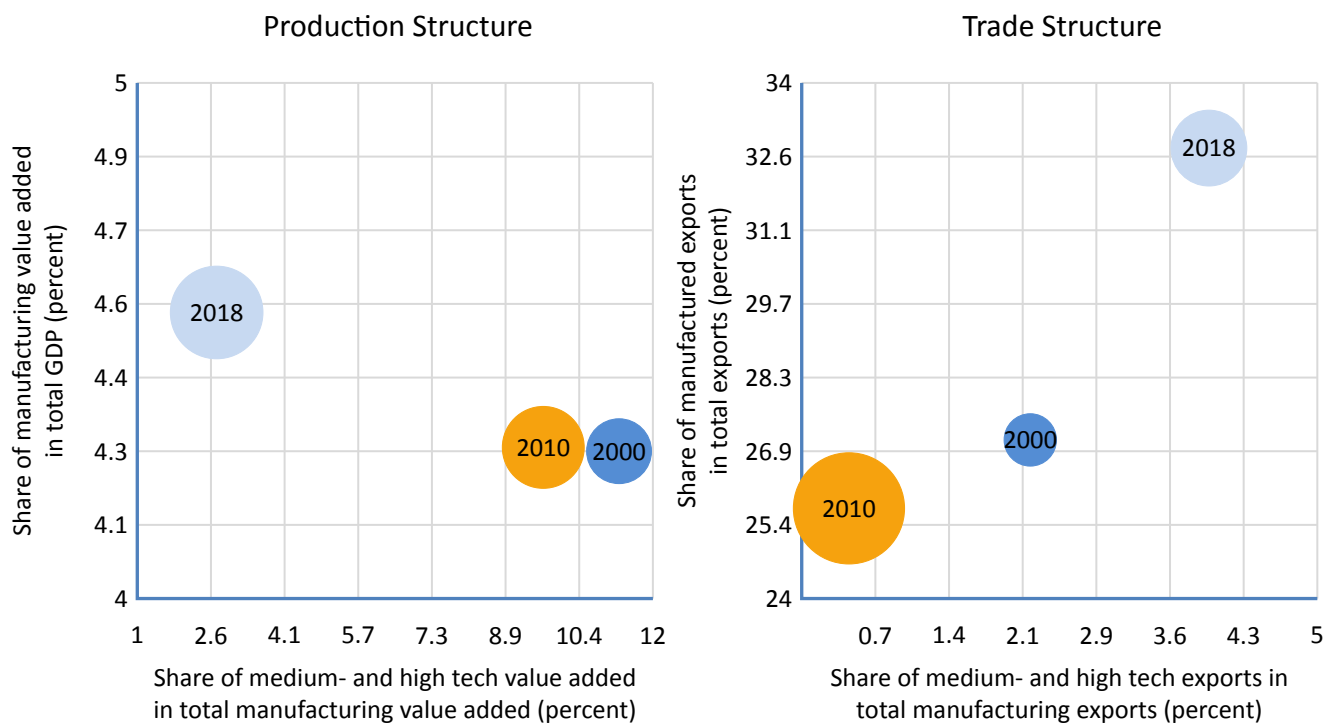
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	98	0.014	0.067	96 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	126	0.006	0.076	125	
Share of Manufacturing Value Added in GDP Index	142	0.117	0.343	143	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	144	0.032	0.302	144	
Industrialization Intensity Index	149	0.074	0.323	149	
Share of World Manufacturing Value Added Index	70	0.002	0.023	69	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	103	0.008	0.103	103	
Share of Manufacturing Exports in Total Exports Index	120	0.333	0.631	117	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	140	0.044	0.397	139	
Index Industrial Export Quality Index	142	0.188	0.514	140	
Share in World Manufacturing Export Index	69	0.005	0.039	68	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Angola

Africa
Least Developed Countries
Lower Middle Income

RANK 107
(index of 152 countries)

Score **0.012**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

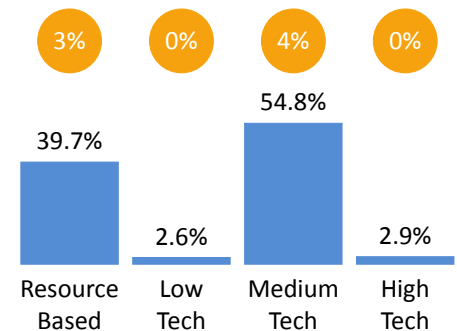
GDP: 109.0 billion | 3,539 per capita

Manufacturing value added: 8,566 million | 278 per capita

Manufacturing exports: 2,774 million | 90.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

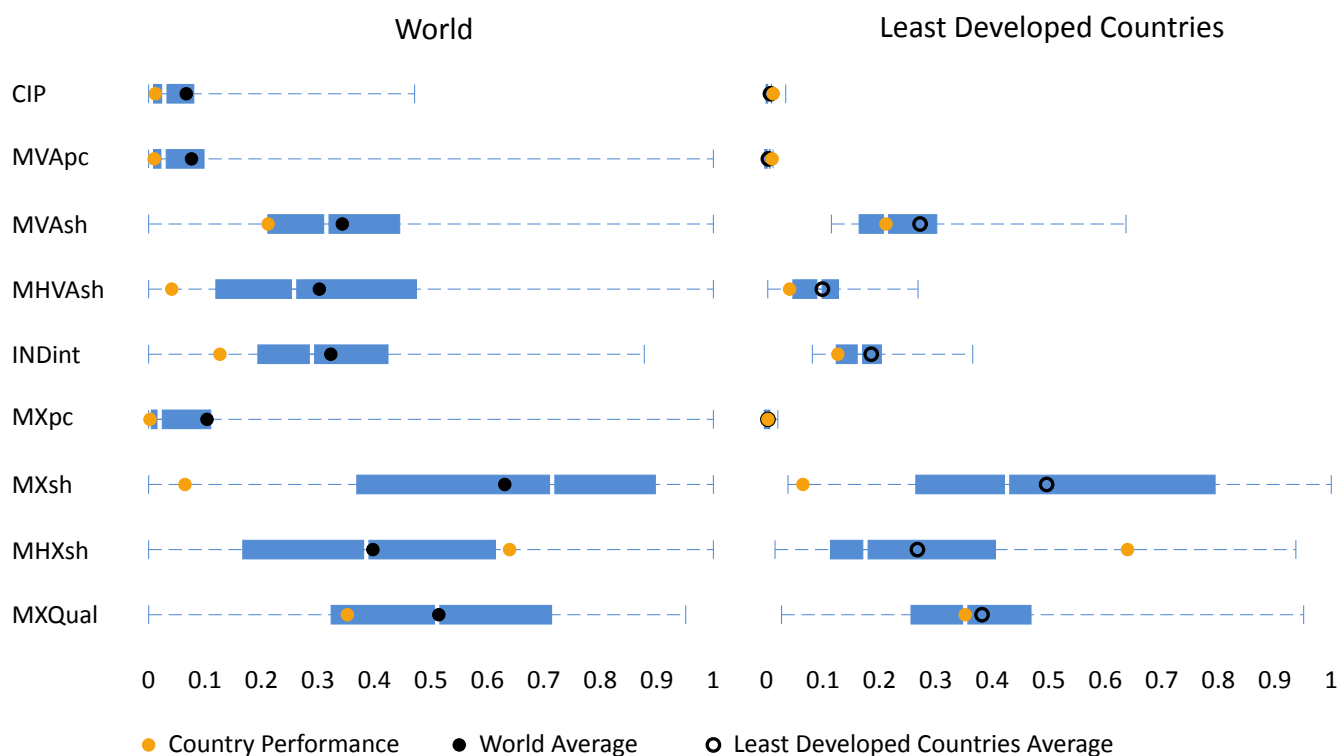


Performance indexes

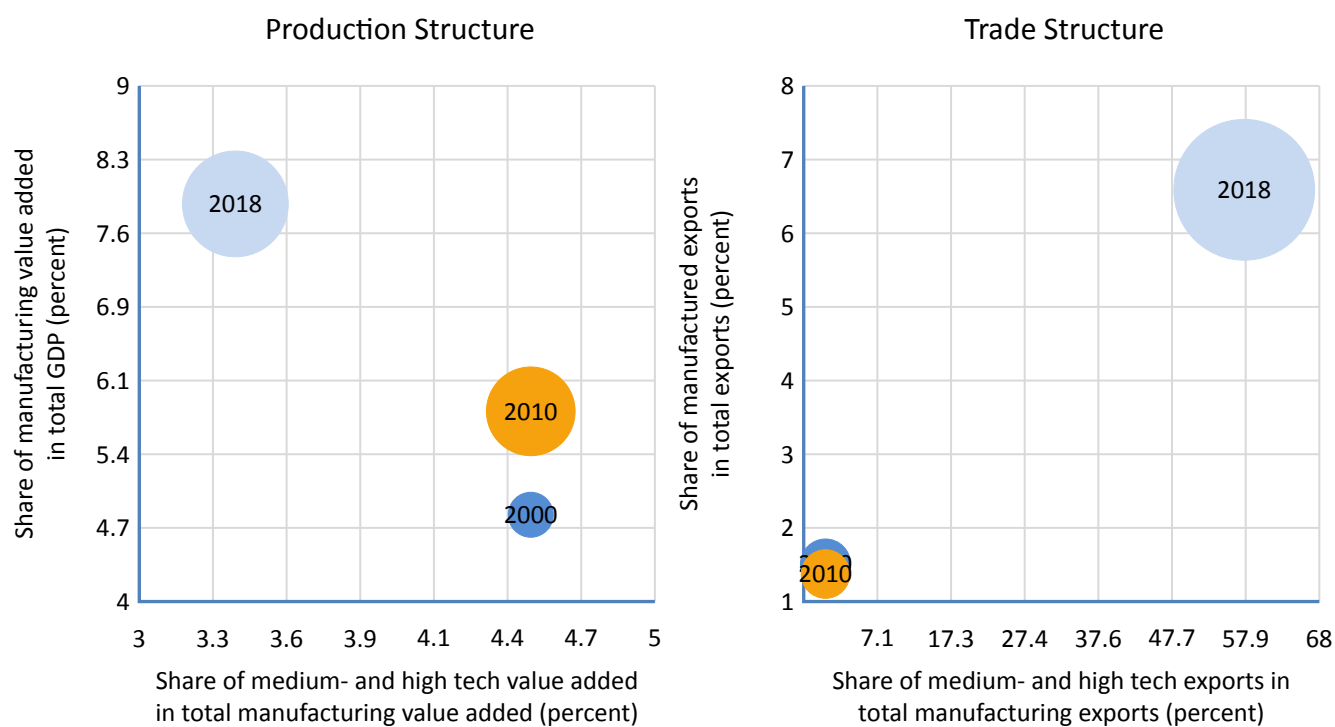
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	107	0.012	0.067	118 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	110	0.010	0.076	109	
Share of Manufacturing Value Added in GDP Index	113	0.212	0.343	118	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	140	0.041	0.302	140	
Industrialization Intensity Index	135	0.126	0.323	136	
Share of World Manufacturing Value Added Index	68	0.002	0.023	68	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	124	0.002	0.103	129	
Share of Manufacturing Exports in Total Exports Index	146	0.064	0.631	150	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	35	0.639	0.397	97	
Index Industrial Export Quality Index	105	0.352	0.514	144	
Share in World Manufacturing Export Index	96	0.001	0.039	110	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Argentina

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 53
(index of 152 countries)

Score **0.053**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

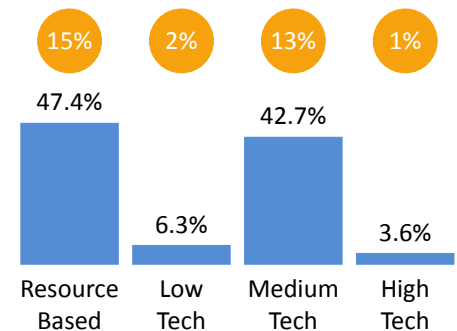
GDP: 635.1 billion | 14,317 per capita

Manufacturing value added: 85.1 billion | 1,919 per capita

Manufacturing exports: 19.4 billion | 438 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

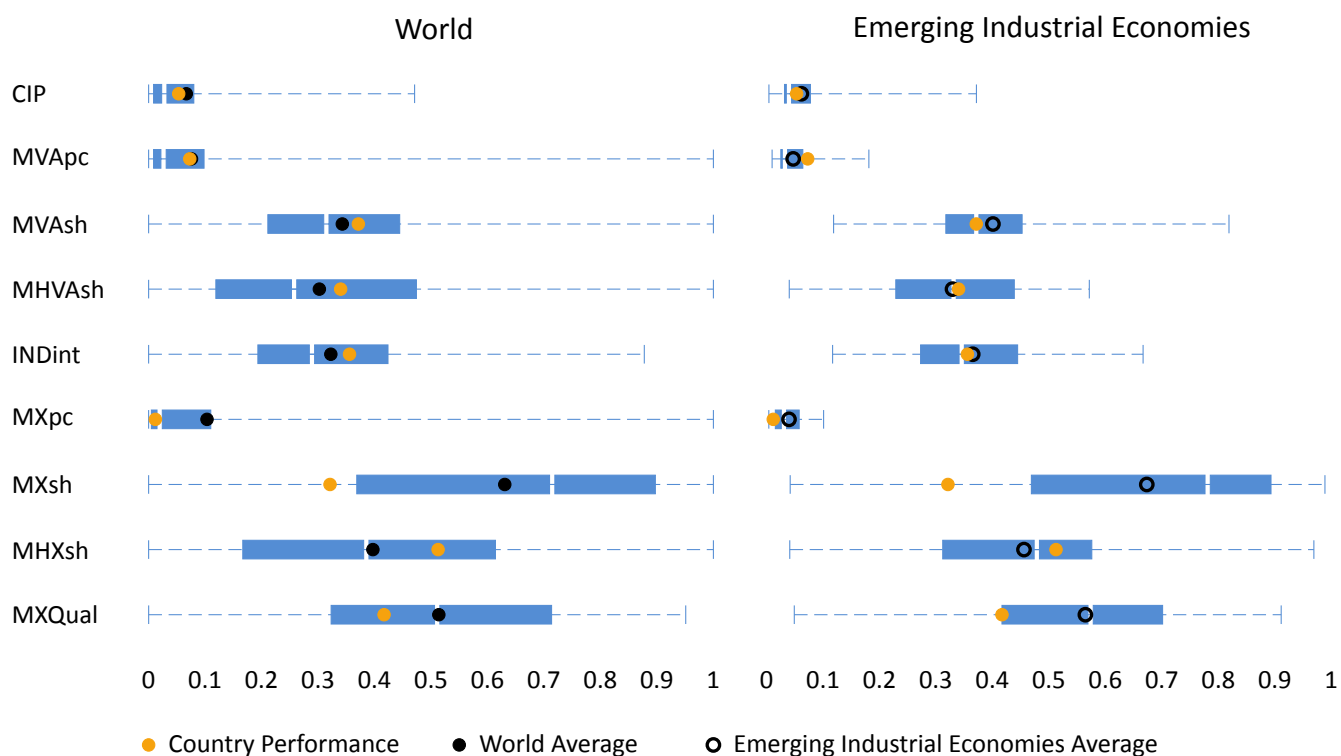


Performance indexes

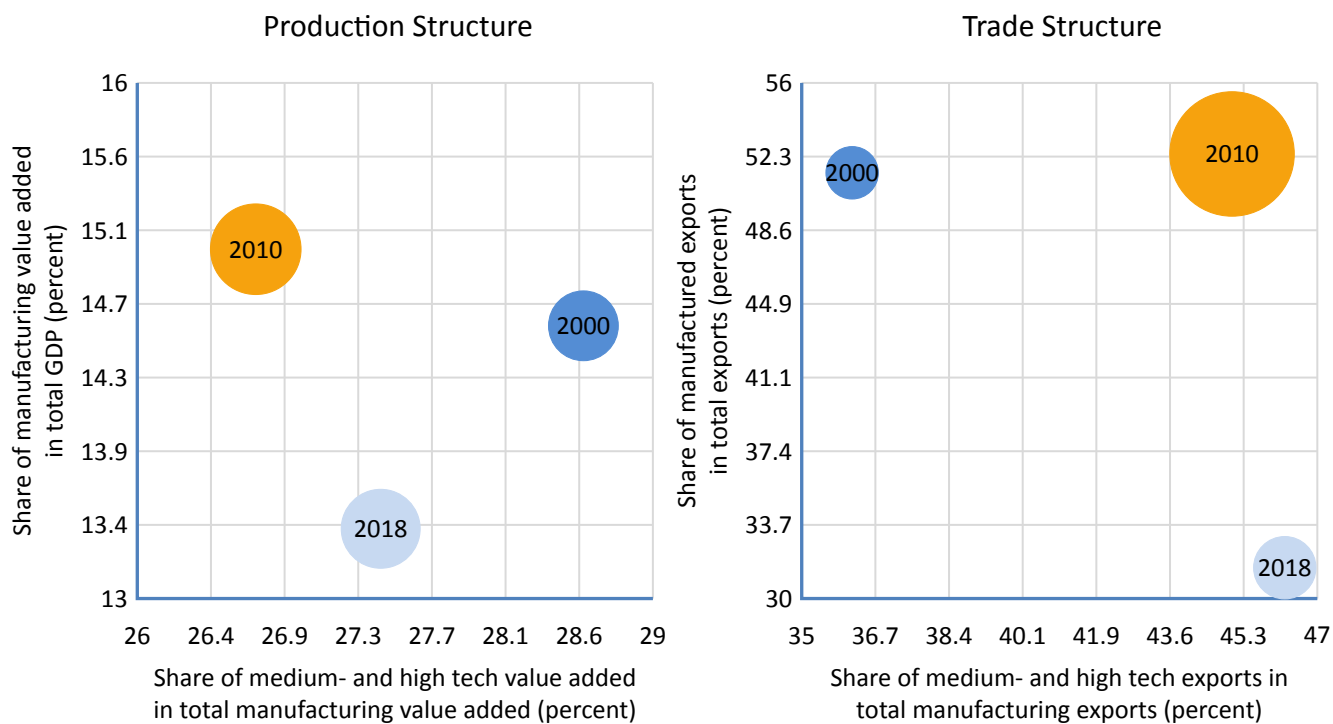
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	53	0.053	0.067	45 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	47	0.073	0.076	43	
Share of Manufacturing Value Added in GDP Index	58	0.371	0.343	54	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	58	0.340	0.302	61	
Industrialization Intensity Index	55	0.356	0.323	57	
Share of World Manufacturing Value Added Index	24	0.022	0.023	22	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	92	0.012	0.103	82	
Share of Manufacturing Exports in Total Exports Index	122	0.321	0.631	102	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	52	0.513	0.397	49	
Index Industrial Export Quality Index	92	0.417	0.514	79	
Share in World Manufacturing Export Index	55	0.008	0.039	48	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Armenia

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 103
(index of 152 countries)

Score **0.012**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

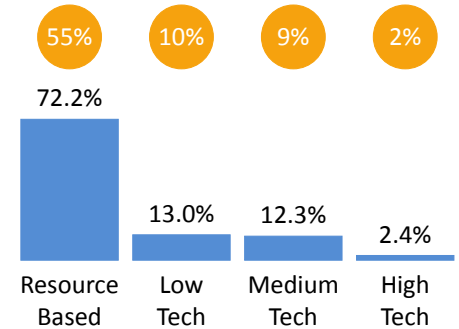
GDP: 12.0 billion | 4,051 per capita

Manufacturing value added: 1,207 million | 409 per capita

Manufacturing exports: 1,651 million | 559 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

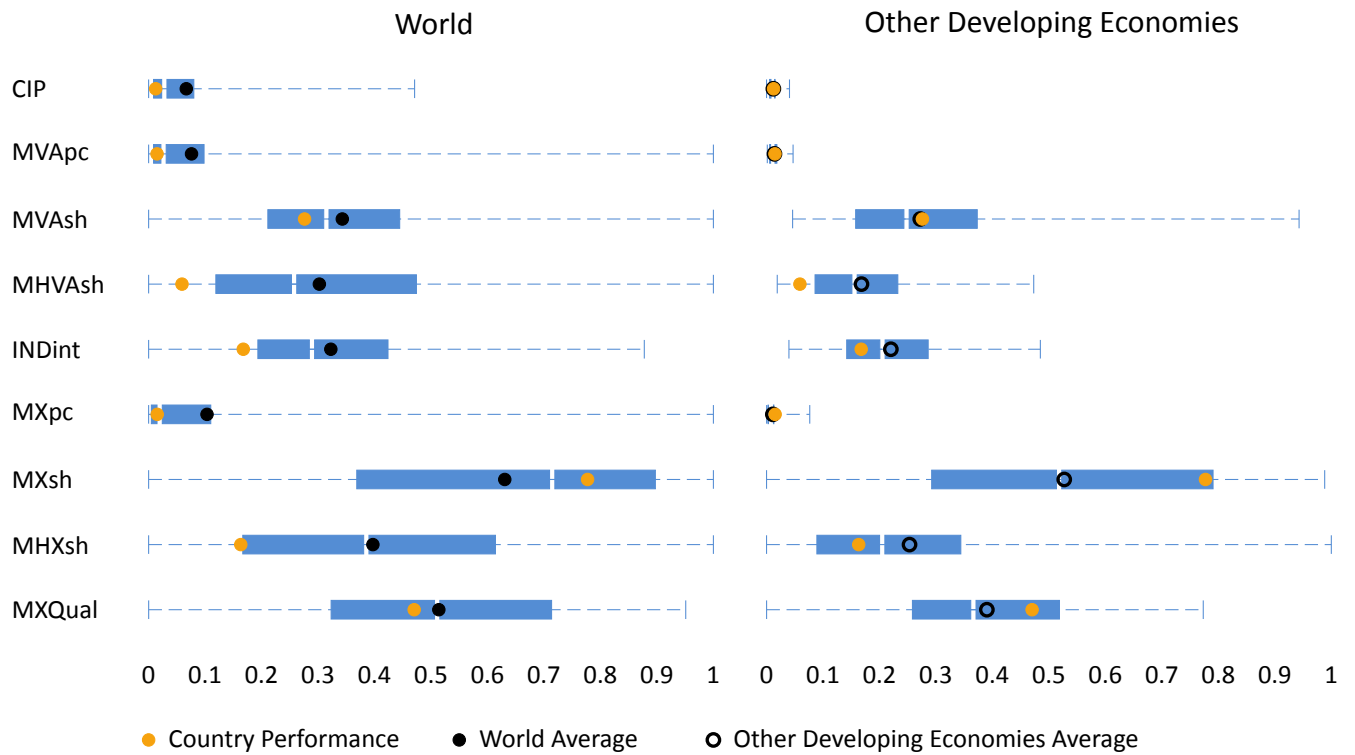


Performance indexes

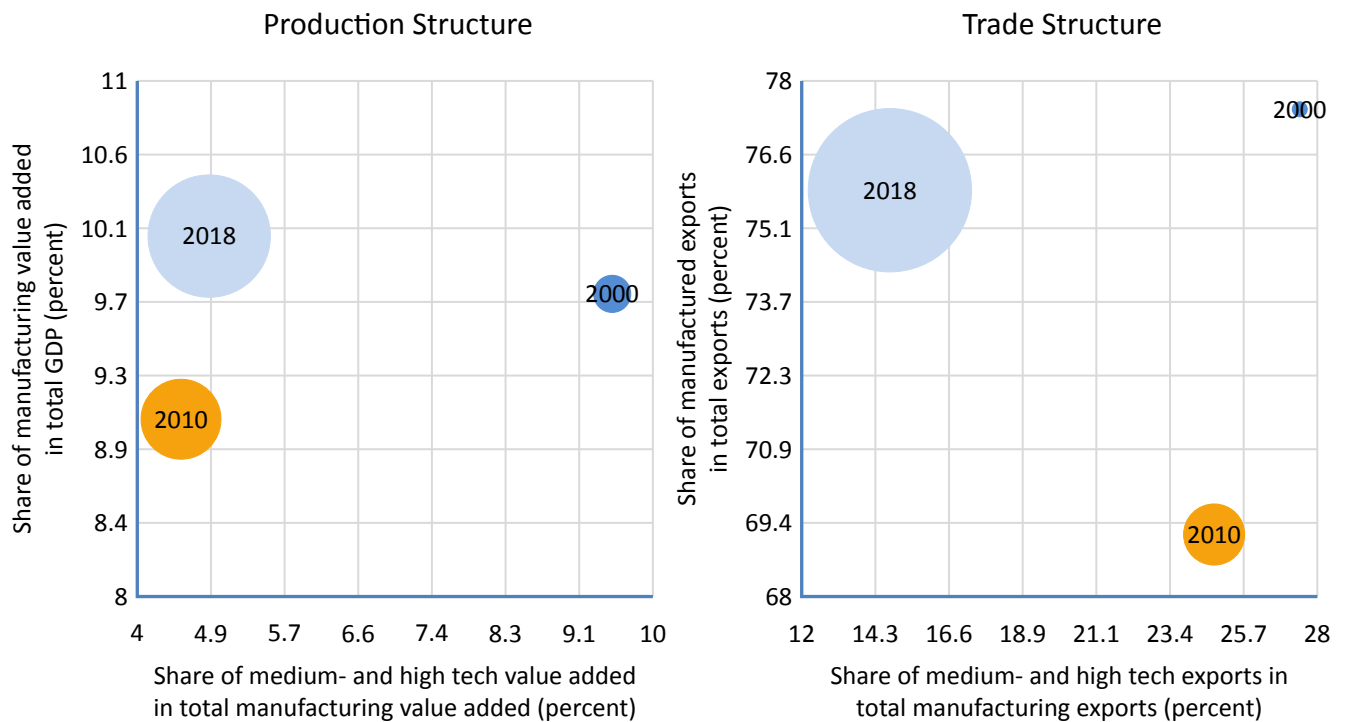
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	103	0.012	0.067	103 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	98	0.015	0.076	100	
Share of Manufacturing Value Added in GDP Index	96	0.276	0.343	96	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	133	0.059	0.302	133	
Industrialization Intensity Index	124	0.168	0.323	126	
Share of World Manufacturing Value Added Index	119	0.000	0.023	120	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	85	0.015	0.103	86	
Share of Manufacturing Exports in Total Exports Index	69	0.777	0.631	69	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	115	0.163	0.397	118	
Index Industrial Export Quality Index	83	0.470	0.514	84	
Share in World Manufacturing Export Index	109	0.001	0.039	107	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Australia

Asia and Pacific
Industrialized Economies
High Income

RANK 34
(index of 152 countries)

Score **0.095**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

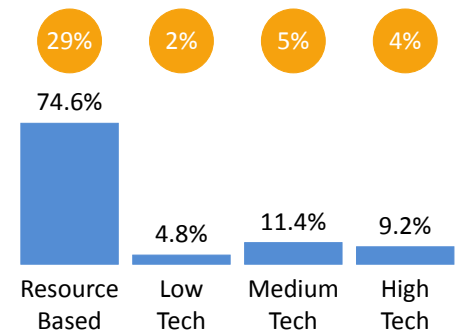
GDP: 1,345 billion | 54,001 per capita

Manufacturing value added: 72.8 billion | 2,923 per capita

Manufacturing exports: 100.0 billion | 4,016 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

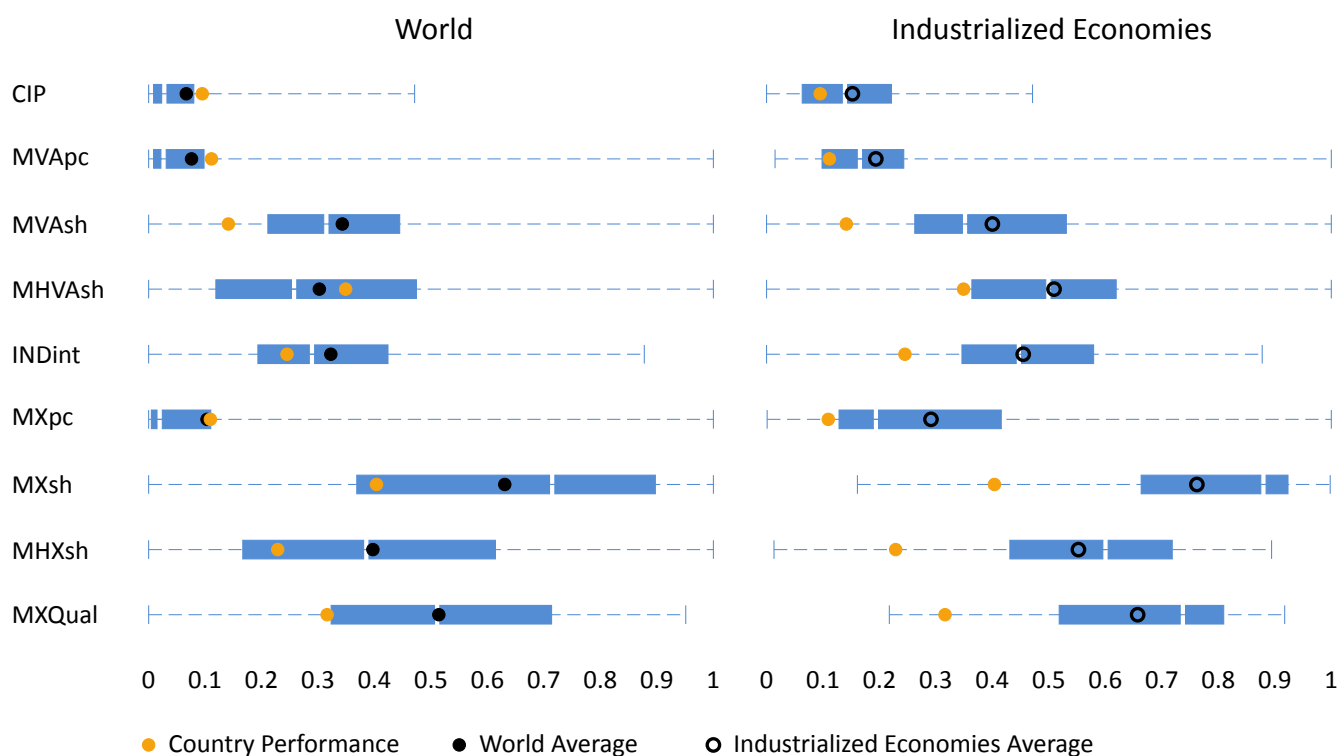


Performance indexes

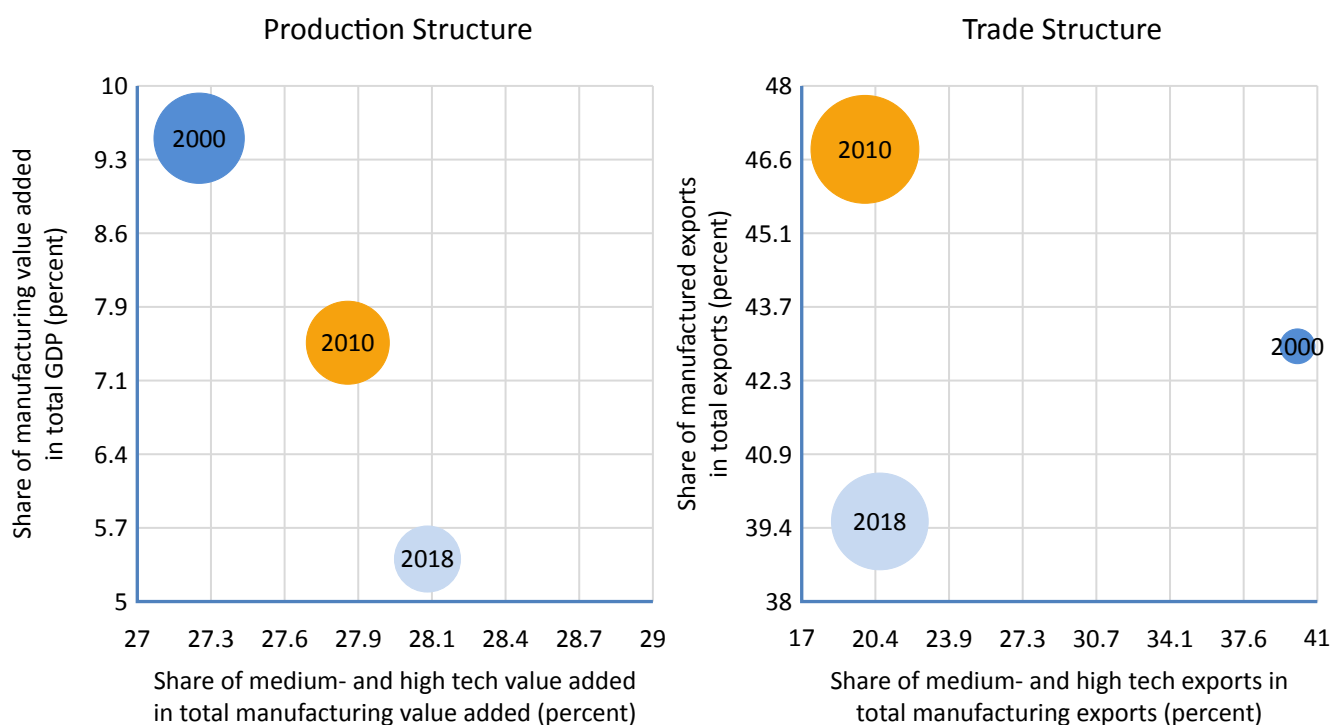
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	34	0.095	0.067	32 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	34	0.111	0.076	32	
Share of Manufacturing Value Added in GDP Index	135	0.141	0.343	135	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	54	0.349	0.302	55	
Industrialization Intensity Index	95	0.245	0.323	94	
Share of World Manufacturing Value Added Index	27	0.019	0.023	26	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	40	0.109	0.103	36	
Share of Manufacturing Exports in Total Exports Index	111	0.403	0.631	105	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	104	0.229	0.397	106	
Index Industrial Export Quality Index	117	0.316	0.514	116	
Share in World Manufacturing Export Index	31	0.042	0.039	31	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Austria

Europe
Industrialized Economies
High Income

RANK 14
(index of 152 countries)

Score **0.205**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

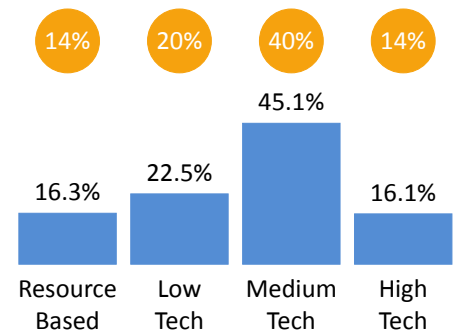
GDP: 410.5 billion | 46,168 per capita

Manufacturing value added: 72.2 billion | 8,123 per capita

Manufacturing exports: 155.6 billion | 17,496 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

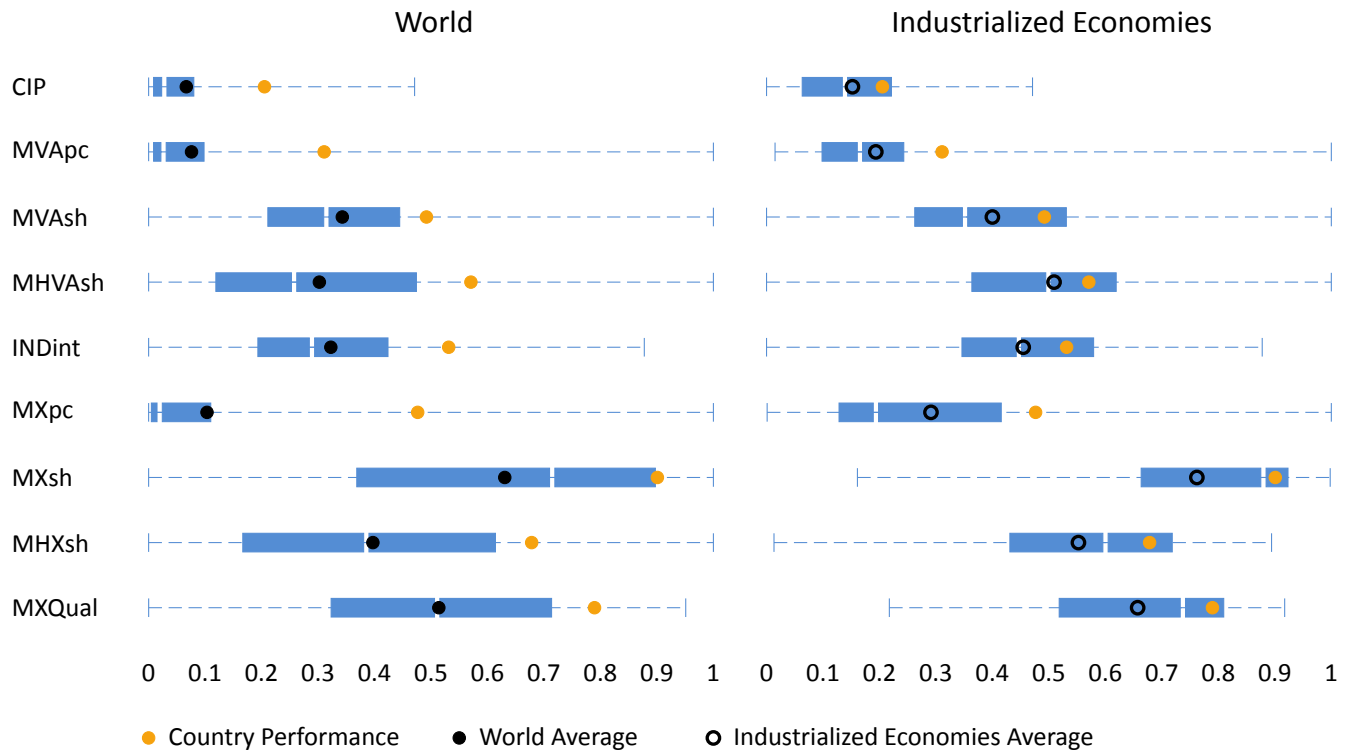


Performance indexes

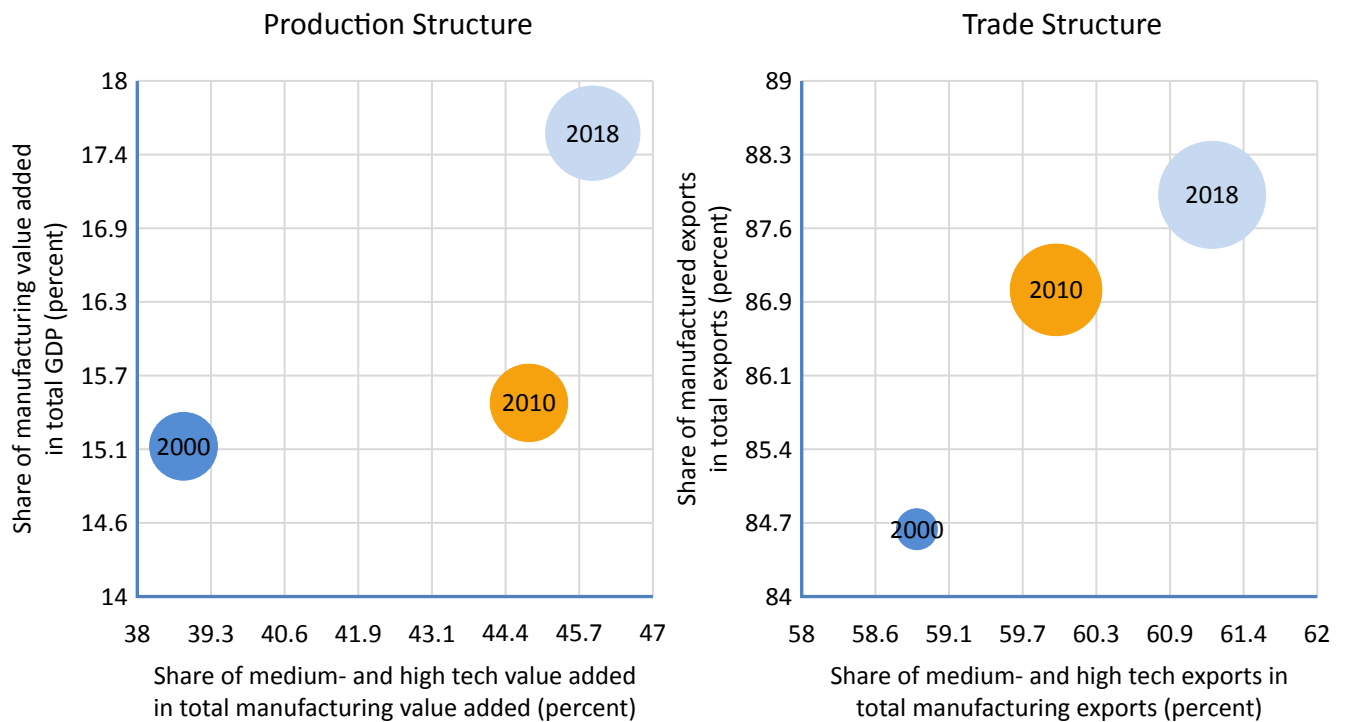
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	14	0.205	0.067	15 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	5	0.311	0.076	6	
Share of Manufacturing Value Added in GDP Index	29	0.492	0.343	29	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	21	0.571	0.302	21	
Industrialization Intensity Index	18	0.531	0.323	18	
Share of World Manufacturing Value Added Index	29	0.019	0.023	28	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	8	0.476	0.103	8	
Share of Manufacturing Exports in Total Exports Index	36	0.901	0.631	28	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	27	0.678	0.397	25	
Index Industrial Export Quality Index	21	0.790	0.514	19	
Share in World Manufacturing Export Index	25	0.065	0.039	24	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Azerbaijan

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 120
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

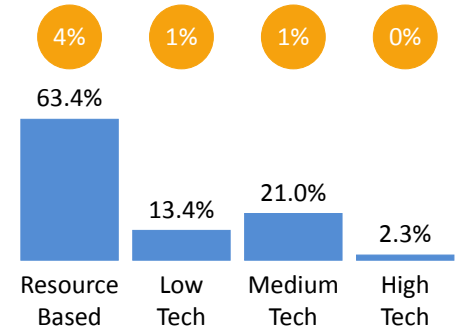
GDP: 52.0 billion | 5,227 per capita

Manufacturing value added: 2,530 million | 254 per capita

Manufacturing exports: 1,186 million | 119 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

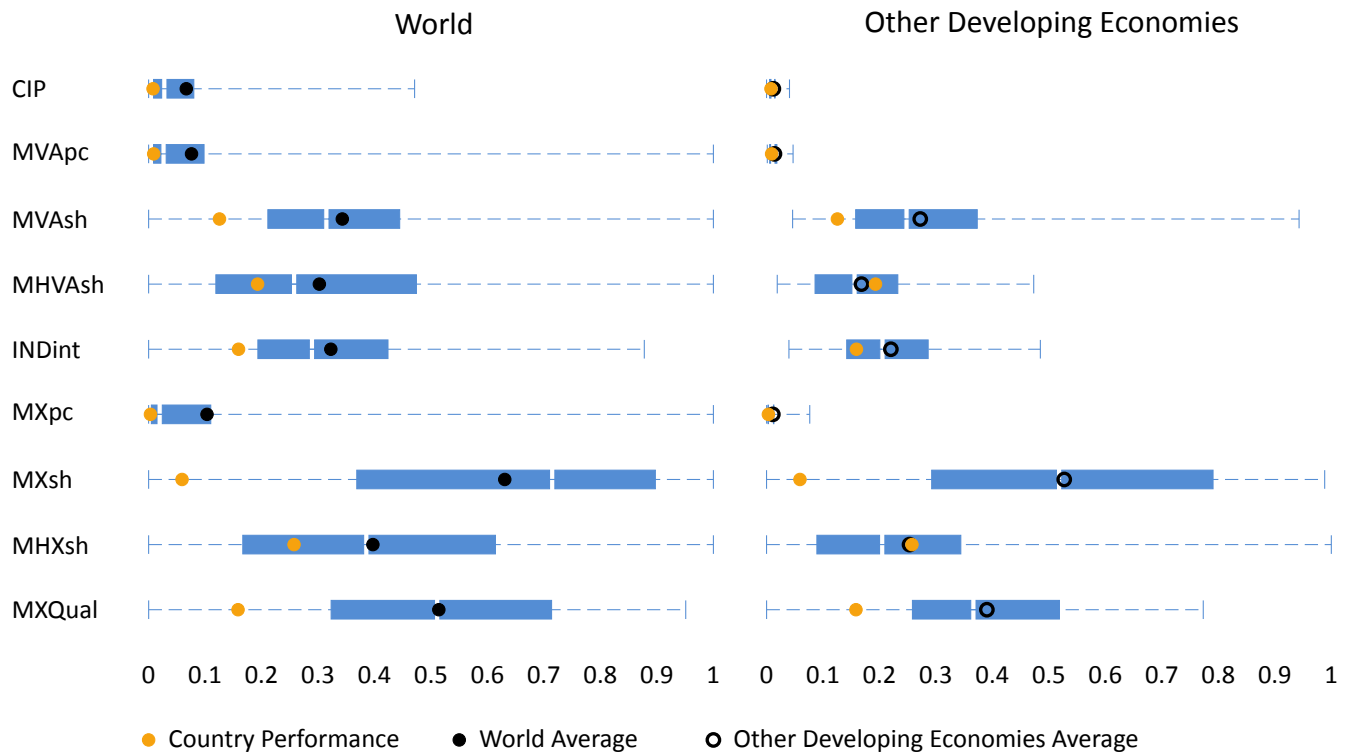


Performance indexes

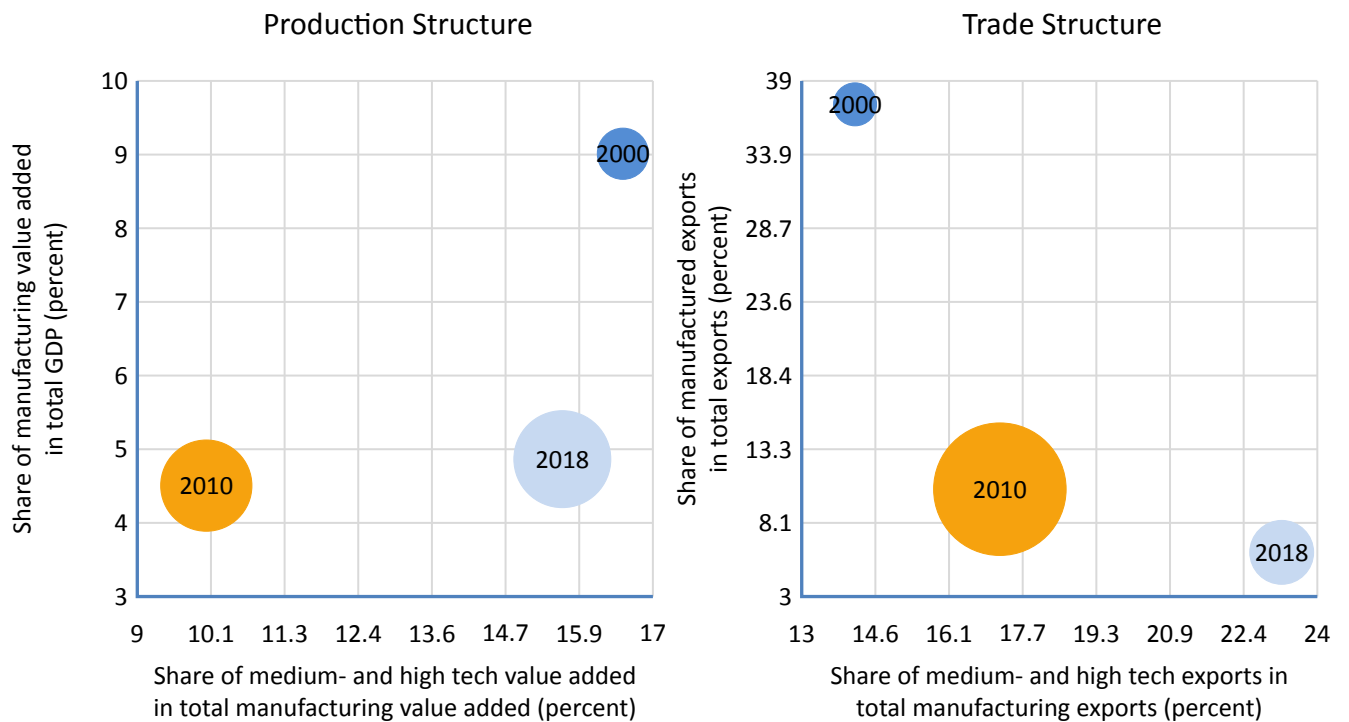
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	120	0.008	0.067	119 ↓	19902018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	114	0.009	0.076	112	
Share of Manufacturing Value Added in GDP Index	140	0.125	0.343	139	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	95	0.193	0.302	81	
Industrialization Intensity Index	127	0.159	0.323	118	
Share of World Manufacturing Value Added Index	100	0.001	0.023	100	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	120	0.003	0.103	120	
Share of Manufacturing Exports in Total Exports Index	147	0.059	0.631	146	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	98	0.257	0.397	88	
Index Industrial Export Quality Index	145	0.158	0.514	139	
Share in World Manufacturing Export Index	119	0.000	0.039	118	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bahamas

Latin America
Other Developing Economies
High Income

RANK 119
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

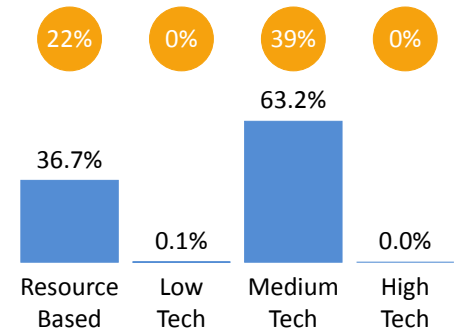
GDP: 11.6 billion | 30,185 per capita

Manufacturing value added: 349.8 million | 907 per capita

Manufacturing exports: 136.8 million | 366 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

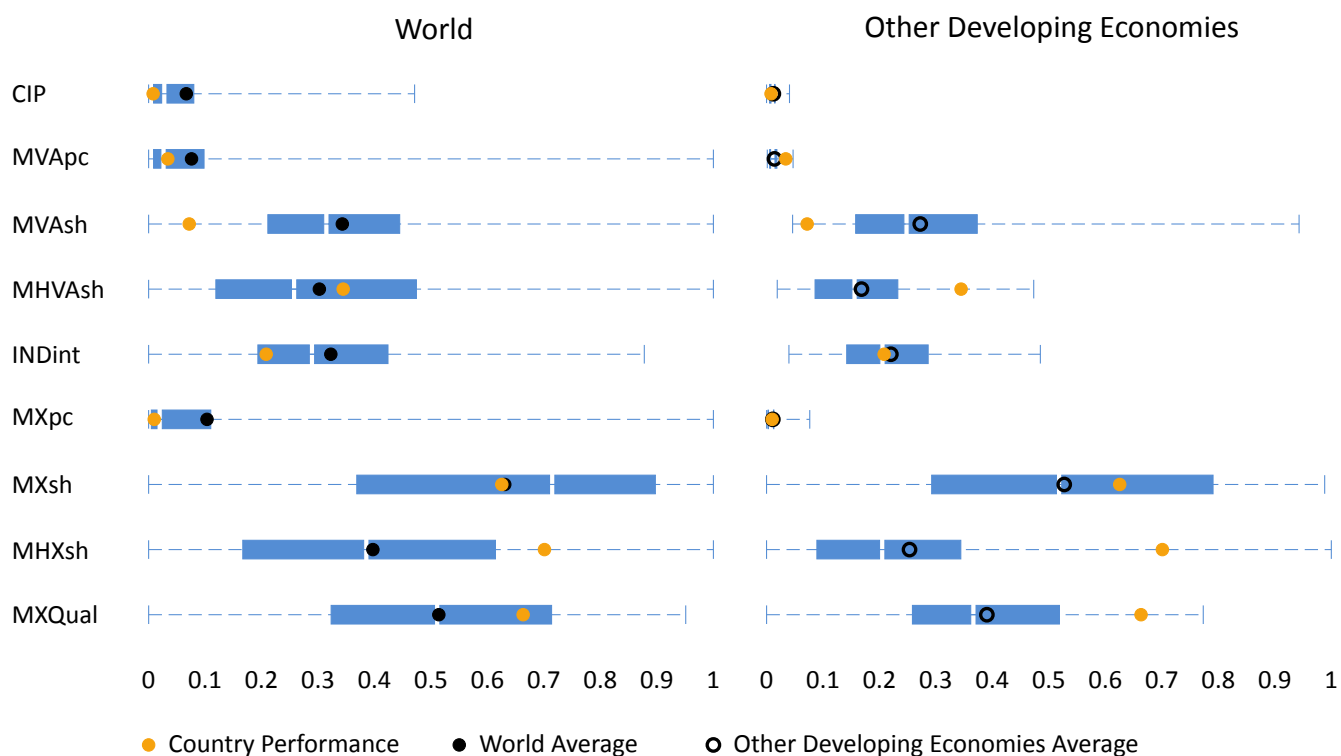


Performance indexes

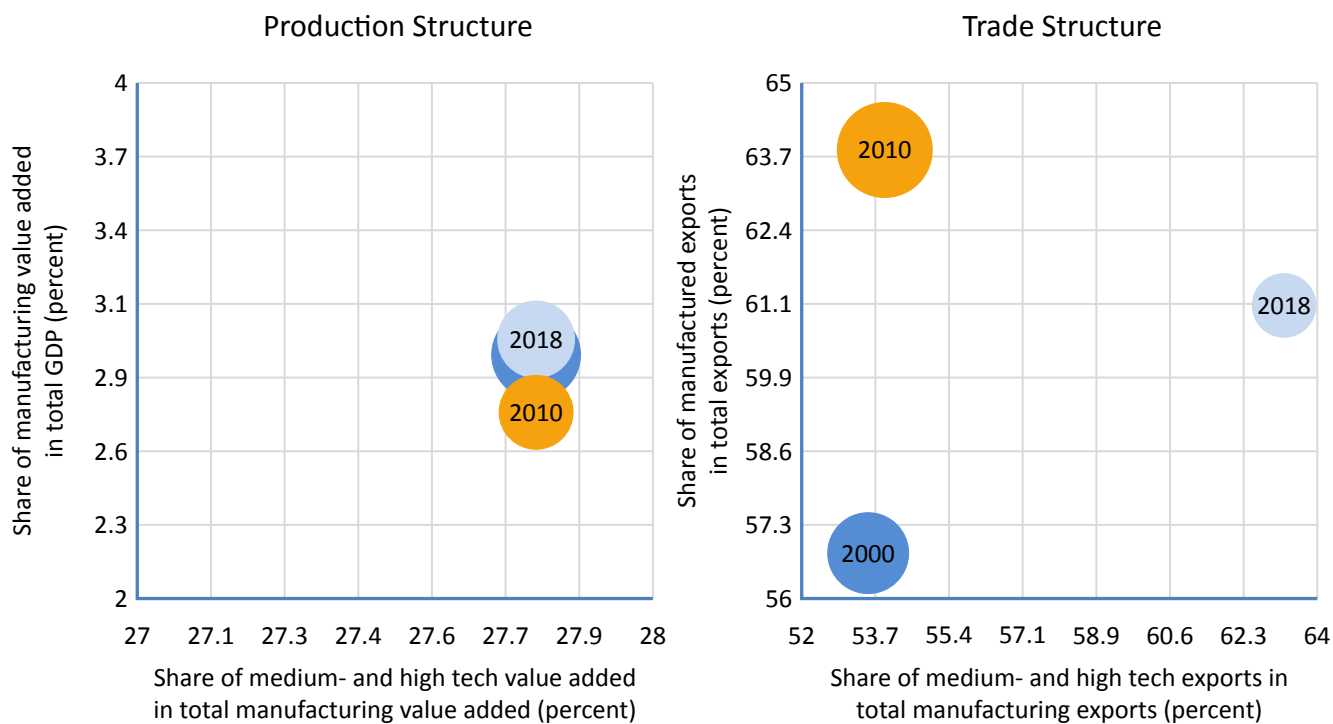
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	119	0.008	0.067	120 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	64	0.034	0.076	66	
Share of Manufacturing Value Added in GDP Index	145	0.072	0.343	145	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	55	0.344	0.302	60	
Industrialization Intensity Index	106	0.208	0.323	107	
Share of World Manufacturing Value Added Index	139	0.000	0.023	139	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	98	0.010	0.103	97	
Share of Manufacturing Exports in Total Exports Index	86	0.625	0.631	85	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	22	0.701	0.397	22	
Index Industrial Export Quality Index	48	0.663	0.514	48	
Share in World Manufacturing Export Index	138	0.000	0.039	138	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bahrain

Asia and Pacific
Industrialized Economies
High Income

RANK 51
(index of 152 countries)

Score **0.058**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

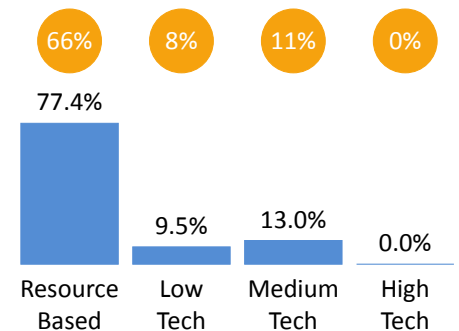
GDP: 34.0 billion | 21,666 per capita

Manufacturing value added: 5,842 million | 3,722 per capita

Manufacturing exports: 11.0 billion | 7,014 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

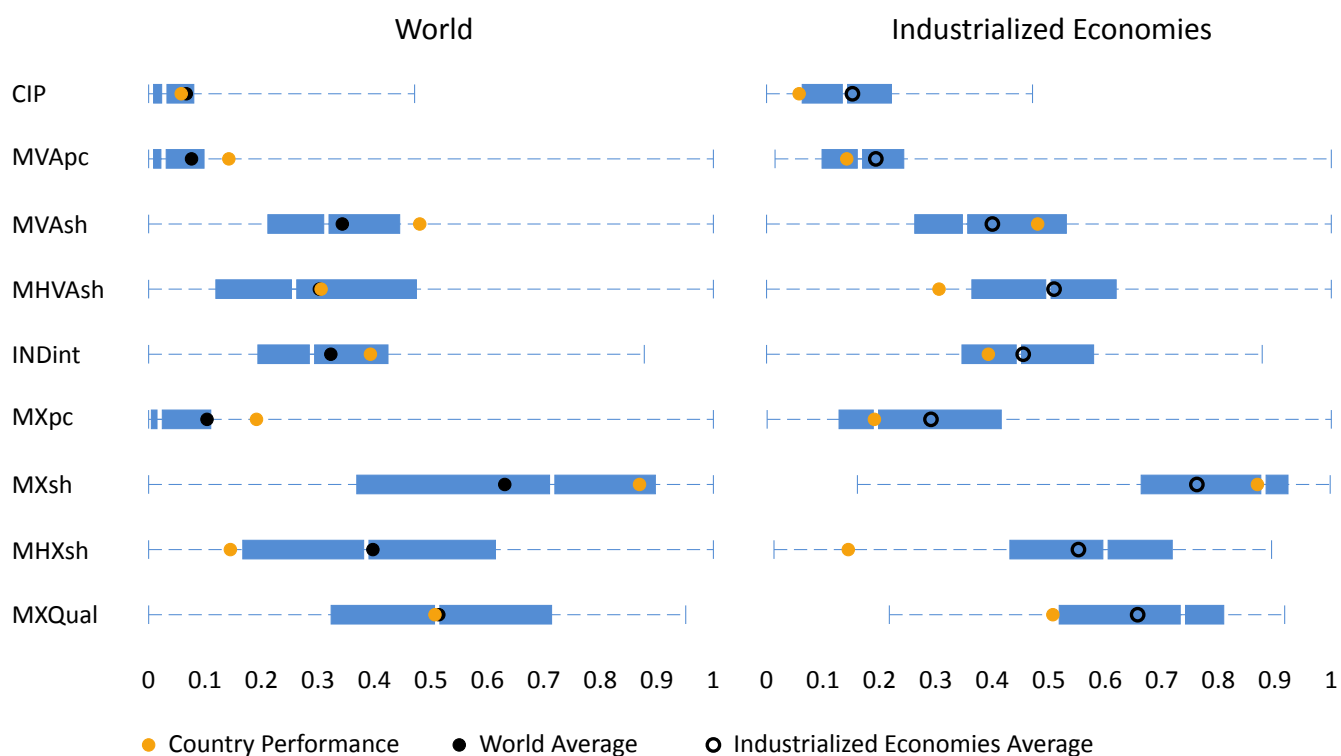


Performance indexes

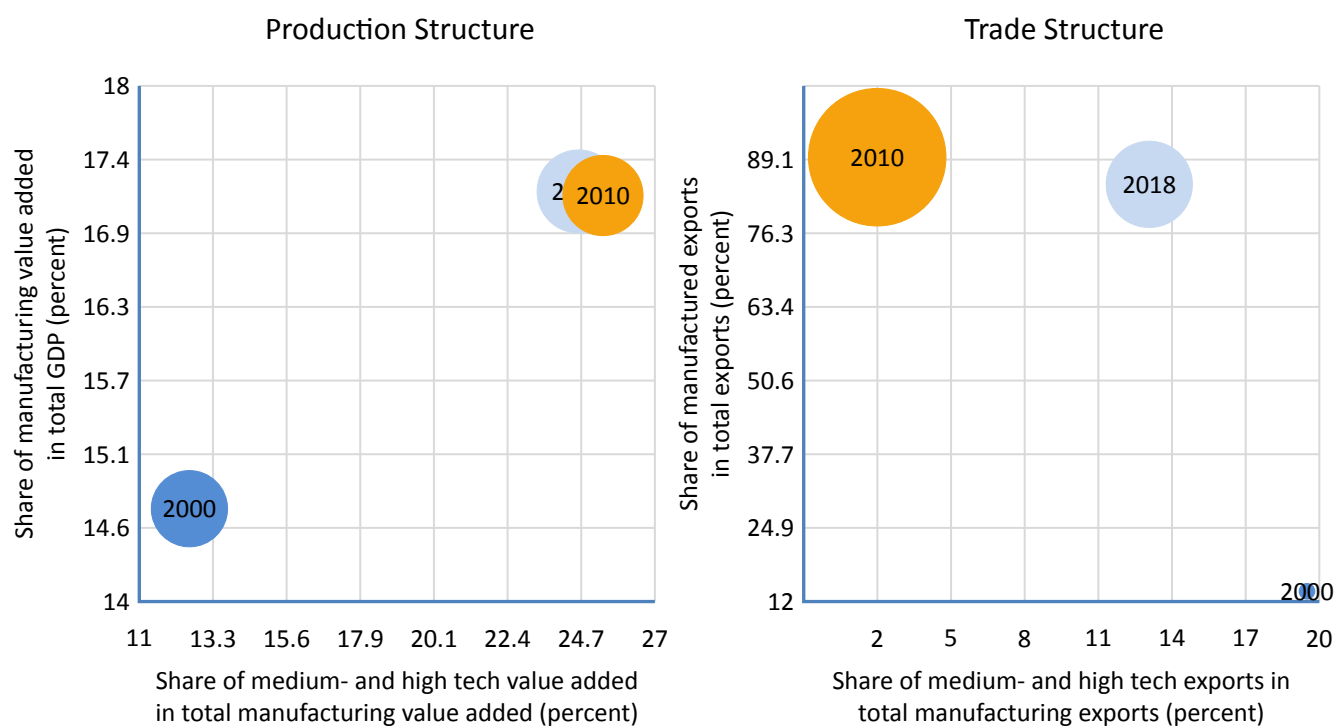
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	51	0.058	0.067	53 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	29	0.142	0.076	28	
Share of Manufacturing Value Added in GDP Index	31	0.480	0.343	32	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	66	0.305	0.302	68	
Industrialization Intensity Index	47	0.393	0.323	46	
Share of World Manufacturing Value Added Index	82	0.001	0.023	81	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	25	0.191	0.103	25	
Share of Manufacturing Exports in Total Exports Index	49	0.869	0.631	52	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	121	0.145	0.397	121	
Index Industrial Export Quality Index	78	0.507	0.514	75	
Share in World Manufacturing Export Index	72	0.005	0.039	72	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bangladesh

Asia and Pacific
Least Developed Countries
Lower Middle Income

RANK 70
(index of 152 countries)

Score **0.034**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

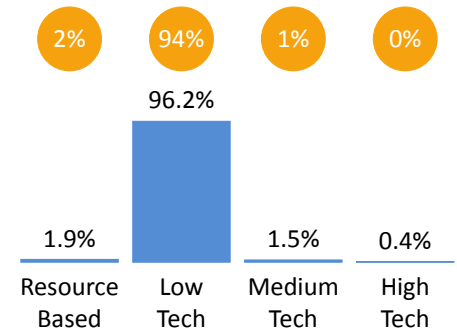
GDP: 241.2 billion | 1,495 per capita

Manufacturing value added: 45.3 billion | 281 per capita

Manufacturing exports: 31.0 billion | 198 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

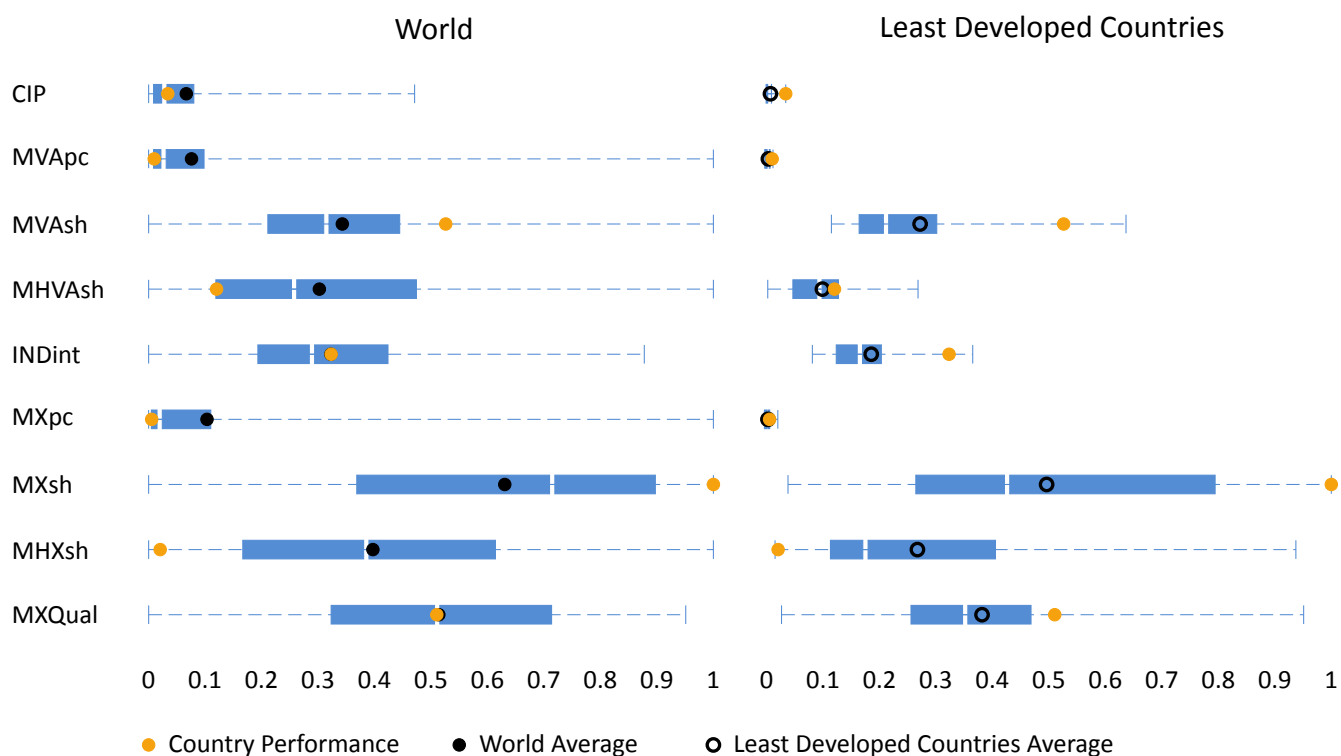


Performance indexes

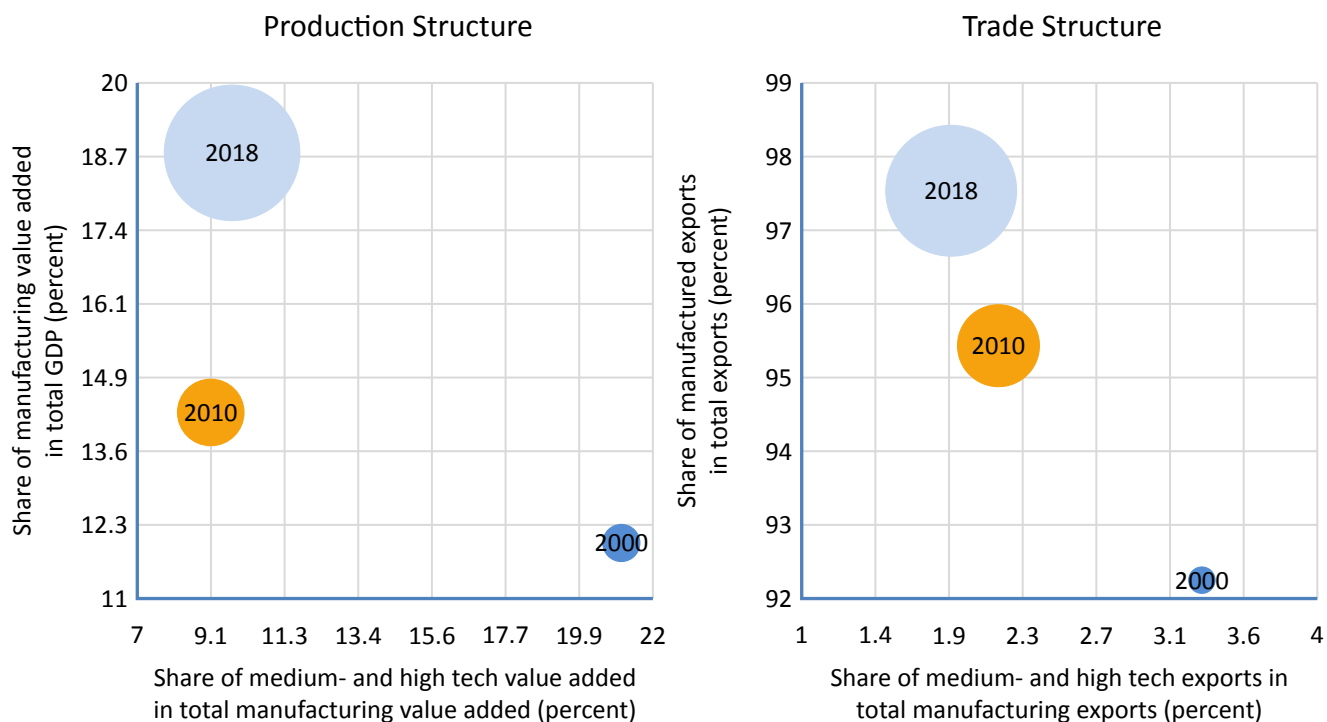
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	70	0.034	0.067	71 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	109	0.010	0.076	114	
Share of Manufacturing Value Added in GDP Index	26	0.526	0.343	27	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	112	0.120	0.302	111	
Industrialization Intensity Index	69	0.323	0.323	70	
Share of World Manufacturing Value Added Index	36	0.012	0.023	37	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	113	0.005	0.103	110	
Share of Manufacturing Exports in Total Exports Index	1	1.000	0.631	1	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	145	0.020	0.397	143	
Index Industrial Export Quality Index	77	0.510	0.514	73	
Share in World Manufacturing Export Index	44	0.015	0.039	44	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Barbados

Latin America
Other Developing Economies
High Income

RANK 113
(index of 152 countries)

Score **0.009**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

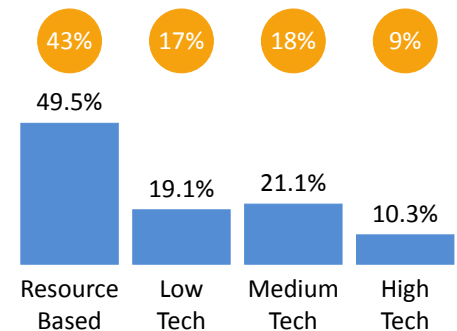
GDP: 4,550 million | 15,874 per capita

Manufacturing value added: 253.9 million | 886 per capita

Manufacturing exports: 220.7 million | 770 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

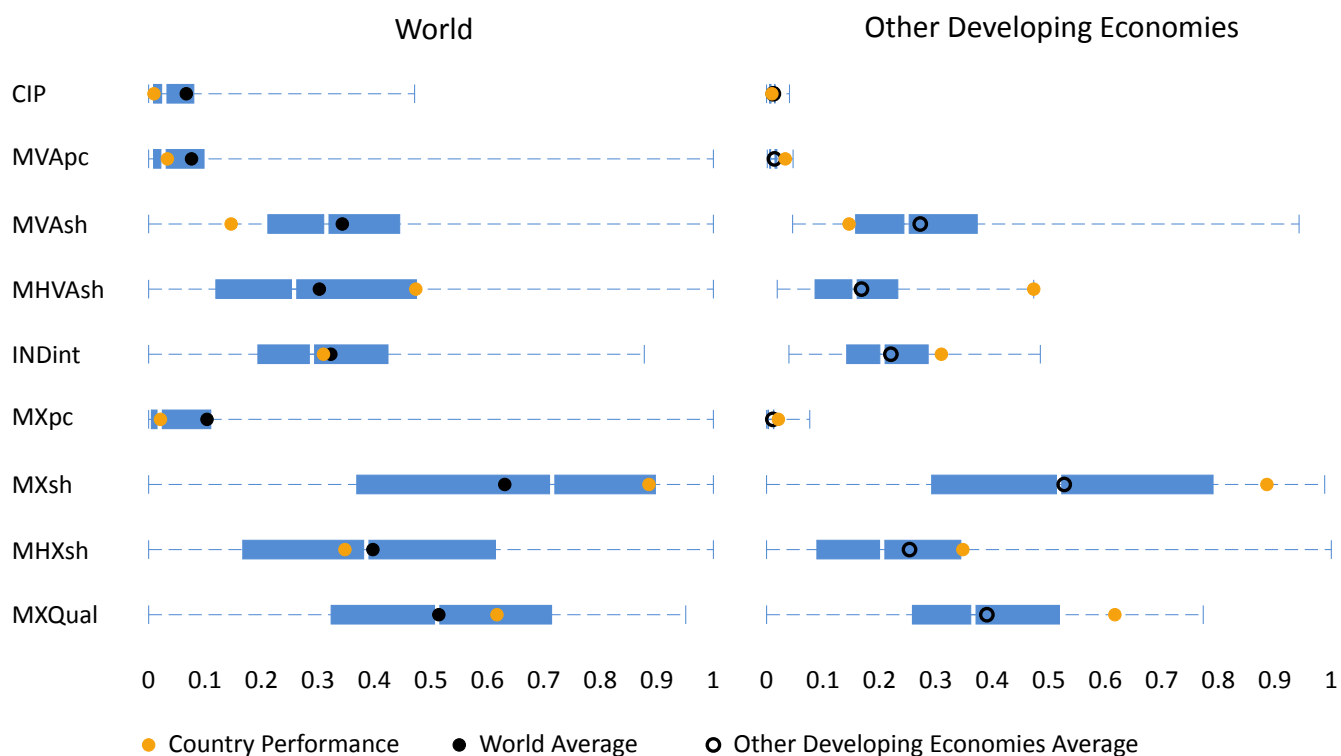


Performance indexes

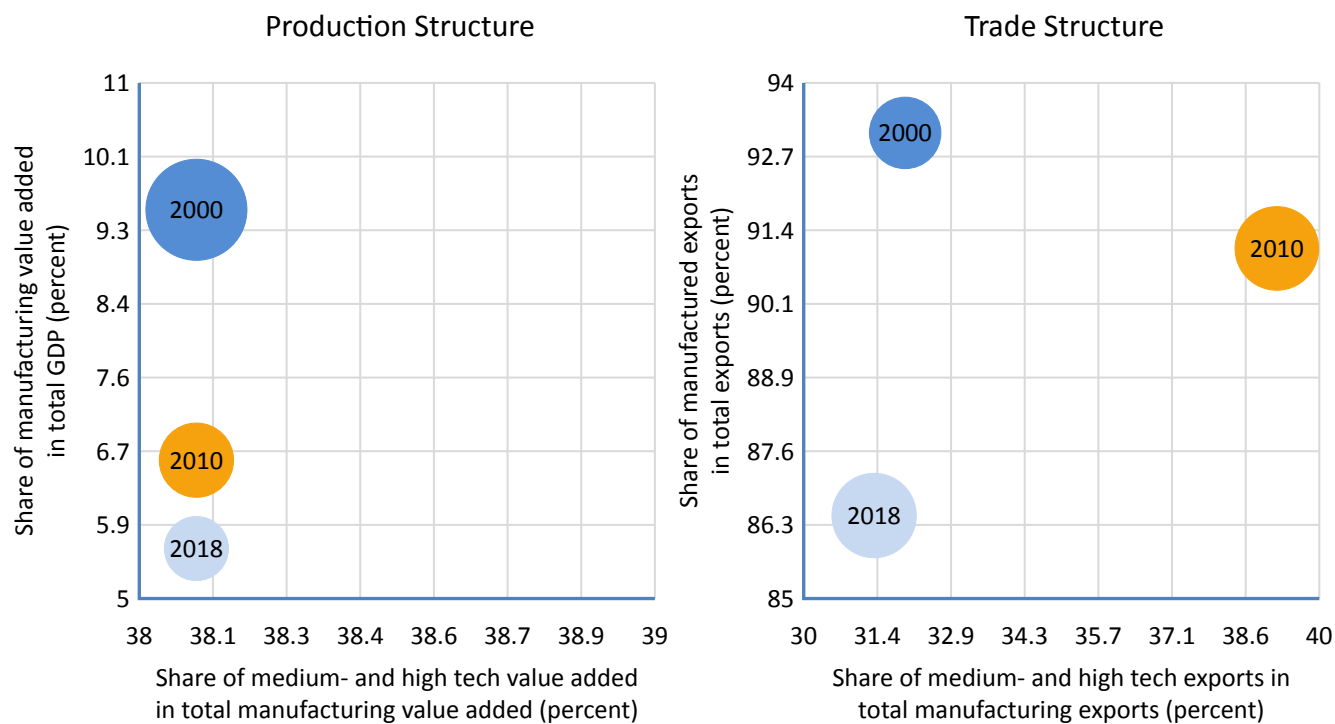
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	113	0.009	0.067	110 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	66	0.033	0.076	64	
Share of Manufacturing Value Added in GDP Index	132	0.146	0.343	133	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	39	0.473	0.302	39	
Industrialization Intensity Index	73	0.310	0.323	74	
Share of World Manufacturing Value Added Index	144	0.000	0.023	144	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	73	0.021	0.103	72	
Share of Manufacturing Exports in Total Exports Index	43	0.886	0.631	40	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	82	0.348	0.397	85	
Index Industrial Export Quality Index	57	0.617	0.514	54	
Share in World Manufacturing Export Index	133	0.000	0.039	133	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Belarus

Europe
Industrialized Economies
Upper Middle Income

RANK 47
(index of 152 countries)

Score **0.063**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

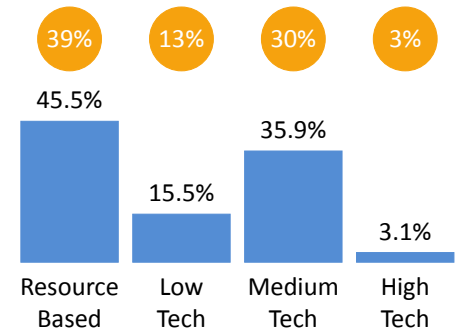
GDP: 58.1 billion | 6,150 per capita

Manufacturing value added: 13.1 billion | 1,384 per capita

Manufacturing exports: 28.6 billion | 3,028 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

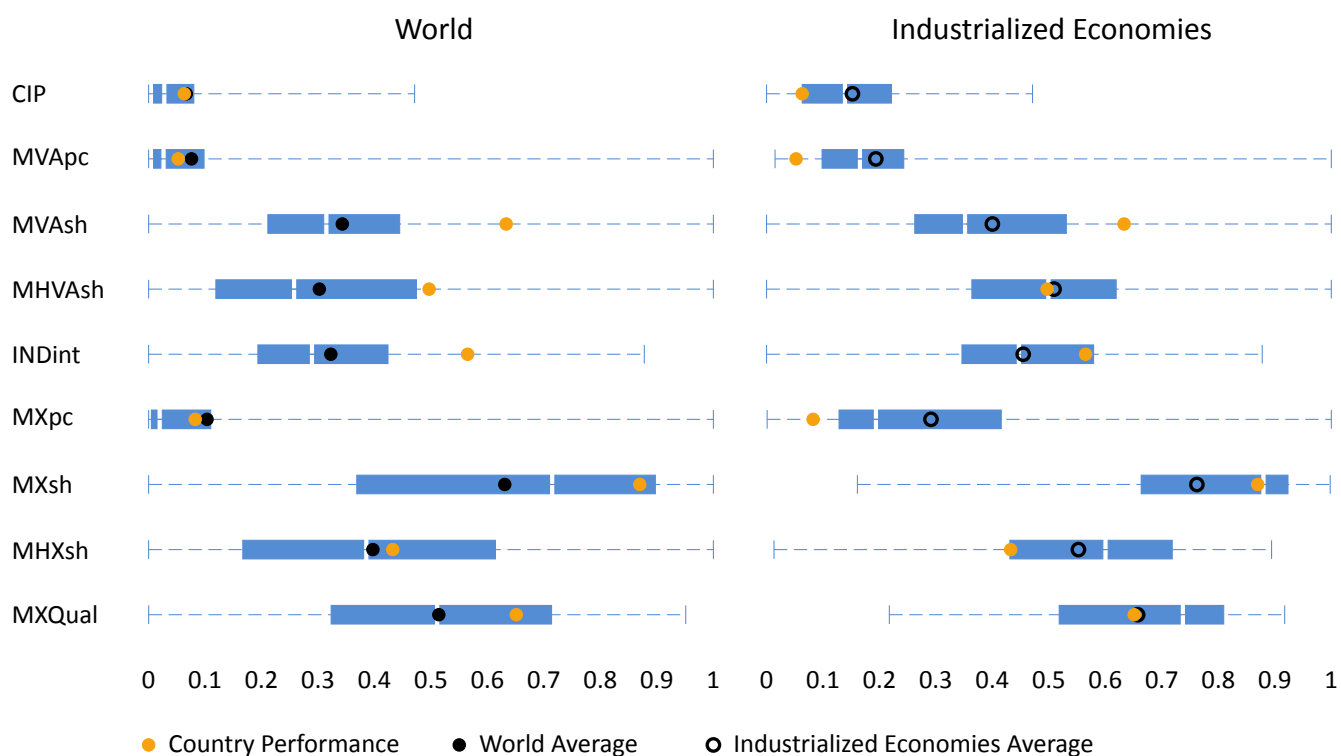


Performance indexes

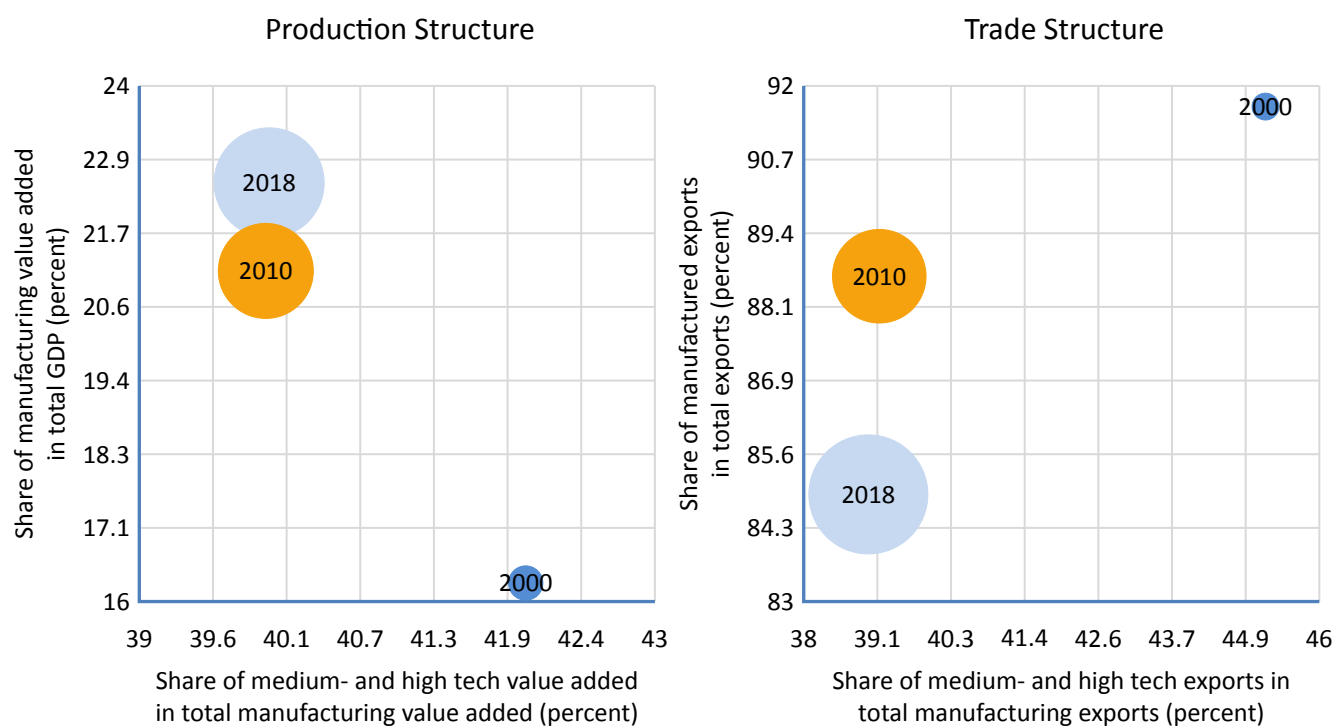
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	47	0.063	0.067	48 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	56	0.052	0.076	57	
Share of Manufacturing Value Added in GDP Index	10	0.633	0.343	10	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	33	0.497	0.302	35	
Industrialization Intensity Index	16	0.565	0.323	16	
Share of World Manufacturing Value Added Index	62	0.003	0.023	63	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	47	0.082	0.103	48	
Share of Manufacturing Exports in Total Exports Index	48	0.870	0.631	44	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	67	0.432	0.397	67	
Index Industrial Export Quality Index	50	0.651	0.514	49	
Share in World Manufacturing Export Index	50	0.012	0.039	52	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Belgium

Europe
Industrialized Economies
High Income

RANK 12
(index of 152 countries)

Score **0.242**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

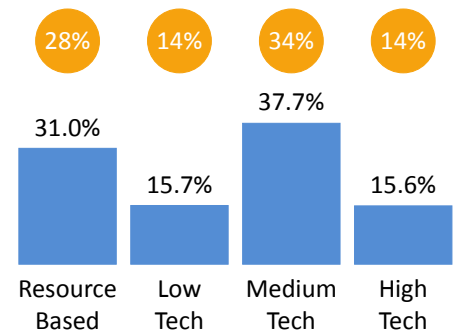
GDP: 477.2 billion | 41,562 per capita

Manufacturing value added: 60.5 billion | 5,269 per capita

Manufacturing exports: 421.7 billion | 36,726 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

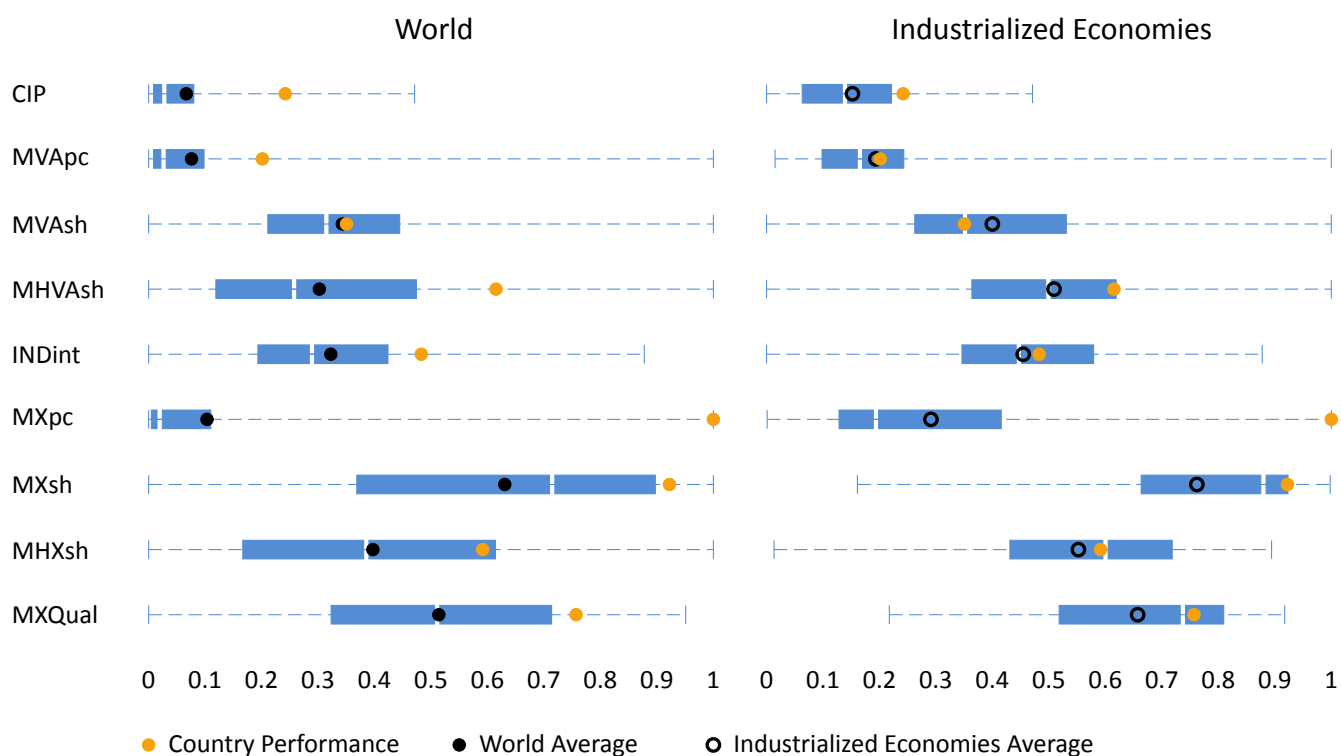


Performance indexes

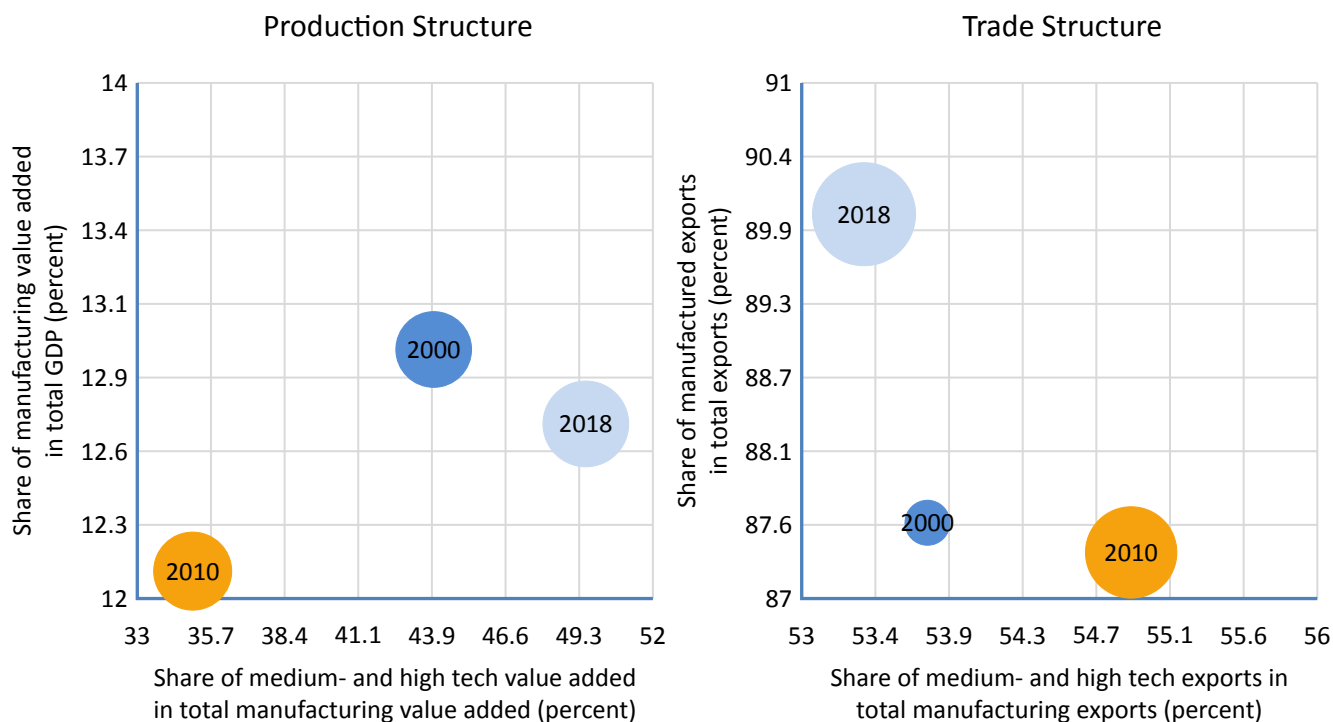
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	12	0.242	0.067	12 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	15	0.201	0.076	15	
Share of Manufacturing Value Added in GDP Index	63	0.350	0.343	63	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	14	0.615	0.302	14	
Industrialization Intensity Index	26	0.483	0.323	27	
Share of World Manufacturing Value Added Index	31	0.016	0.023	31	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	1	1.000	0.103	1	
Share of Manufacturing Exports in Total Exports Index	25	0.922	0.631	34	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	44	0.591	0.397	40	
Index Industrial Export Quality Index	28	0.757	0.514	29	
Share in World Manufacturing Export Index	9	0.175	0.039	9	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Belize

Latin America
Other Developing Economies
Upper Middle Income

RANK 130
(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

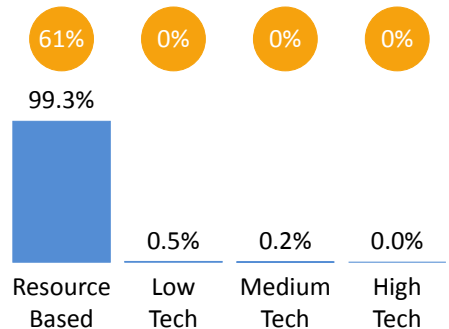
GDP: 1,832 million | 4,784 per capita

Manufacturing value added: 109.7 million | 286 per capita

Manufacturing exports: 121.1 million | 316 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

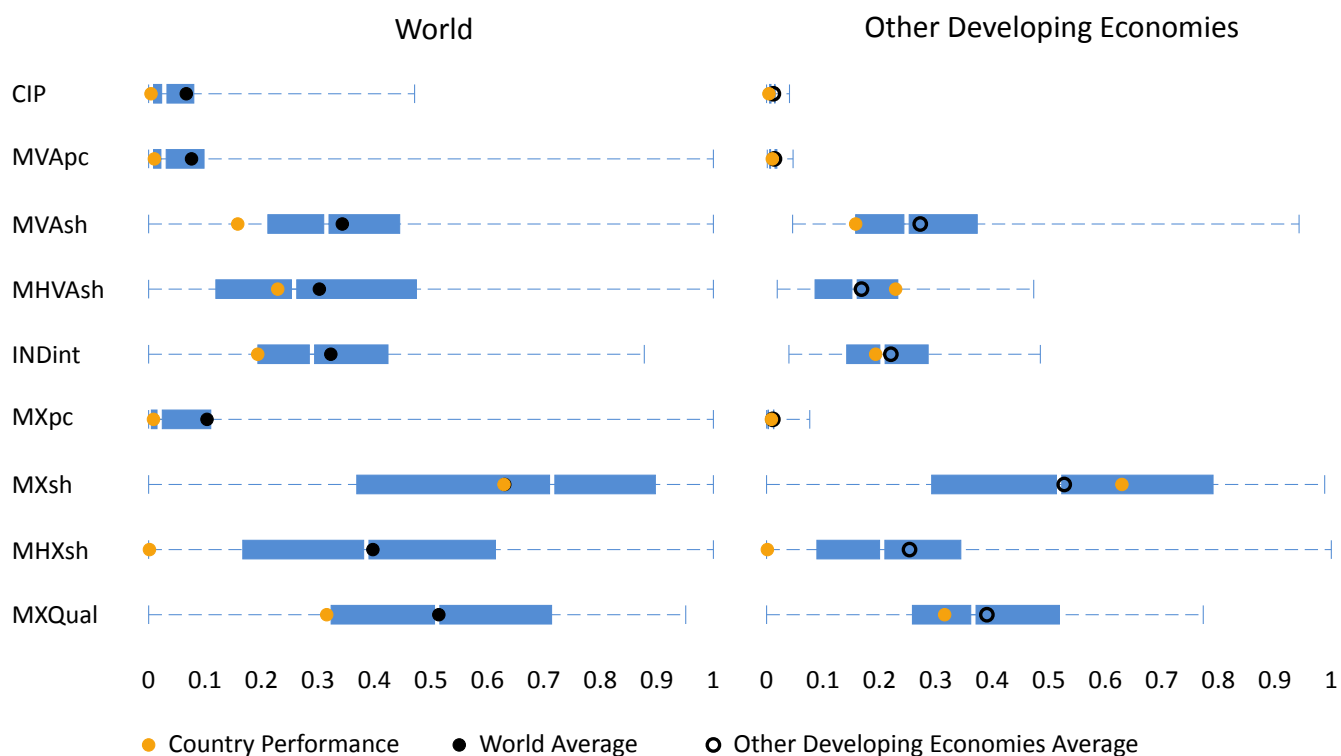


Performance indexes

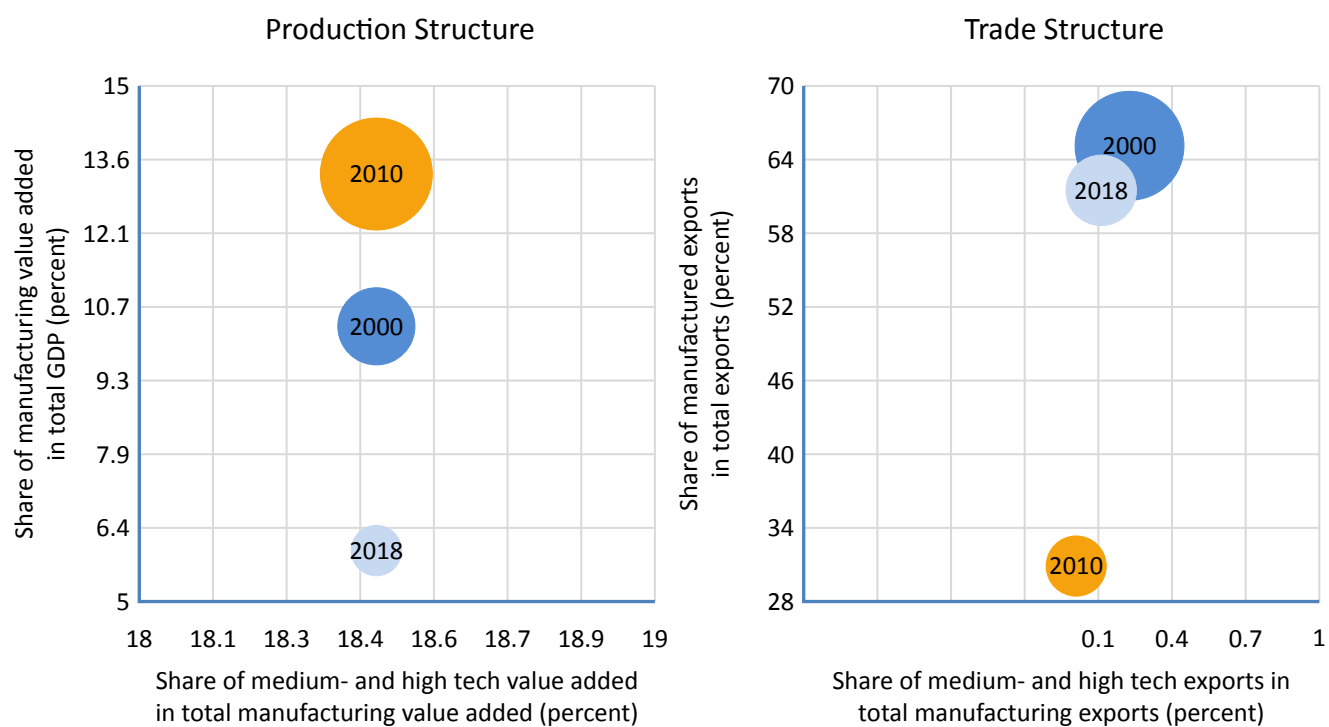
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	130	0.004	0.067	128 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	108	0.010	0.076	105	
Share of Manufacturing Value Added in GDP Index	129	0.158	0.343	125	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	86	0.229	0.302	89	
Industrialization Intensity Index	115	0.193	0.323	110	
Share of World Manufacturing Value Added Index	147	0.000	0.023	147	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	100	0.009	0.103	98	
Share of Manufacturing Exports in Total Exports Index	85	0.629	0.631	87	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	150	0.001	0.397	148	
Index Industrial Export Quality Index	118	0.315	0.514	123	
Share in World Manufacturing Export Index	142	0.000	0.039	140	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bermuda

North America
Industrialized Economies
High Income

RANK 139
(index of 152 countries)

Score **0.003**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

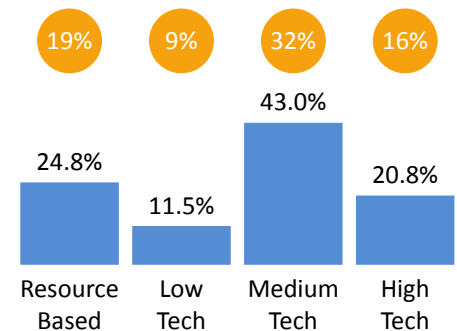
GDP: 6,032 million | 96,112 per capita

Manufacturing value added: 48.5 million | 772 per capita

Manufacturing exports: 17.2 million | 274 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

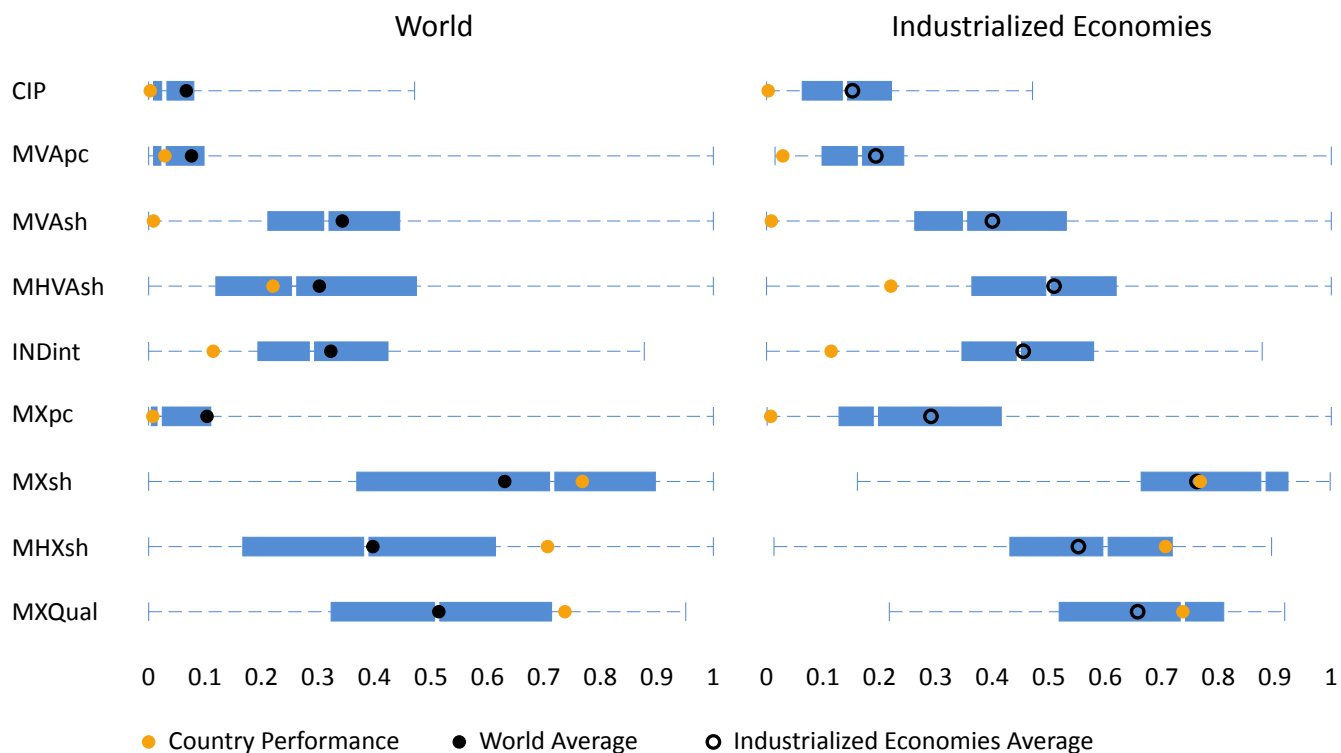


Performance indexes

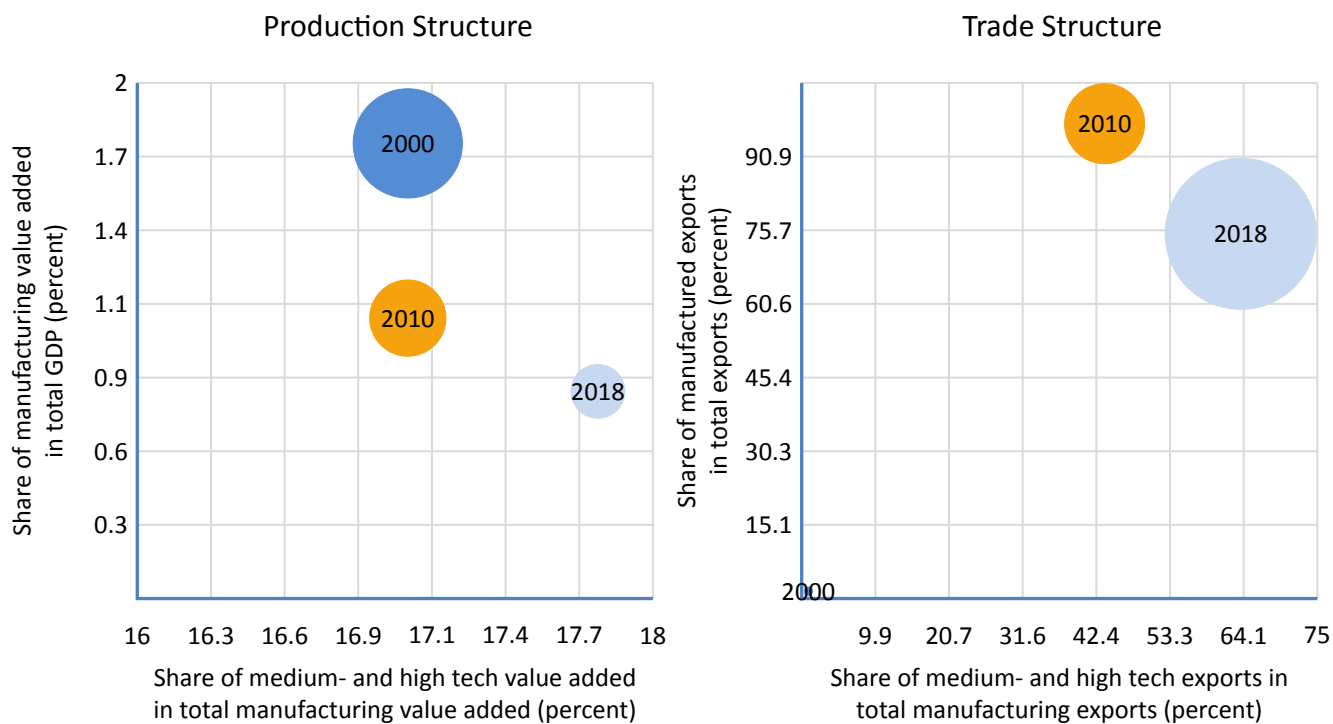
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	139	0.003	0.067	140 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	73	0.029	0.076	72	
Share of Manufacturing Value Added in GDP Index	151	0.009	0.343	151	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	89	0.220	0.302	57	
Industrialization Intensity Index	140	0.114	0.323	121	
Share of World Manufacturing Value Added Index	150	0.000	0.023	150	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	105	0.007	0.103	114	
Share of Manufacturing Exports in Total Exports Index	71	0.768	0.631	27	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	19	0.706	0.397	60	
Index Industrial Export Quality Index	34	0.737	0.514	44	
Share in World Manufacturing Export Index	149	0.000	0.039	149	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bolivia (Plurinational State of)

Latin America
Other Developing Economies
Lower Middle Income

RANK 102
(index of 152 countries)

Score **0.013**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

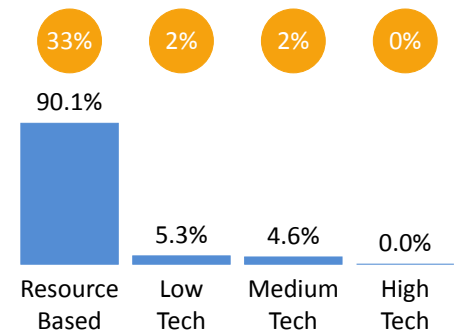
GDP: 37.4 billion | 3,291 per capita

Manufacturing value added: 3,837 million | 338 per capita

Manufacturing exports: 3,262 million | 287 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

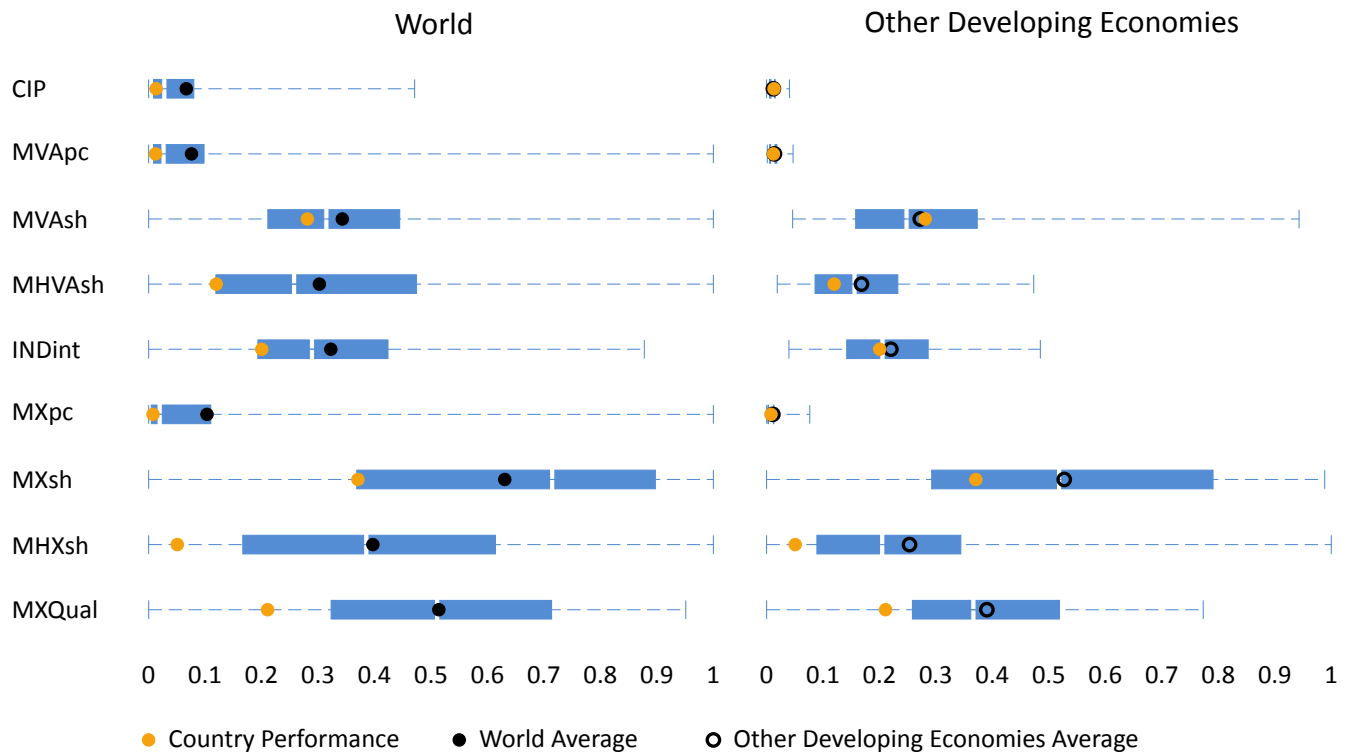


Performance indexes

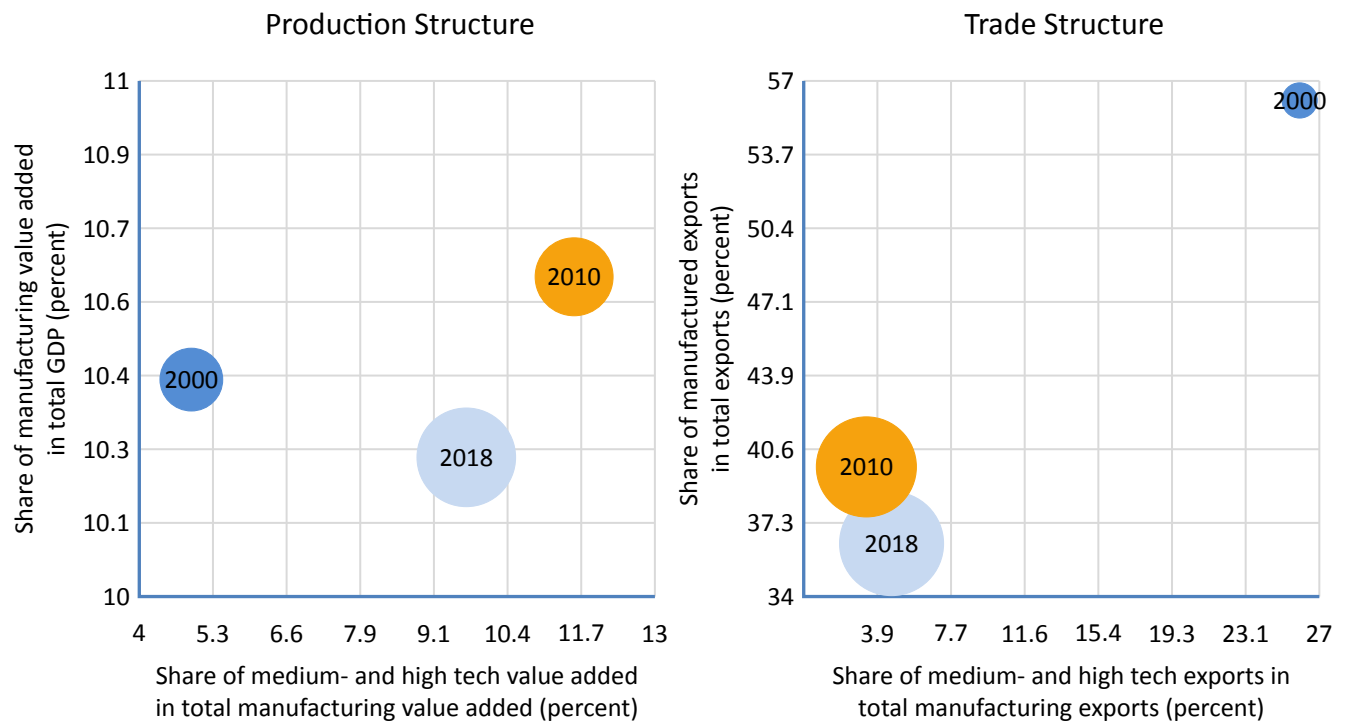
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	102	0.013	0.067	101 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	103	0.012	0.076	103	
Share of Manufacturing Value Added in GDP Index	95	0.281	0.343	94	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	114	0.120	0.302	113	
Industrialization Intensity Index	108	0.200	0.323	108	
Share of World Manufacturing Value Added Index	88	0.001	0.023	90	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	102	0.008	0.103	102	
Share of Manufacturing Exports in Total Exports Index	114	0.371	0.631	109	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	138	0.051	0.397	142	
Index Industrial Export Quality Index	141	0.211	0.514	136	
Share in World Manufacturing Export Index	90	0.001	0.039	90	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Bosnia and Herzegovina

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 80
(index of 152 countries)

Score **0.026**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

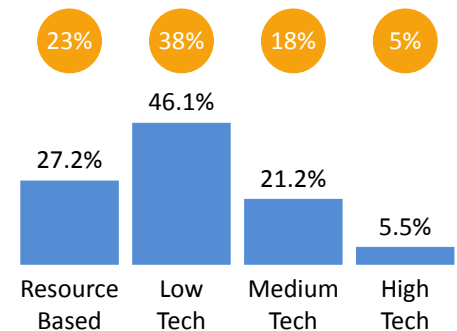
GDP: 17.9 billion | 5,370 per capita

Manufacturing value added: 2,218 million | 667 per capita

Manufacturing exports: 5,971 million | 1,796 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

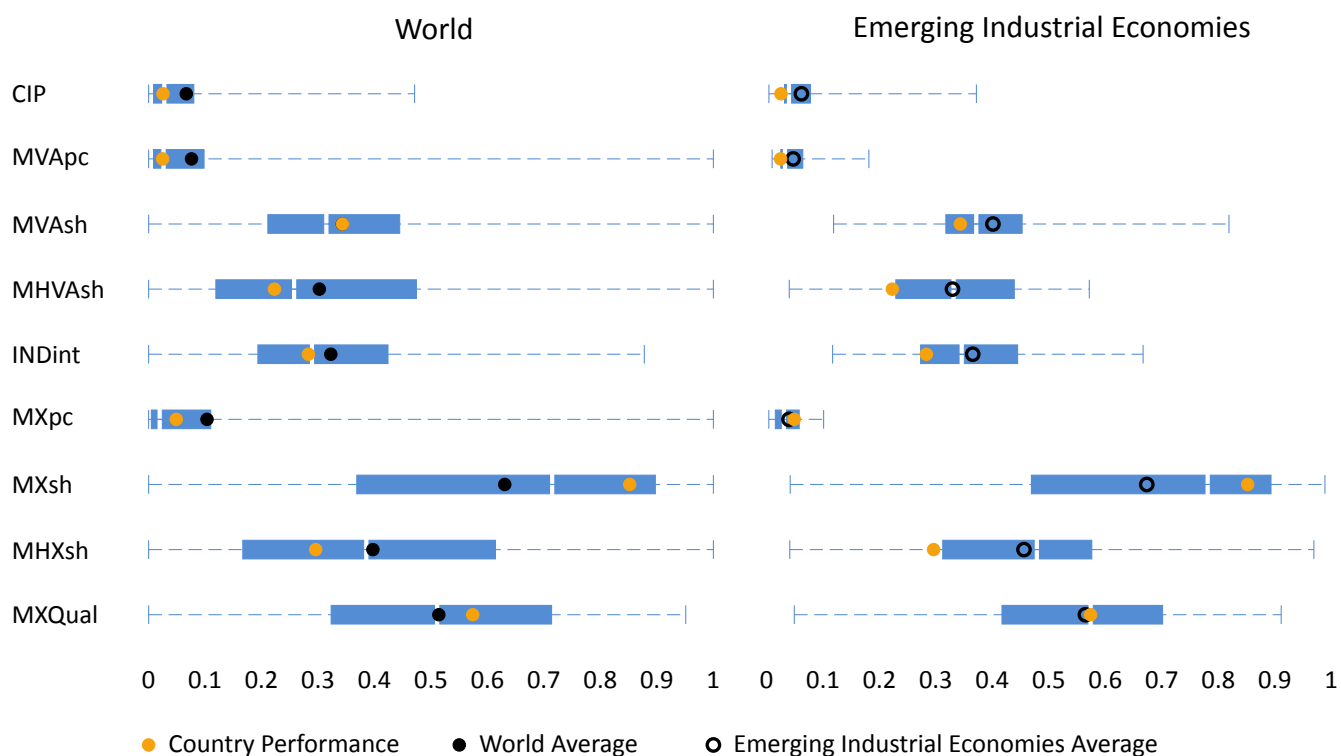


Performance indexes

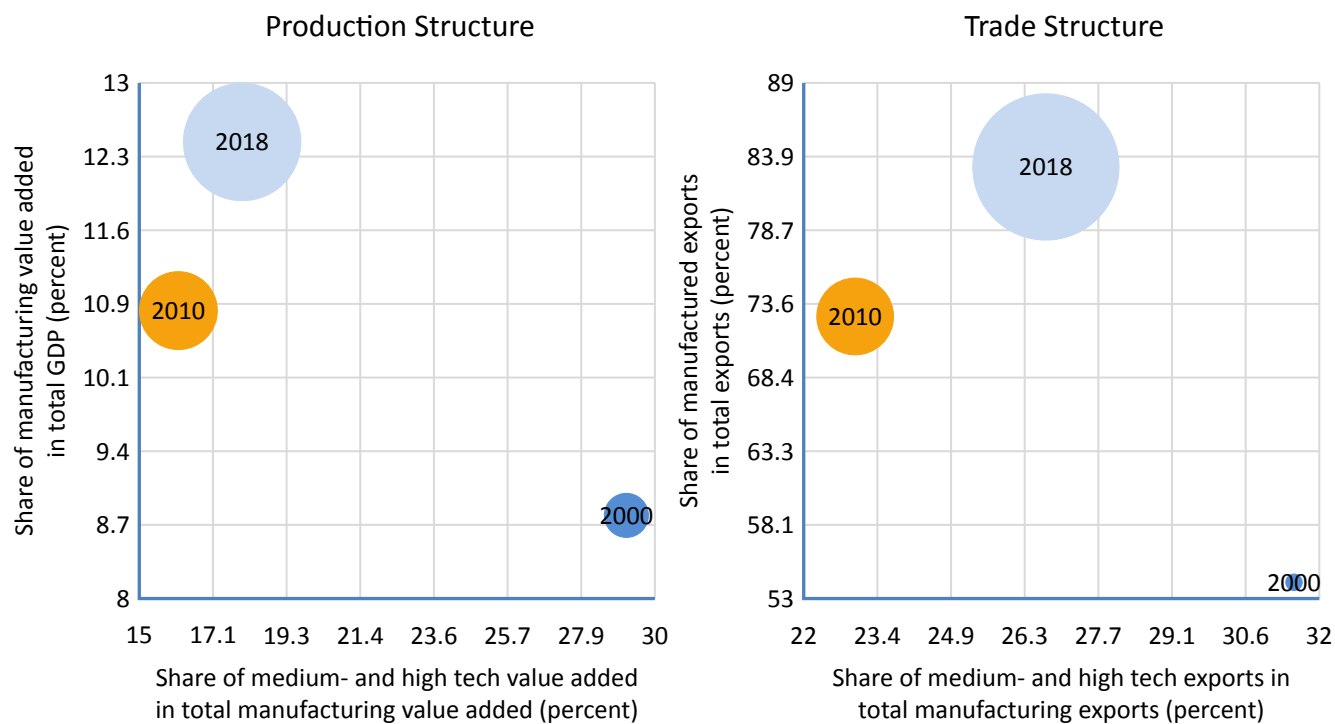
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	80	0.026	0.067	81 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	80	0.025	0.076	82	
Share of Manufacturing Value Added in GDP Index	67	0.343	0.343	70	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	87	0.223	0.302	90	
Industrialization Intensity Index	80	0.283	0.323	81	
Share of World Manufacturing Value Added Index	104	0.001	0.023	104	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	57	0.049	0.103	57	
Share of Manufacturing Exports in Total Exports Index	57	0.852	0.631	49	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	89	0.296	0.397	93	
Index Industrial Export Quality Index	64	0.574	0.514	62	
Share in World Manufacturing Export Index	82	0.002	0.039	83	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Botswana

Africa
Other Developing Economies
Upper Middle Income

RANK 89
(index of 152 countries)

Score **0.019**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

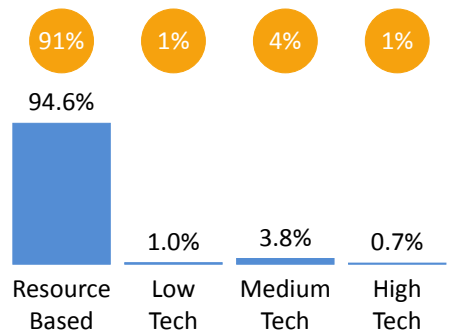
GDP: 16.1 billion | 7,135 per capita

Manufacturing value added: 894.3 million | 397 per capita

Manufacturing exports: 6,334 million | 2,810 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

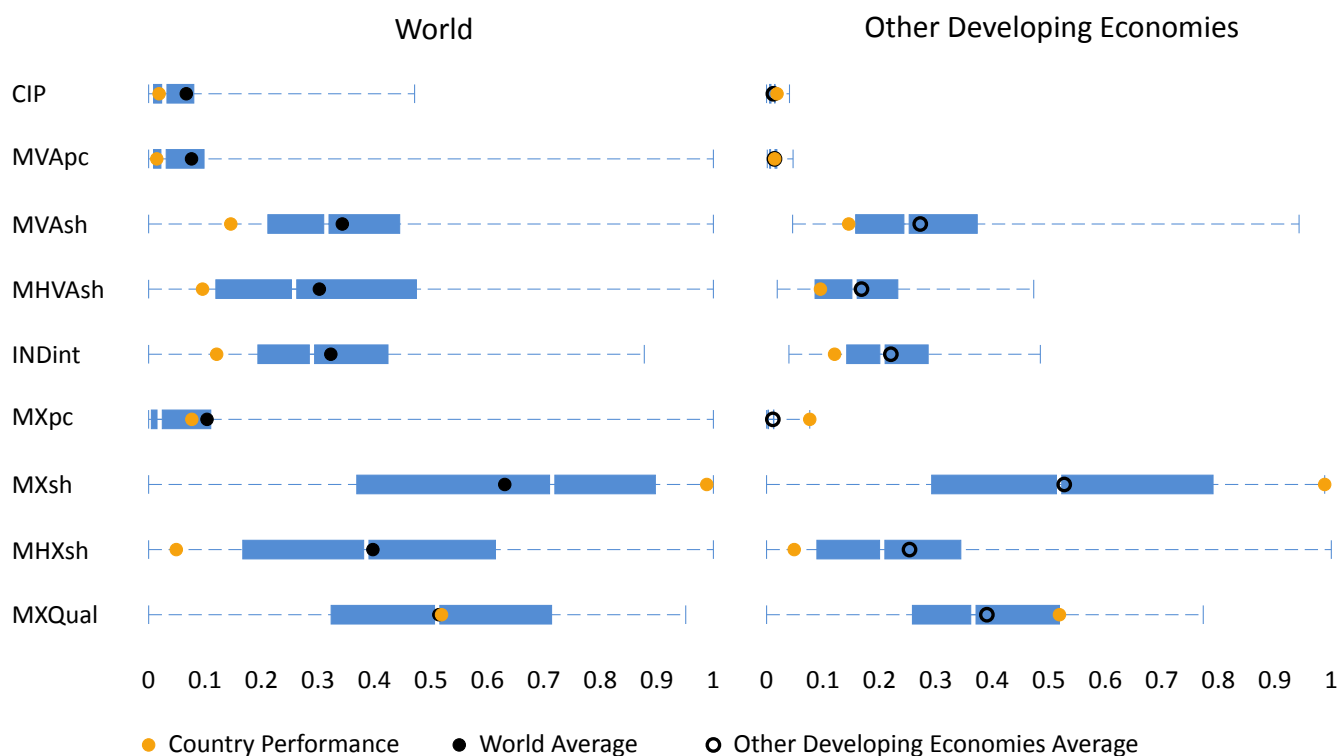


Performance indexes

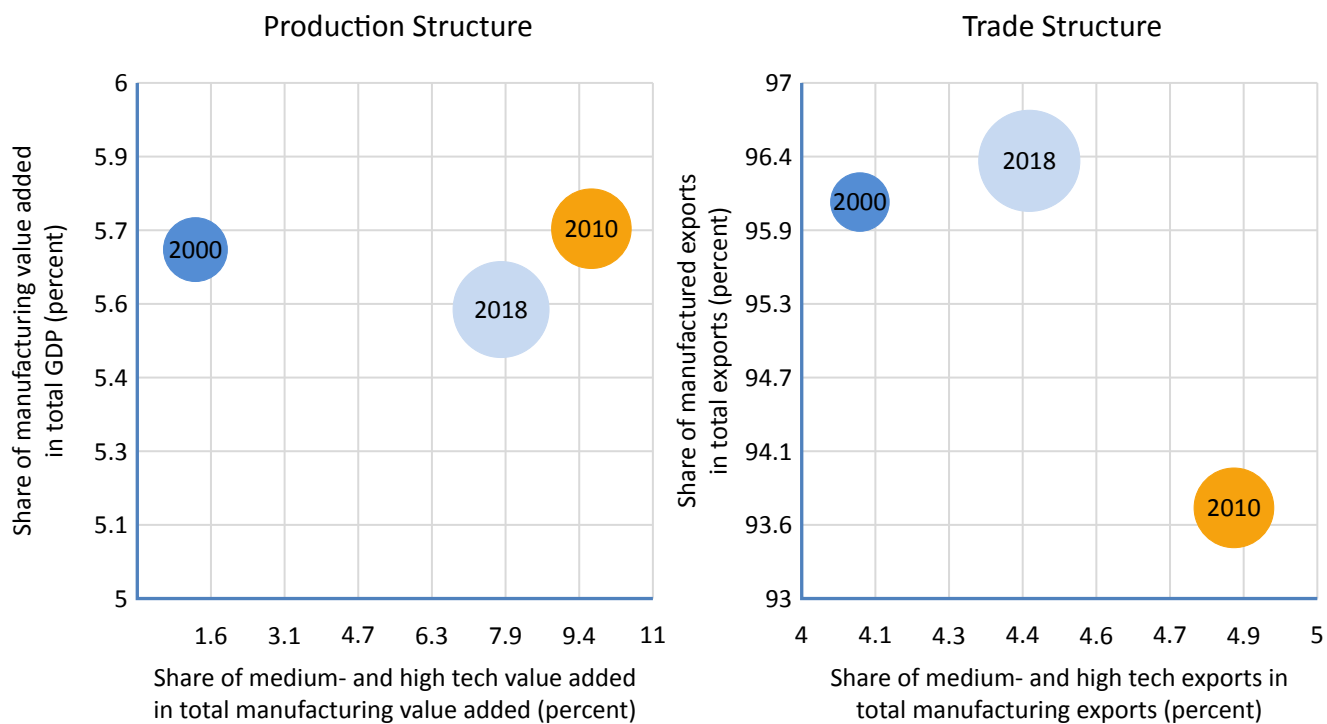
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	89	0.019	0.067	90 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	99	0.014	0.076	99	
Share of Manufacturing Value Added in GDP Index	133	0.145	0.343	134	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	119	0.095	0.302	129	
Industrialization Intensity Index	137	0.120	0.323	142	
Share of World Manufacturing Value Added Index	127	0.000	0.023	128	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	50	0.076	0.103	49	
Share of Manufacturing Exports in Total Exports Index	5	0.988	0.631	7	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	139	0.049	0.397	137	
Index Industrial Export Quality Index	74	0.519	0.514	72	
Share in World Manufacturing Export Index	81	0.003	0.039	80	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Brazil

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 40
(index of 152 countries)

Score **0.079**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

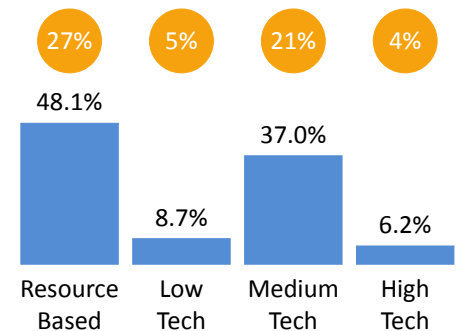
GDP: 1,777 billion | 8,481 per capita

Manufacturing value added: 167.3 billion | 798 per capita

Manufacturing exports: 136.5 billion | 652 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

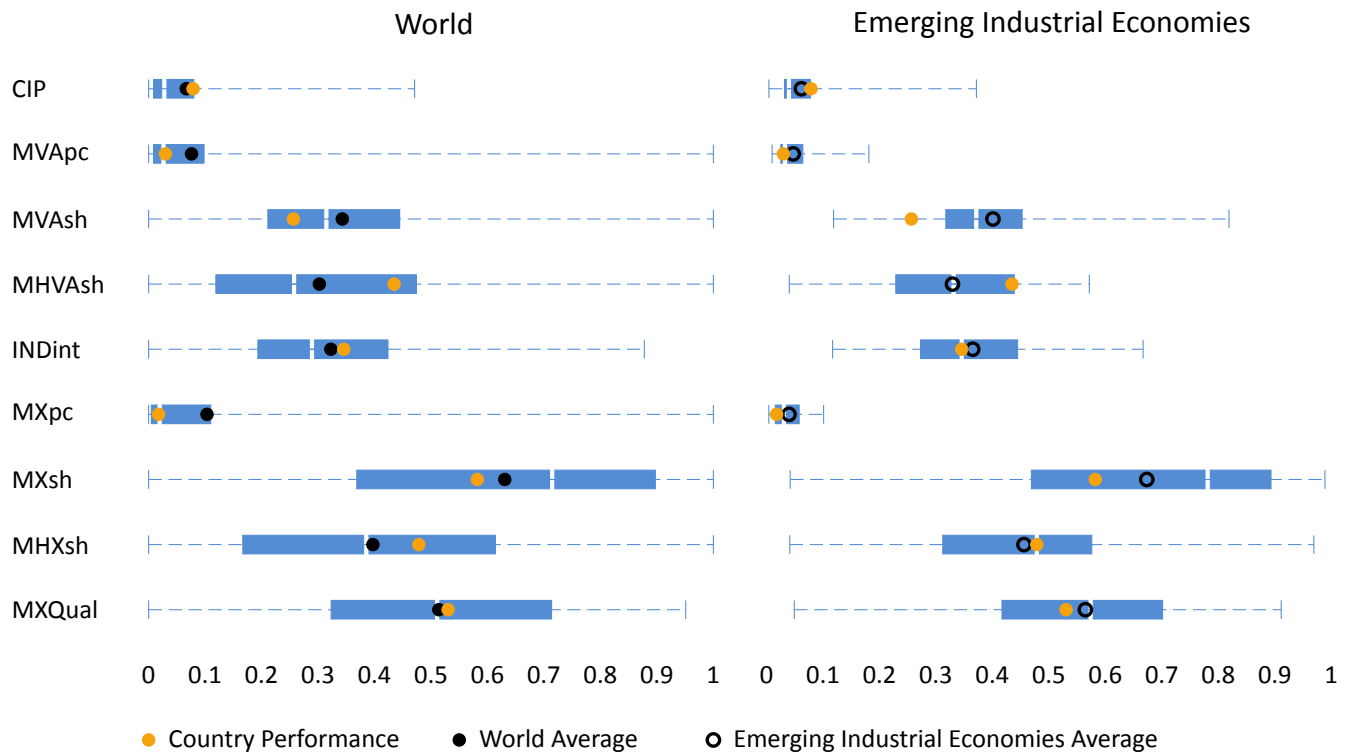


Performance indexes

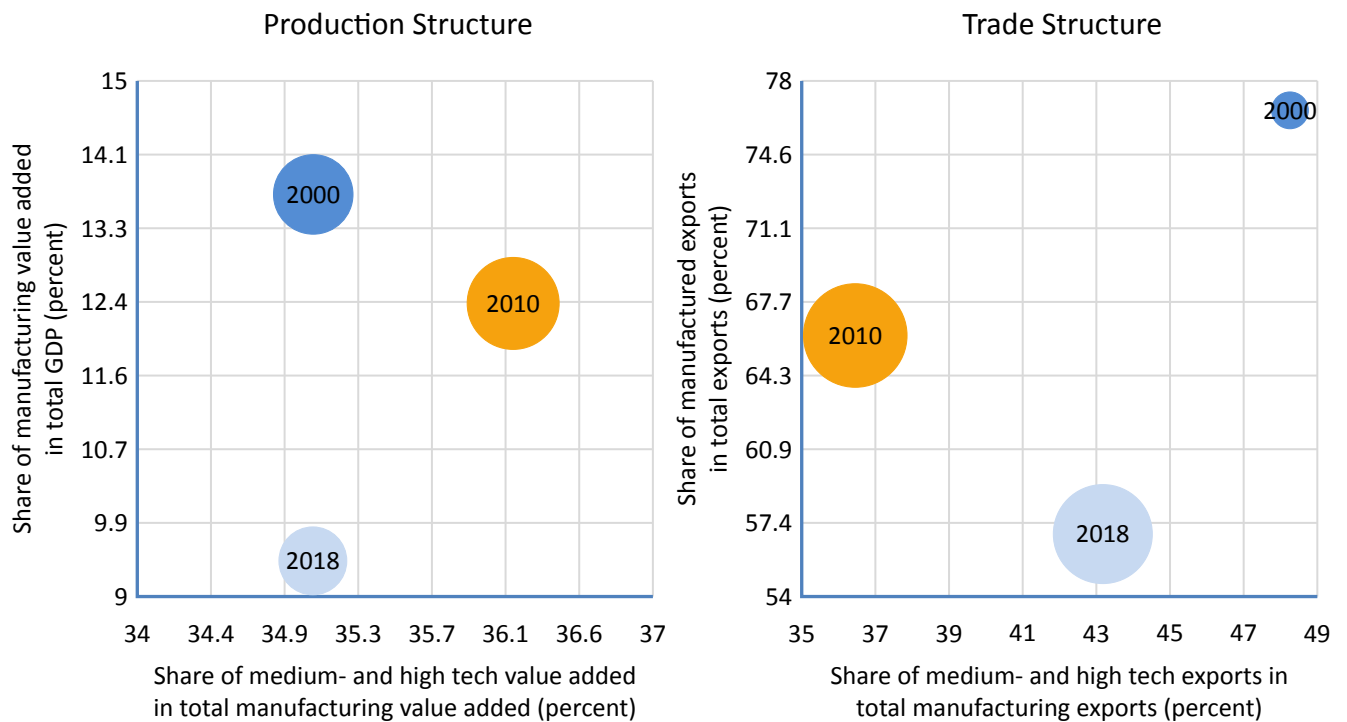
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	40	0.079	0.067	36 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	71	0.030	0.076	71	
Share of Manufacturing Value Added in GDP Index	100	0.256	0.343	99	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	45	0.435	0.302	46	
Industrialization Intensity Index	60	0.346	0.323	63	
Share of World Manufacturing Value Added Index	15	0.043	0.023	14	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	80	0.018	0.103	80	
Share of Manufacturing Exports in Total Exports Index	91	0.582	0.631	86	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	60	0.479	0.397	63	
Index Industrial Export Quality Index	70	0.530	0.514	66	
Share in World Manufacturing Export Index	28	0.057	0.039	27	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Brunei Darussalam

Asia and Pacific
Emerging Industrial Economies
High Income

RANK 93
(index of 152 countries)

Score **0.017**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

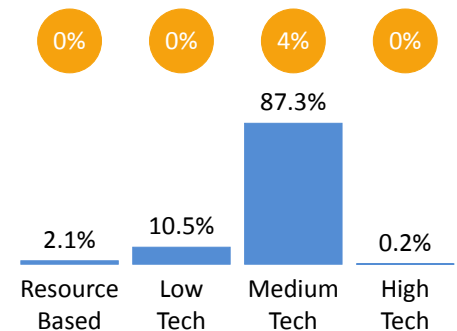
GDP: 12.8 billion | 29,803 per capita

Manufacturing value added: 2,035 million | 4,744 per capita

Manufacturing exports: 275.5 million | 642 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

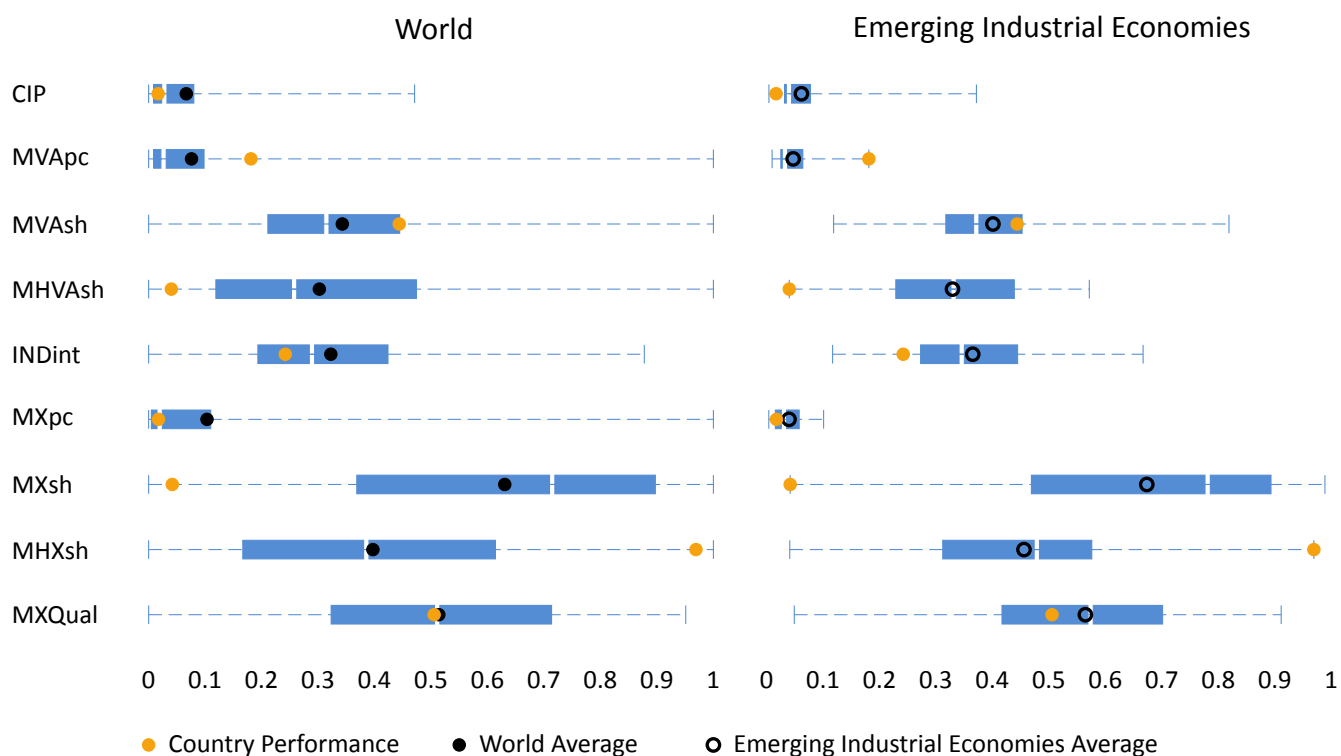


Performance indexes

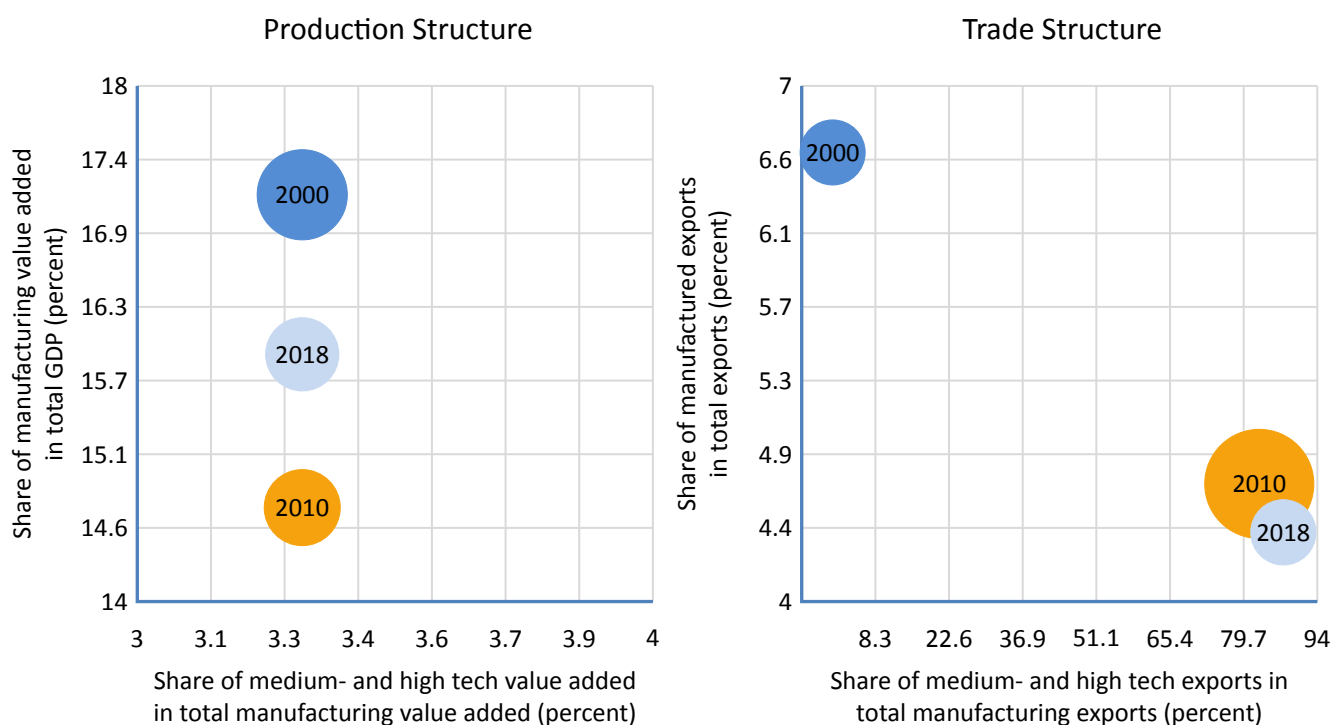
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	93	0.017	0.067	84 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	21	0.181	0.076	20	
Share of Manufacturing Value Added in GDP Index	39	0.444	0.343	40	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	141	0.040	0.302	141	
Industrialization Intensity Index	96	0.242	0.323	96	
Share of World Manufacturing Value Added Index	105	0.001	0.023	105	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	81	0.017	0.103	62	
Share of Manufacturing Exports in Total Exports Index	150	0.042	0.631	145	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	2	0.969	0.397	17	
Index Industrial Export Quality Index	79	0.505	0.514	93	
Share in World Manufacturing Export Index	132	0.000	0.039	128	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Bulgaria

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 54
(index of 152 countries)

Score **0.052**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

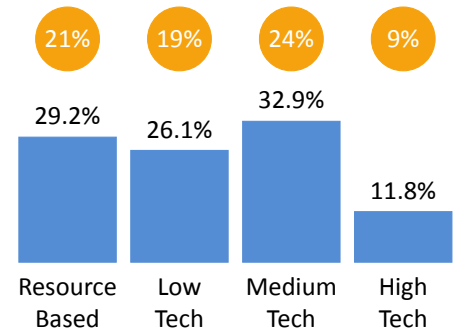
GDP: 55.8 billion | 7,918 per capita

Manufacturing value added: 8,006 million | 1,135 per capita

Manufacturing exports: 24.7 billion | 3,501 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

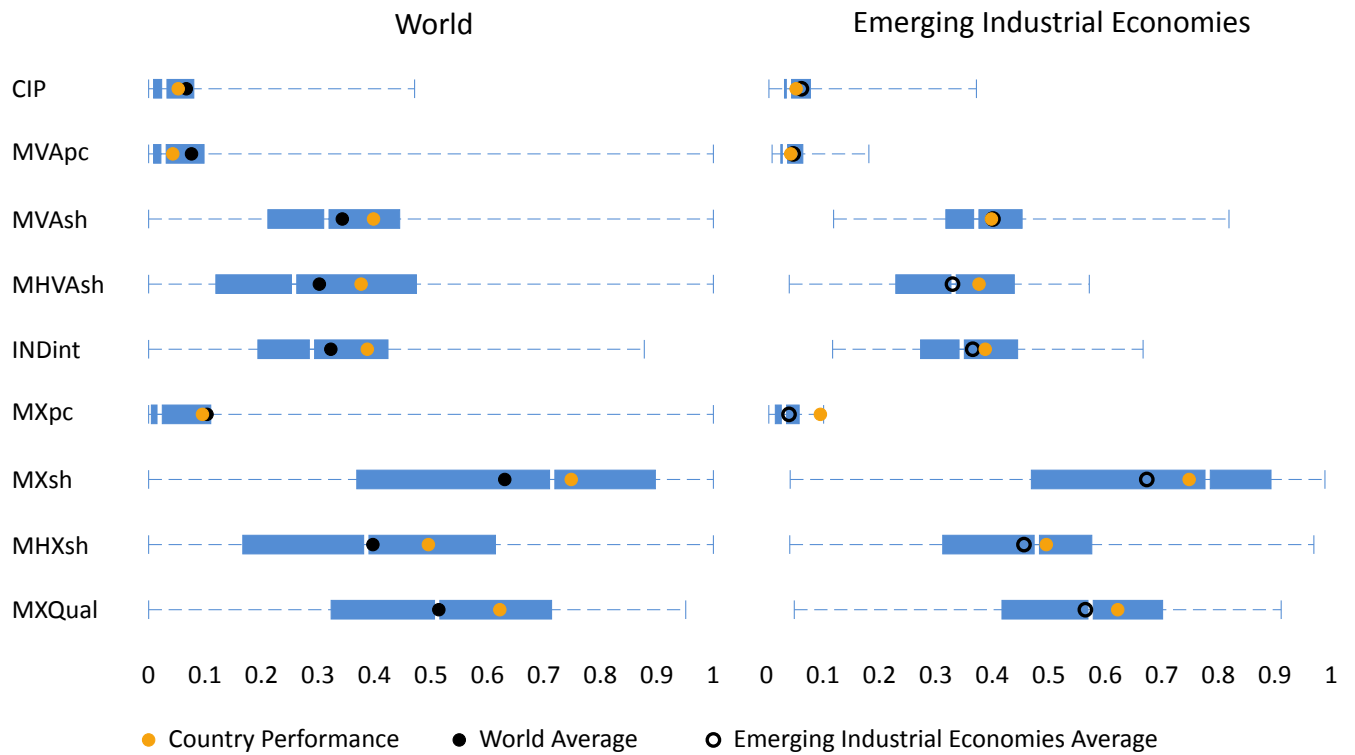


Performance indexes

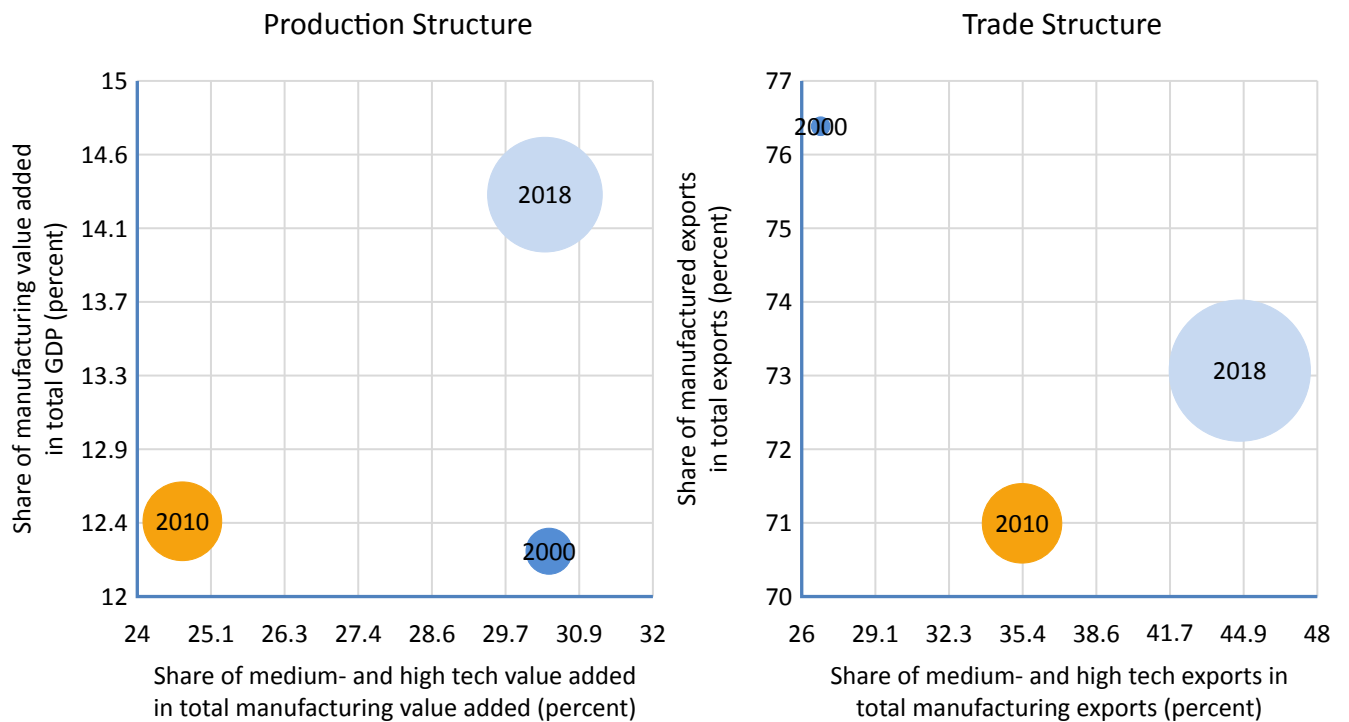
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	54	0.052	0.067	55 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	62	0.043	0.076	62	
Share of Manufacturing Value Added in GDP Index	51	0.398	0.343	52	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	52	0.376	0.302	53	
Industrialization Intensity Index	48	0.387	0.323	48	
Share of World Manufacturing Value Added Index	71	0.002	0.023	71	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	43	0.095	0.103	42	
Share of Manufacturing Exports in Total Exports Index	73	0.748	0.631	74	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	56	0.495	0.397	54	
Index Industrial Export Quality Index	56	0.622	0.514	56	
Share in World Manufacturing Export Index	52	0.010	0.039	53	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Burundi

Africa
Least Developed Countries
Low Income

RANK 145
(index of 152 countries)

Score **0.001**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

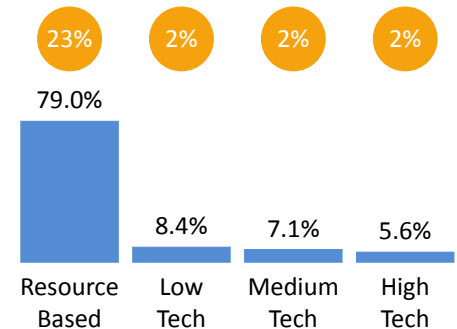
GDP: 2,895 million | 259 per capita

Manufacturing value added: 315.9 million | 28.3 per capita

Manufacturing exports: 46.1 million | 4.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

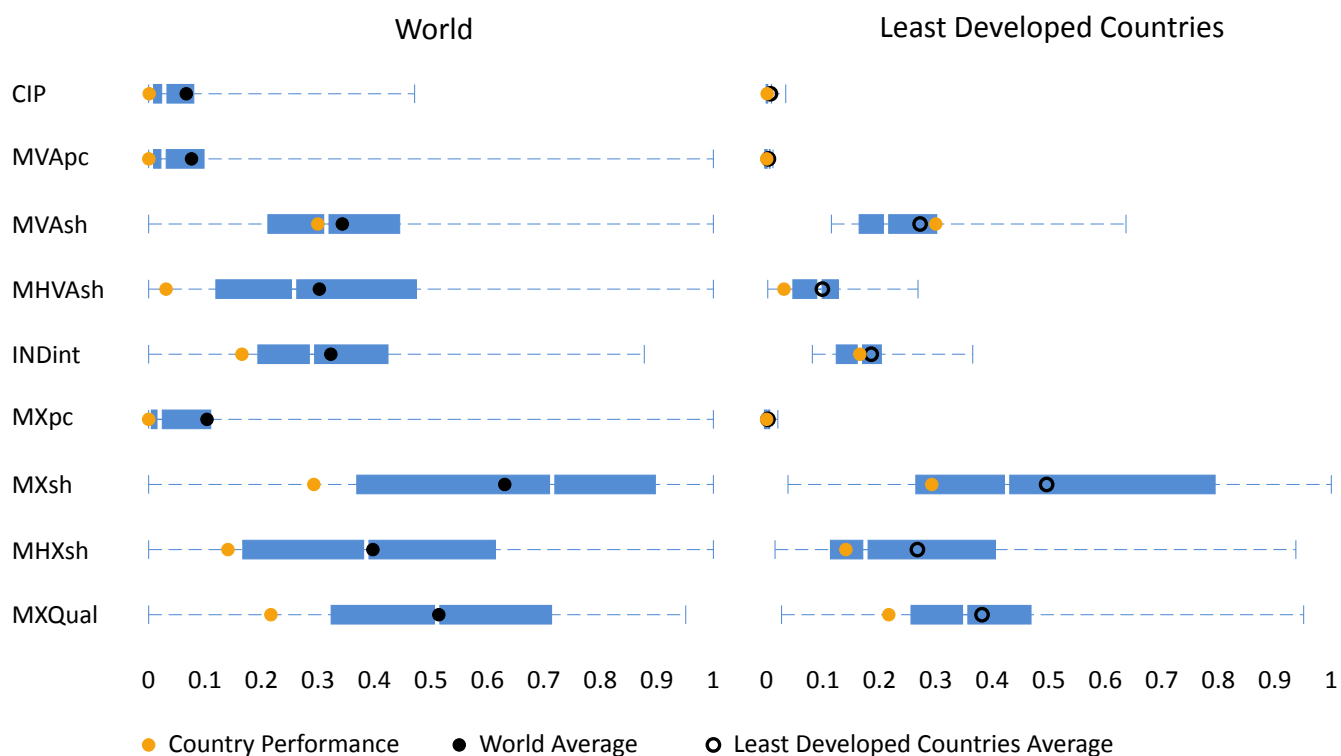


Performance indexes

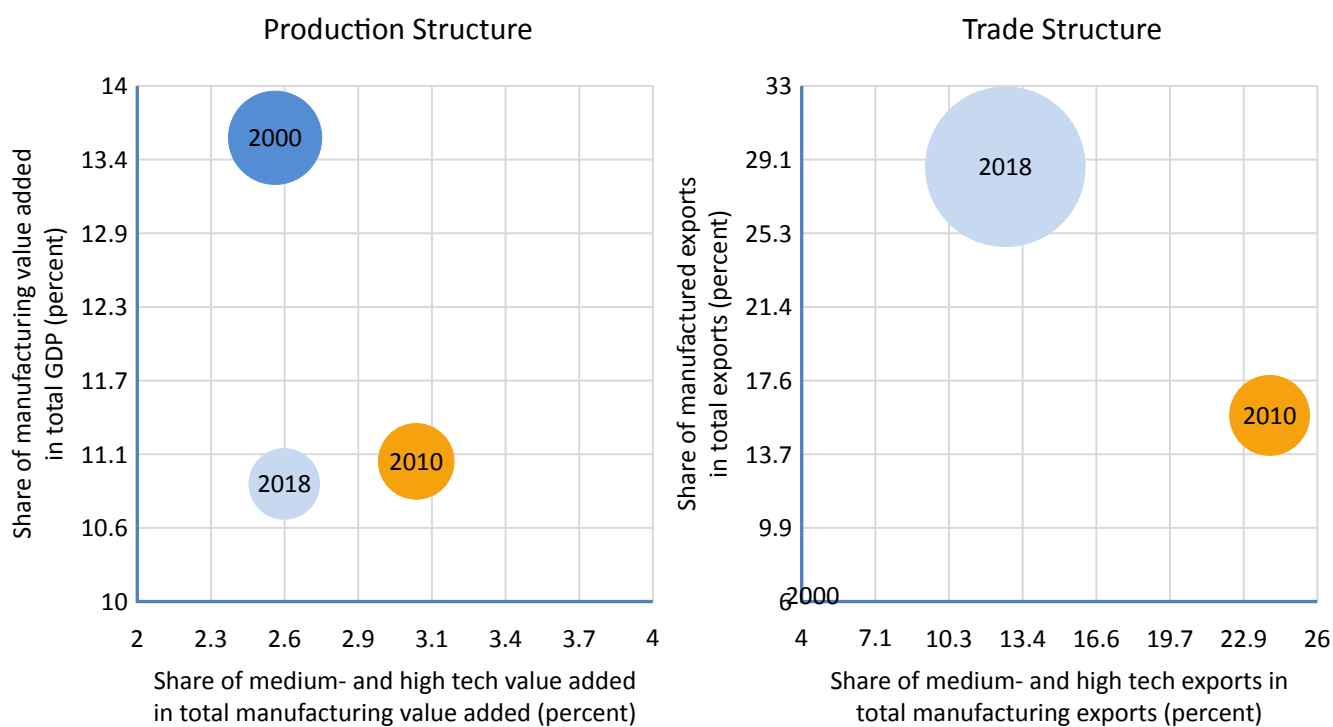
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	145	0.001	0.067	145 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	151	0.000	0.076	150	
Share of Manufacturing Value Added in GDP Index	87	0.300	0.343	83	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	146	0.031	0.302	146	
Industrialization Intensity Index	125	0.165	0.323	125	
Share of World Manufacturing Value Added Index	142	0.000	0.023	141	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	148	0.000	0.103	148	
Share of Manufacturing Exports in Total Exports Index	123	0.293	0.631	119	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	122	0.140	0.397	131	
Index Industrial Export Quality Index	139	0.216	0.514	137	
Share in World Manufacturing Export Index	146	0.000	0.039	144	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Cabo Verde

Africa
Other Developing Economies
Lower Middle Income

RANK 136
(index of 152 countries)

Score **0.003**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

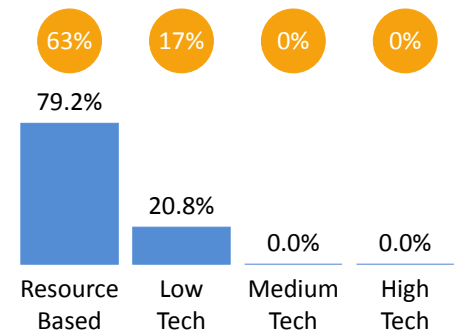
GDP: 1,827 million | 3,359 per capita

Manufacturing value added: 115.2 million | 212 per capita

Manufacturing exports: 59.8 million | 110 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

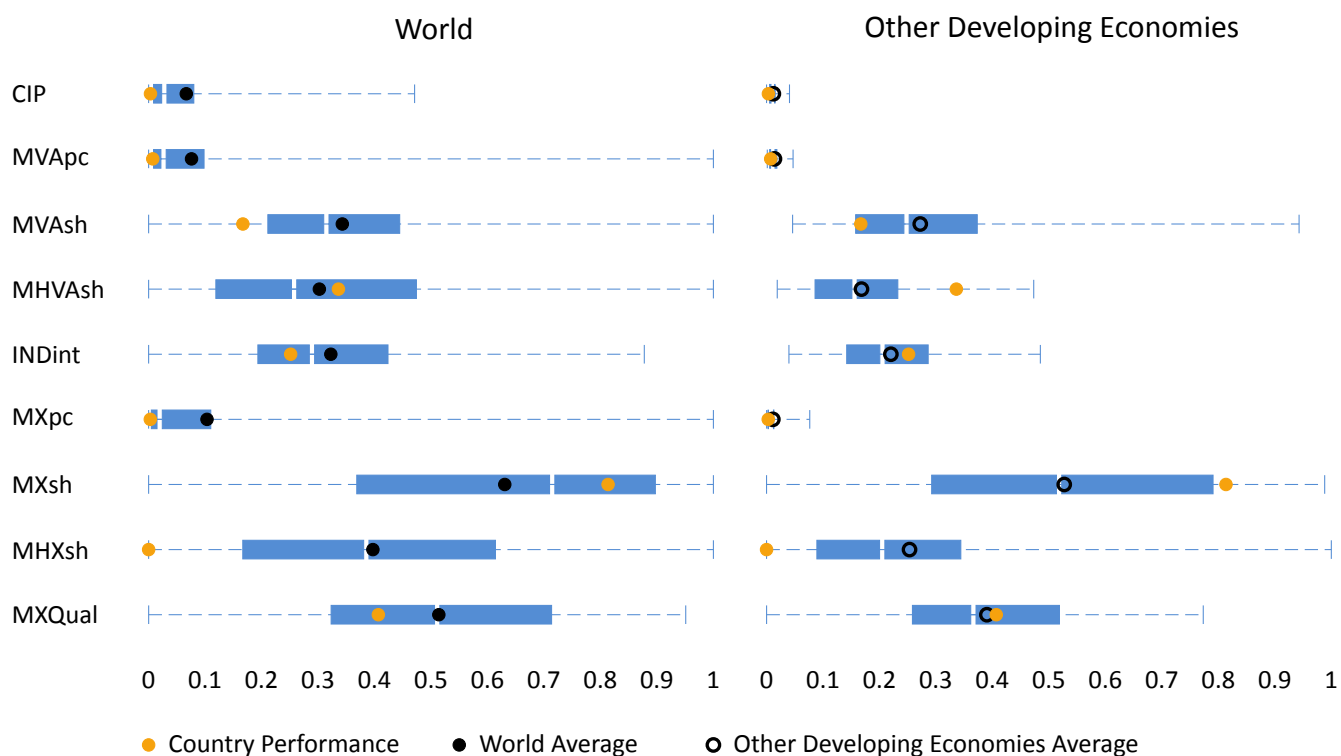


Performance indexes

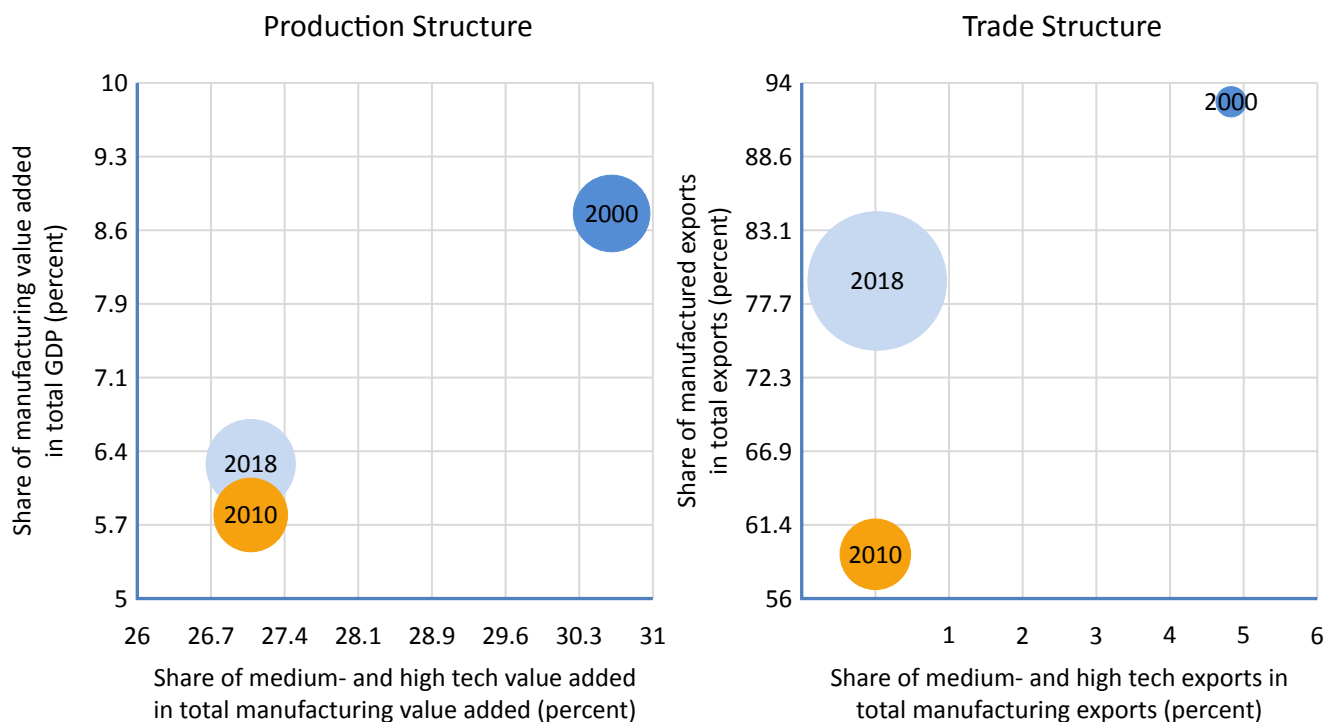
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	136	0.003	0.067	139 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	121	0.007	0.076	119	
Share of Manufacturing Value Added in GDP Index	123	0.167	0.343	123	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	60	0.336	0.302	64	
Industrialization Intensity Index	91	0.251	0.323	95	
Share of World Manufacturing Value Added Index	146	0.000	0.023	146	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	121	0.003	0.103	125	
Share of Manufacturing Exports in Total Exports Index	64	0.813	0.631	64	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	152	0.000	0.397	151	
Index Industrial Export Quality Index	94	0.407	0.514	94	
Share in World Manufacturing Export Index	144	0.000	0.039	146	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Cambodia

Asia and Pacific
Least Developed Countries
Lower Middle Income

RANK 85
(index of 152 countries)

Score **0.021**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

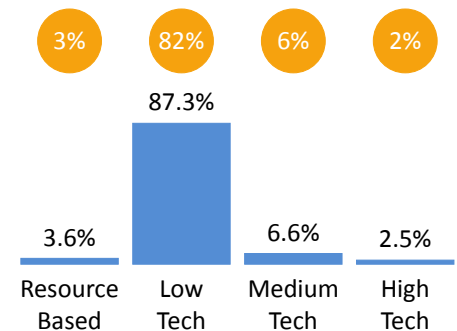
GDP: 22.2 billion | 1,366 per capita

Manufacturing value added: 3,672 million | 226 per capita

Manufacturing exports: 11.9 billion | 733 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

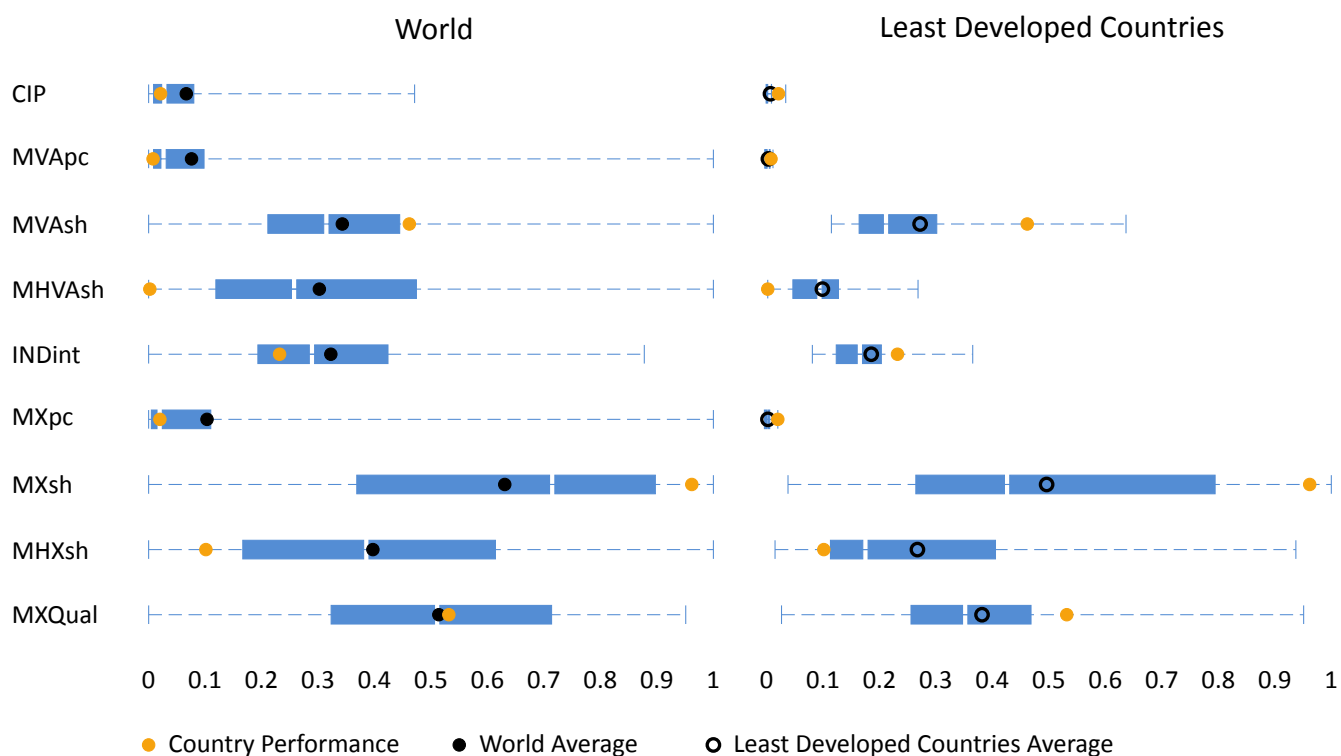


Performance indexes

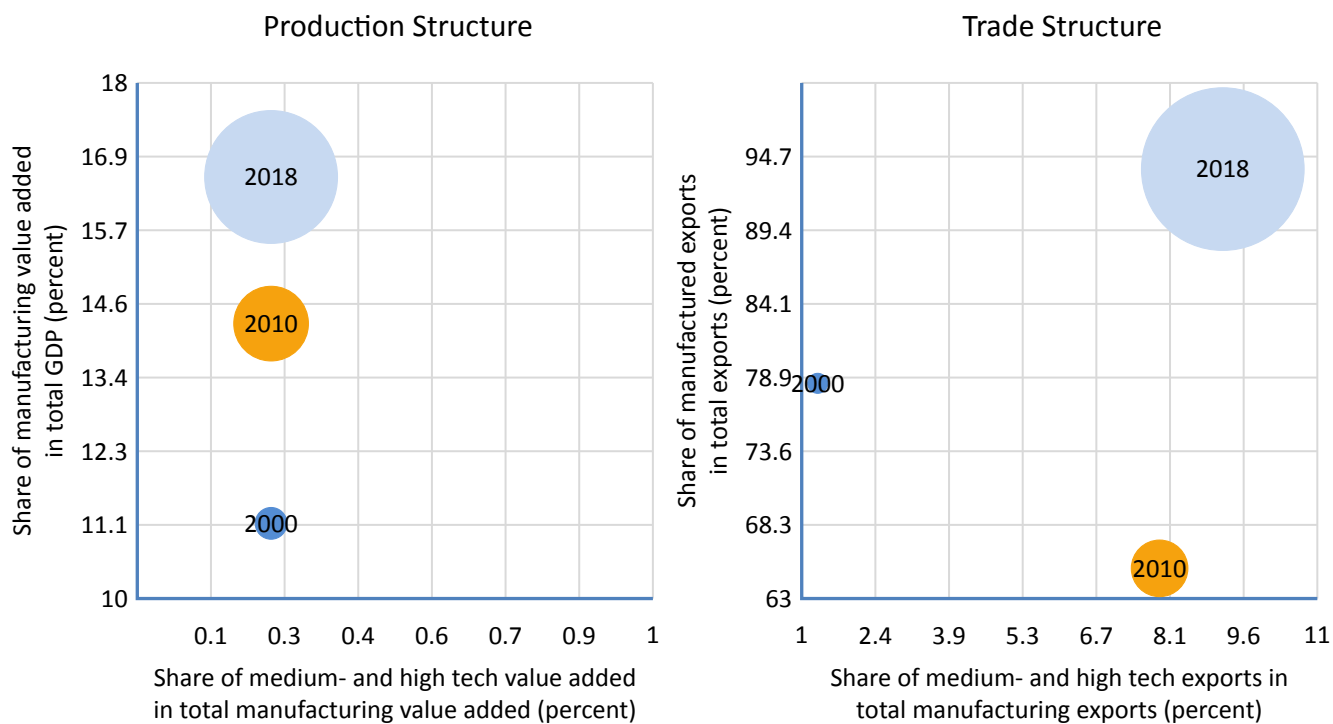
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	85	0.021	0.067	86 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	117	0.008	0.076	121	
Share of Manufacturing Value Added in GDP Index	34	0.462	0.343	38	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	151	0.002	0.302	151	
Industrialization Intensity Index	98	0.232	0.323	102	
Share of World Manufacturing Value Added Index	91	0.001	0.023	93	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	76	0.020	0.103	79	
Share of Manufacturing Exports in Total Exports Index	14	0.962	0.631	17	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	131	0.101	0.397	129	
Index Industrial Export Quality Index	69	0.532	0.514	69	
Share in World Manufacturing Export Index	71	0.005	0.039	70	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Cameroon

Africa
Other Developing Economies
Lower Middle Income

RANK 121
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

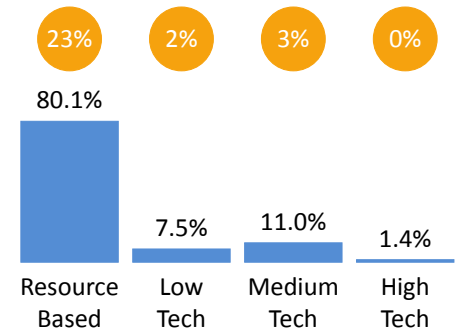
GDP: 34.9 billion | 1,382 per capita

Manufacturing value added: 5,238 million | 208 per capita

Manufacturing exports: 938.7 million | 38.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

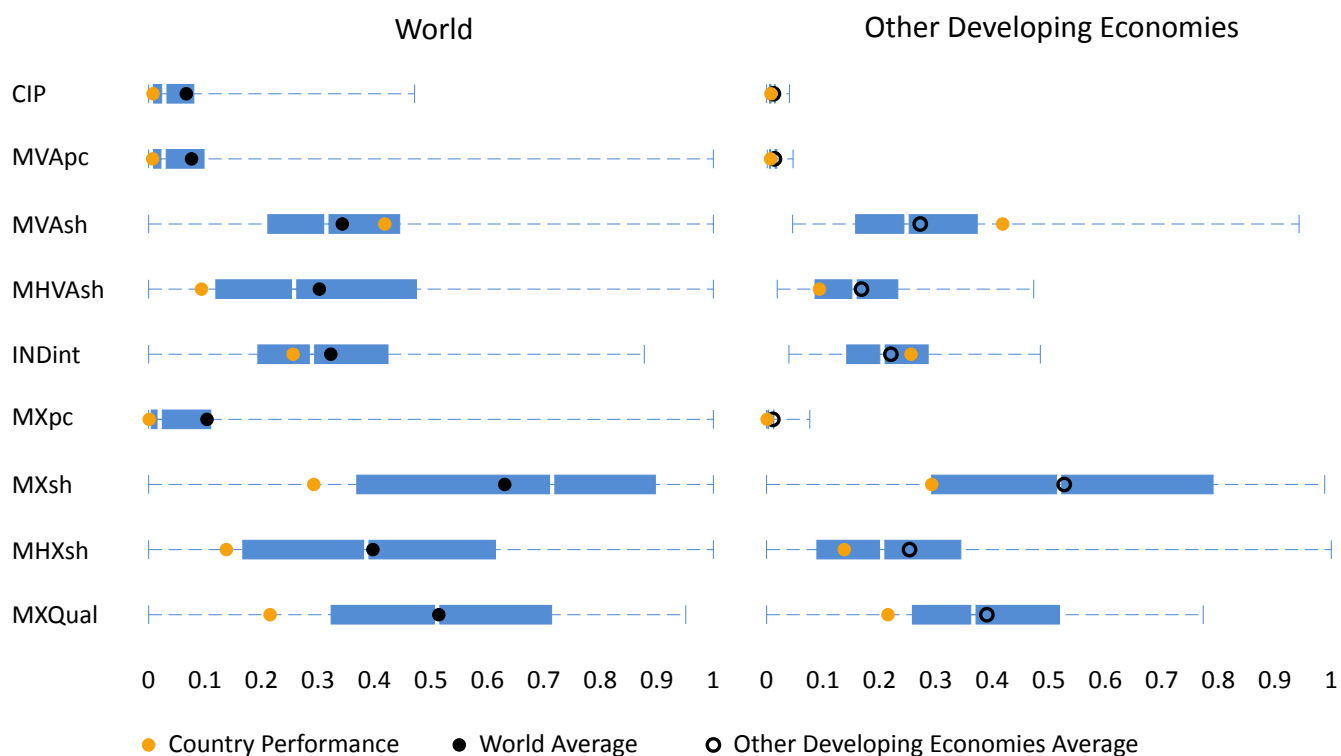


Performance indexes

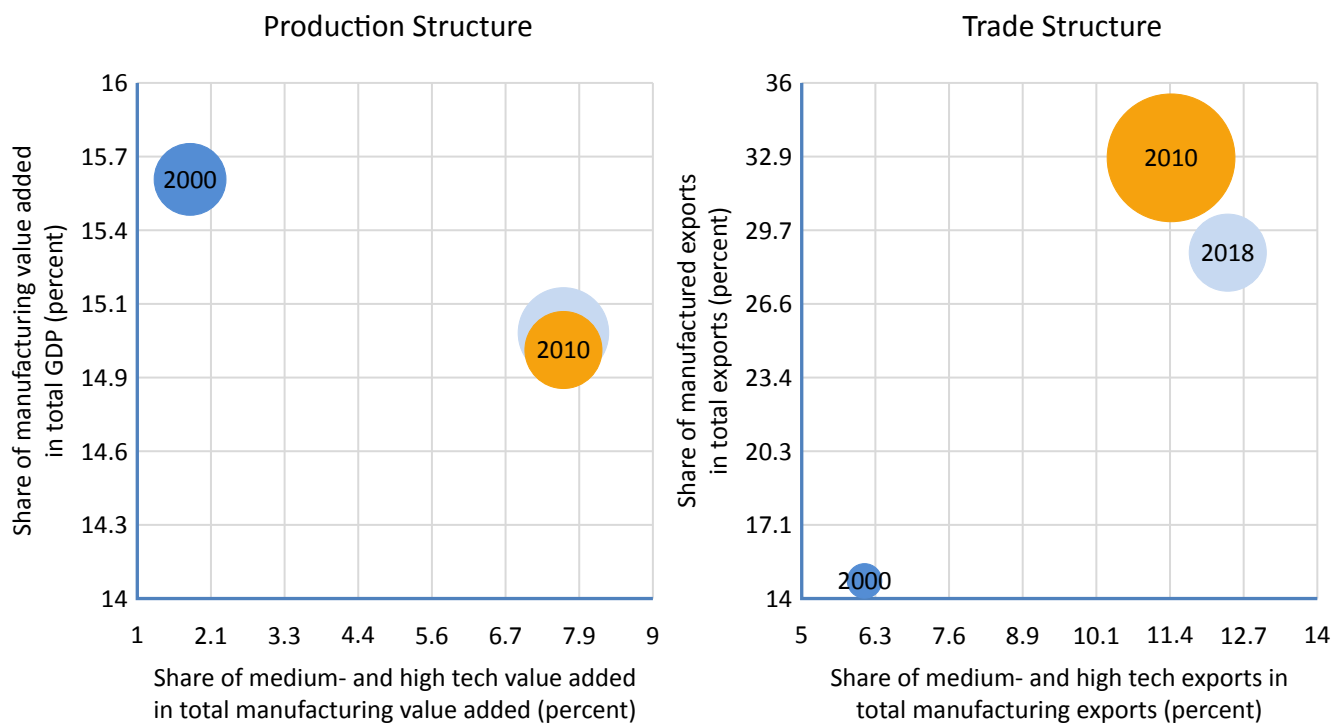
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	121	0.008	0.067	121 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	123	0.007	0.076	120	
Share of Manufacturing Value Added in GDP Index	46	0.418	0.343	46	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	122	0.094	0.302	120	
Industrialization Intensity Index	89	0.256	0.323	90	
Share of World Manufacturing Value Added Index	84	0.001	0.023	84	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	135	0.001	0.103	133	
Share of Manufacturing Exports in Total Exports Index	124	0.292	0.631	122	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	123	0.138	0.397	120	
Index Industrial Export Quality Index	140	0.215	0.514	134	
Share in World Manufacturing Export Index	122	0.000	0.039	120	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Canada

North America
Industrialized Economies
High Income

RANK 19
(index of 152 countries)

Score **0.179**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

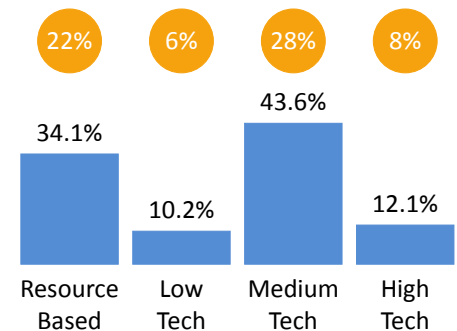
GDP: 1,653 billion | 44,584 per capita

Manufacturing value added: 160.6 billion | 4,331 per capita

Manufacturing exports: 263.7 billion | 7,112 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

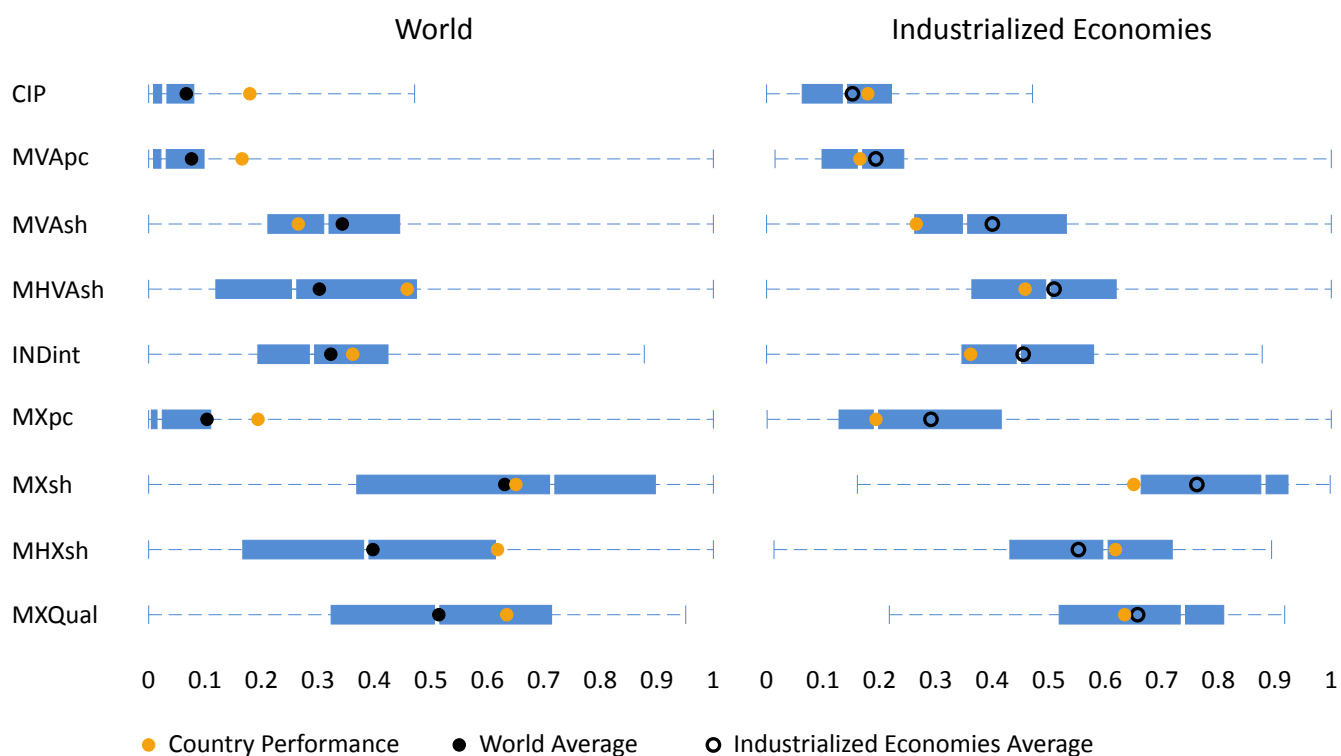


Performance indexes

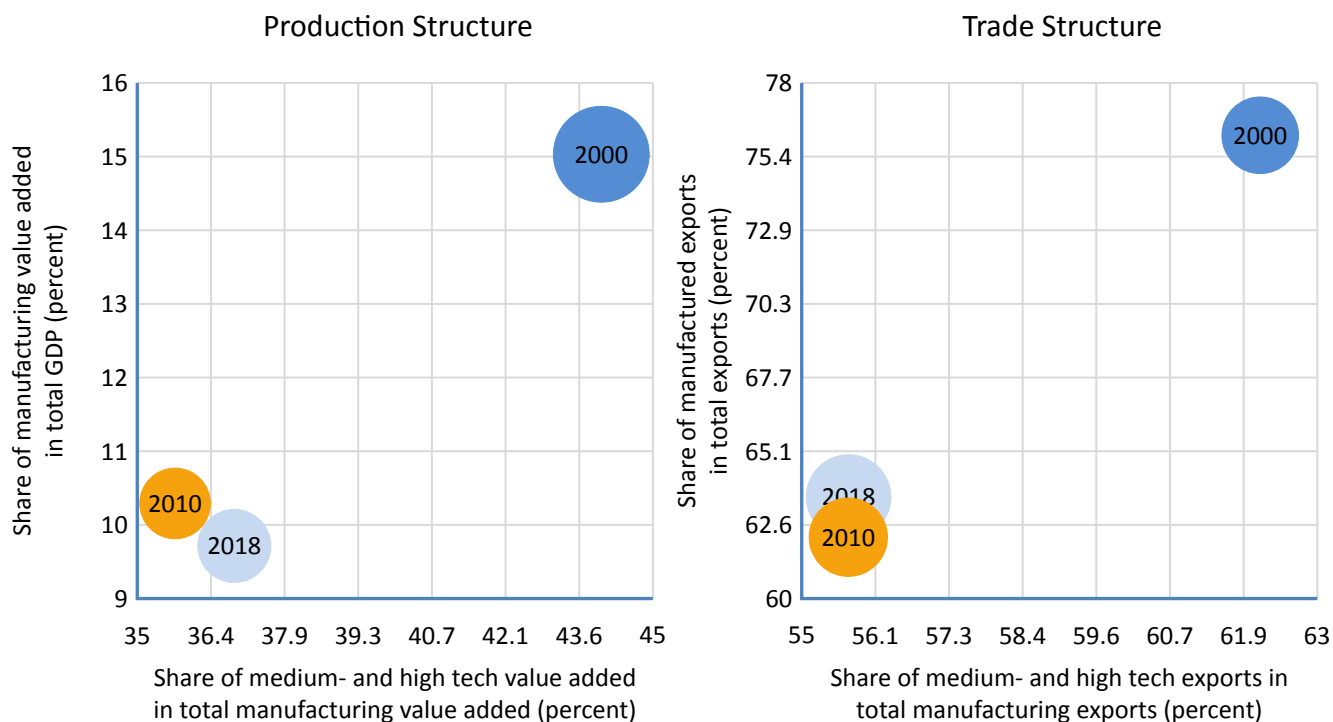
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	19	0.179	0.067	18 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	25	0.165	0.076	25	
Share of Manufacturing Value Added in GDP Index	98	0.265	0.343	98	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	40	0.458	0.302	40	
Industrialization Intensity Index	53	0.361	0.323	53	
Share of World Manufacturing Value Added Index	17	0.041	0.023	17	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	24	0.194	0.103	24	
Share of Manufacturing Exports in Total Exports Index	84	0.650	0.631	83	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	37	0.618	0.397	33	
Index Industrial Export Quality Index	54	0.634	0.514	51	
Share in World Manufacturing Export Index	15	0.110	0.039	15	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Central African Republic

Africa
Least Developed Countries
Low Income

RANK 133
(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

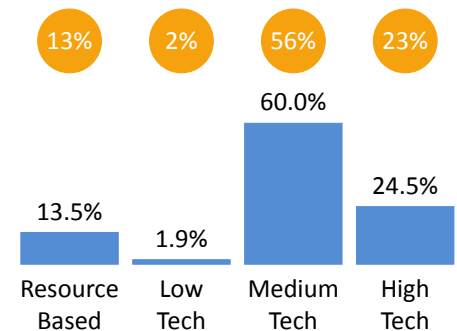
GDP: 1,848 million | 396 per capita

Manufacturing value added: 349.1 million | 74.8 per capita

Manufacturing exports: 185.4 million | 40.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

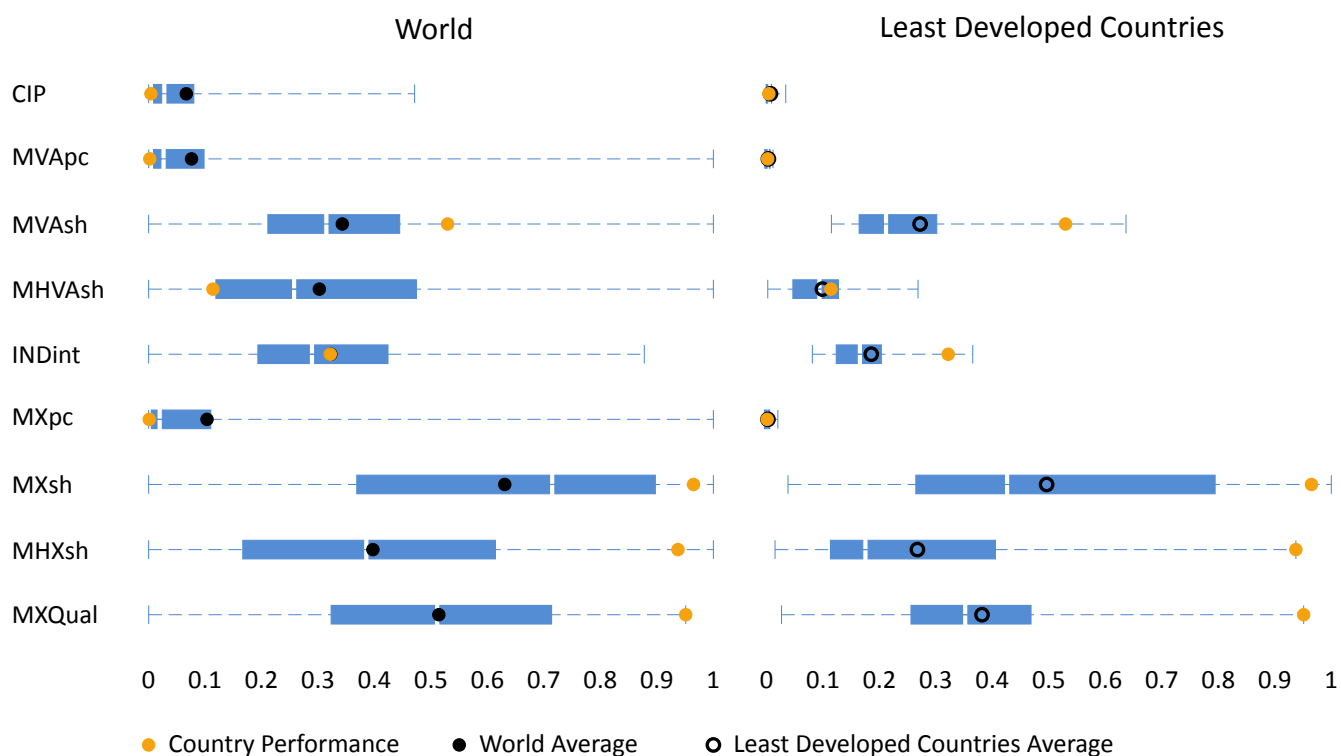


Performance indexes

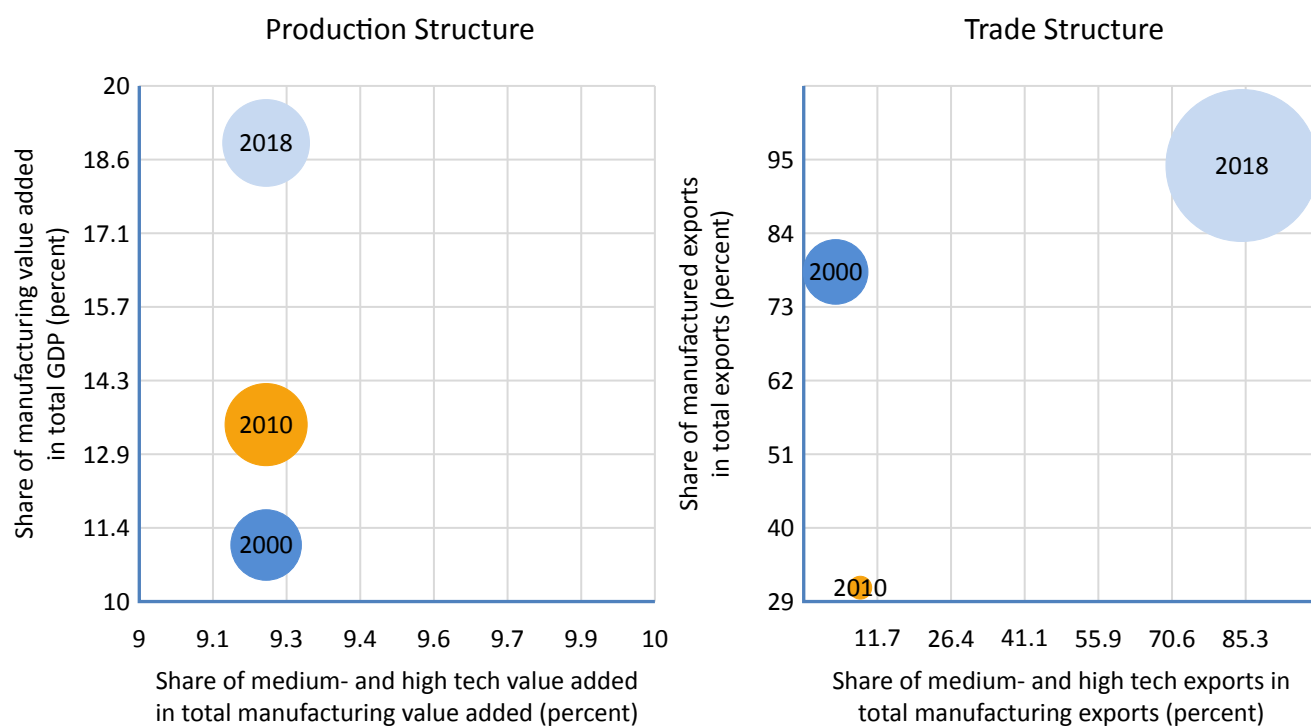
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	133	0.004	0.067	131 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	137	0.002	0.076	137	
Share of Manufacturing Value Added in GDP Index	24	0.529	0.343	23	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	116	0.114	0.302	115	
Industrialization Intensity Index	70	0.322	0.323	69	
Share of World Manufacturing Value Added Index	140	0.000	0.023	140	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	133	0.001	0.103	132	
Share of Manufacturing Exports in Total Exports Index	13	0.965	0.631	13	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	3	0.937	0.397	2	
Index Industrial Export Quality Index	1	0.951	0.514	1	
Share in World Manufacturing Export Index	134	0.000	0.039	134	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Chile

Latin America
Industrialized Economies
High Income

RANK 50
(index of 152 countries)

Score **0.058**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

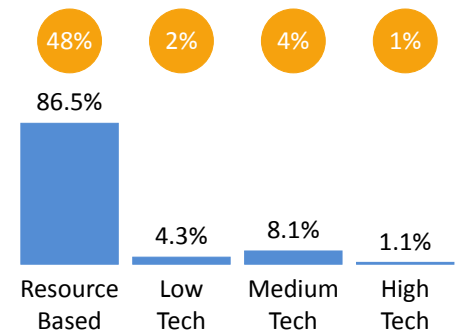
GDP: 260.9 billion | 13,928 per capita

Manufacturing value added: 28.6 billion | 1,528 per capita

Manufacturing exports: 41.6 billion | 2,219 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

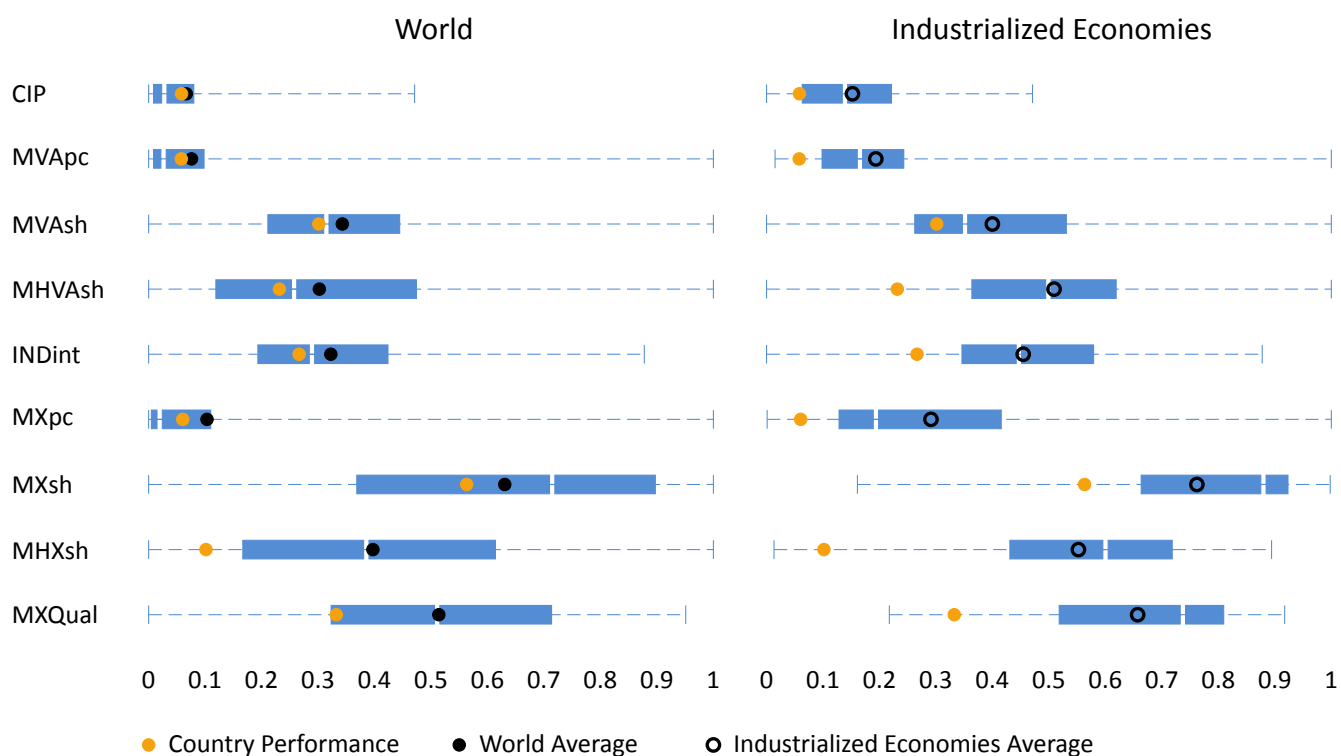


Performance indexes

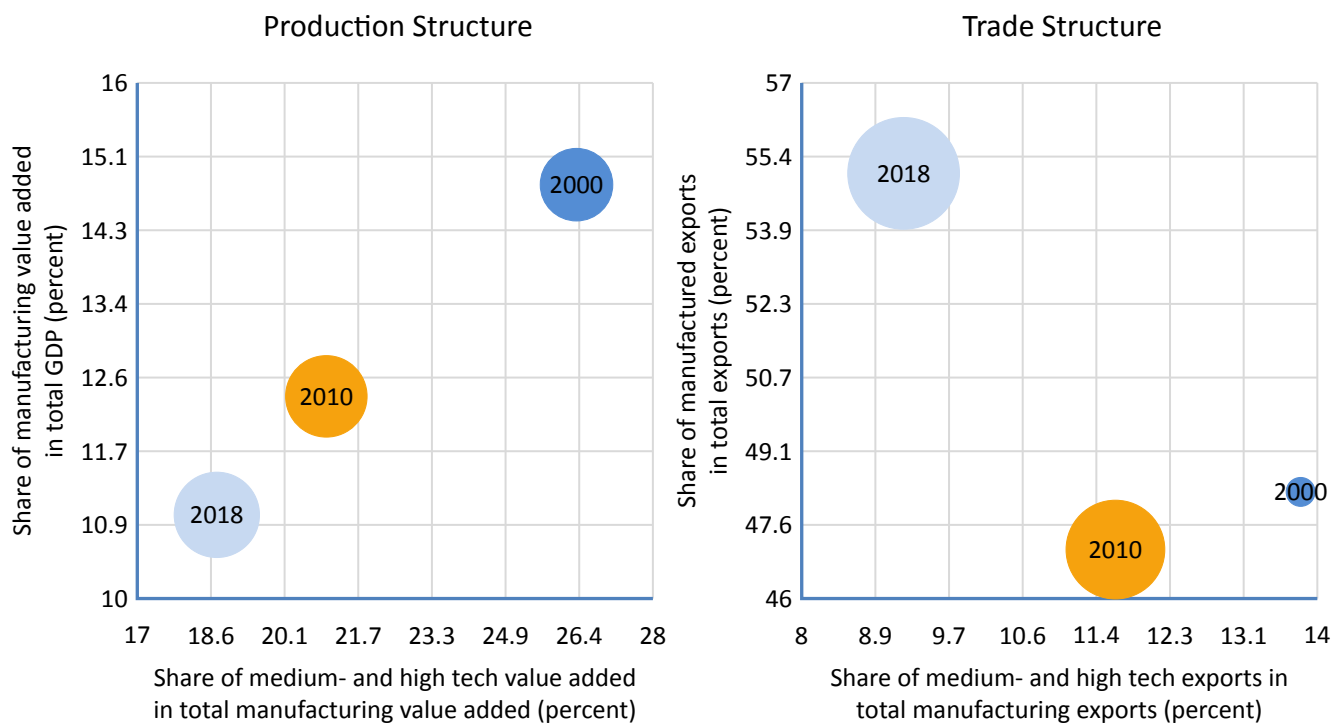
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	50	0.058	0.067	49 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	54	0.058	0.076	55	
Share of Manufacturing Value Added in GDP Index	84	0.301	0.343	81	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	83	0.232	0.302	82	
Industrialization Intensity Index	87	0.266	0.323	83	
Share of World Manufacturing Value Added Index	47	0.007	0.023	47	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	52	0.060	0.103	52	
Share of Manufacturing Exports in Total Exports Index	93	0.563	0.631	91	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	130	0.102	0.397	128	
Index Industrial Export Quality Index	112	0.332	0.514	114	
Share in World Manufacturing Export Index	43	0.017	0.039	43	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

China

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 2
(index of 152 countries)

Score **0.372**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

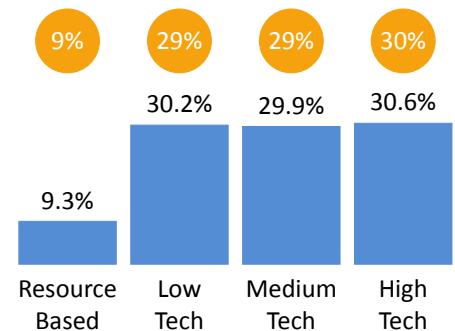
GDP: 13,446 billion | 9,419 per capita

Manufacturing value added: 3,892 billion | 2,726 per capita

Manufacturing exports: 2,405 billion | 1,685 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

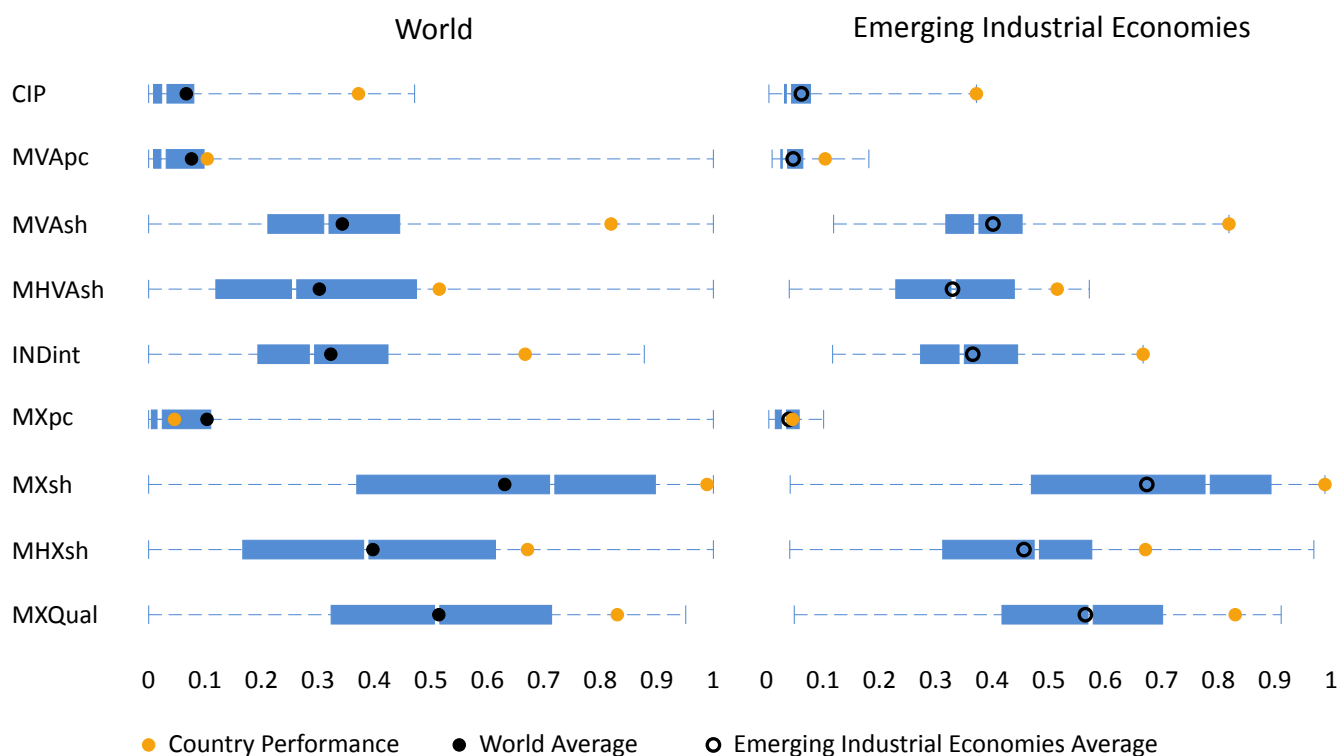


Performance indexes

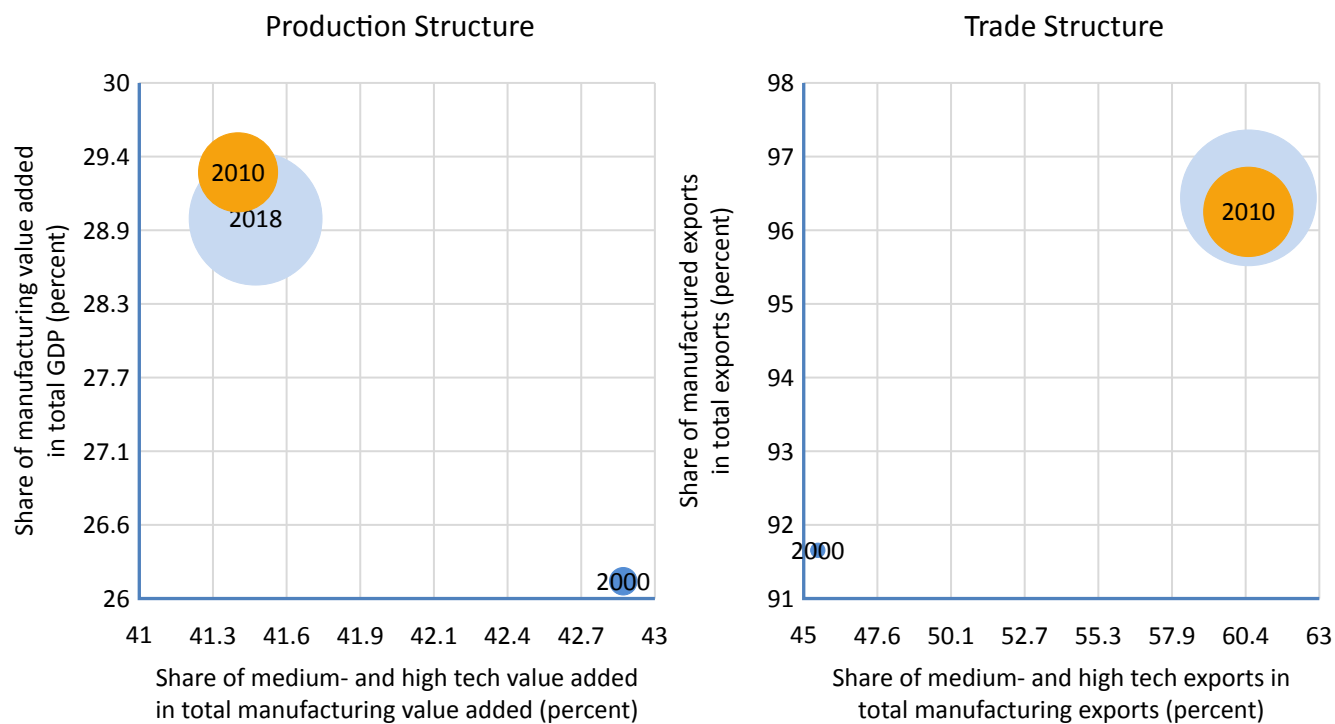
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	2	0.372	0.067	2 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	35	0.104	0.076	36	
Share of Manufacturing Value Added in GDP Index	4	0.819	0.343	4	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	29	0.515	0.302	30	
Industrialization Intensity Index	7	0.667	0.323	7	
Share of World Manufacturing Value Added Index	1	1.000	0.023	1	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	58	0.046	0.103	59	
Share of Manufacturing Exports in Total Exports Index	4	0.989	0.631	5	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	28	0.671	0.397	28	
Index Industrial Export Quality Index	12	0.830	0.514	12	
Share in World Manufacturing Export Index	1	1.000	0.039	1	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

China, Hong Kong SAR

Asia and Pacific
Industrialized Economies
High Income

RANK 88
(index of 152 countries)

Score **0.019**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

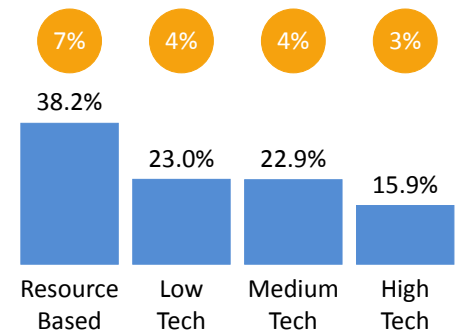
GDP: 337.9 billion | 45,841 per capita

Manufacturing value added: 3,287 million | 446 per capita

Manufacturing exports: 4,903 million | 677 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

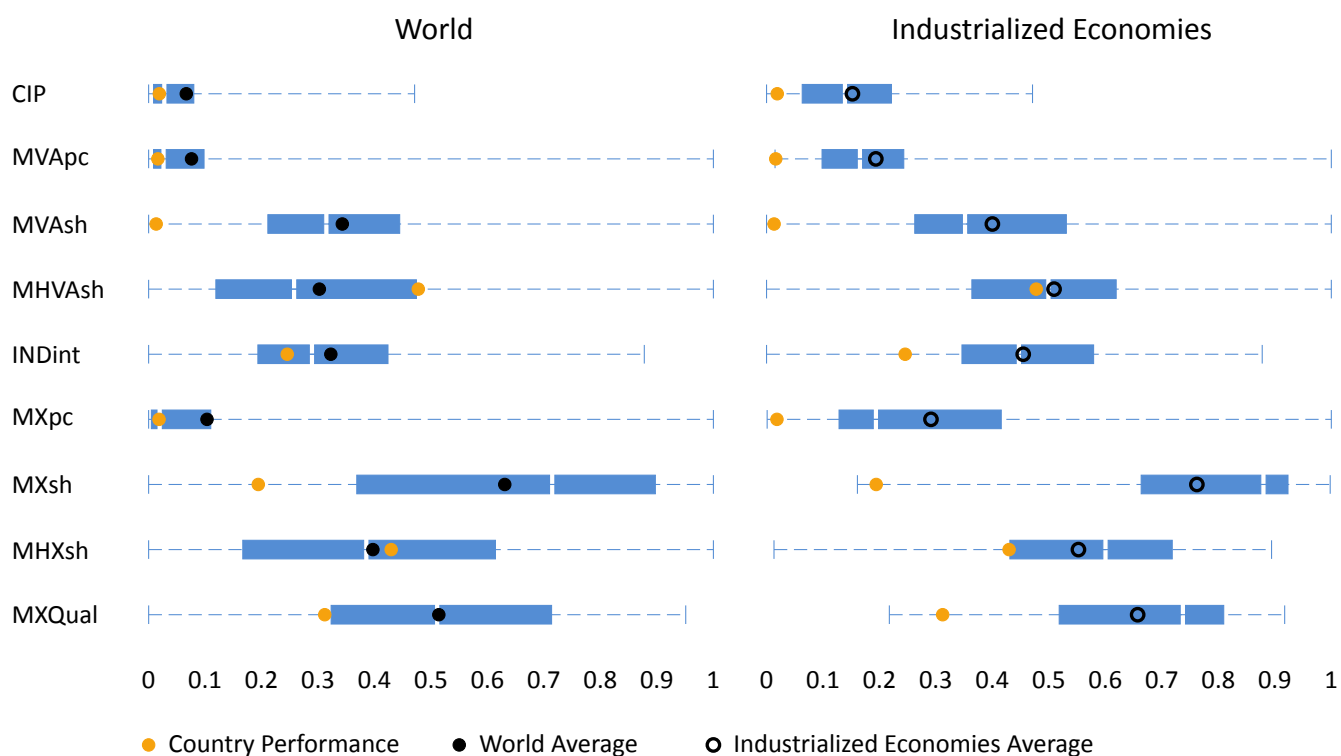


Performance indexes

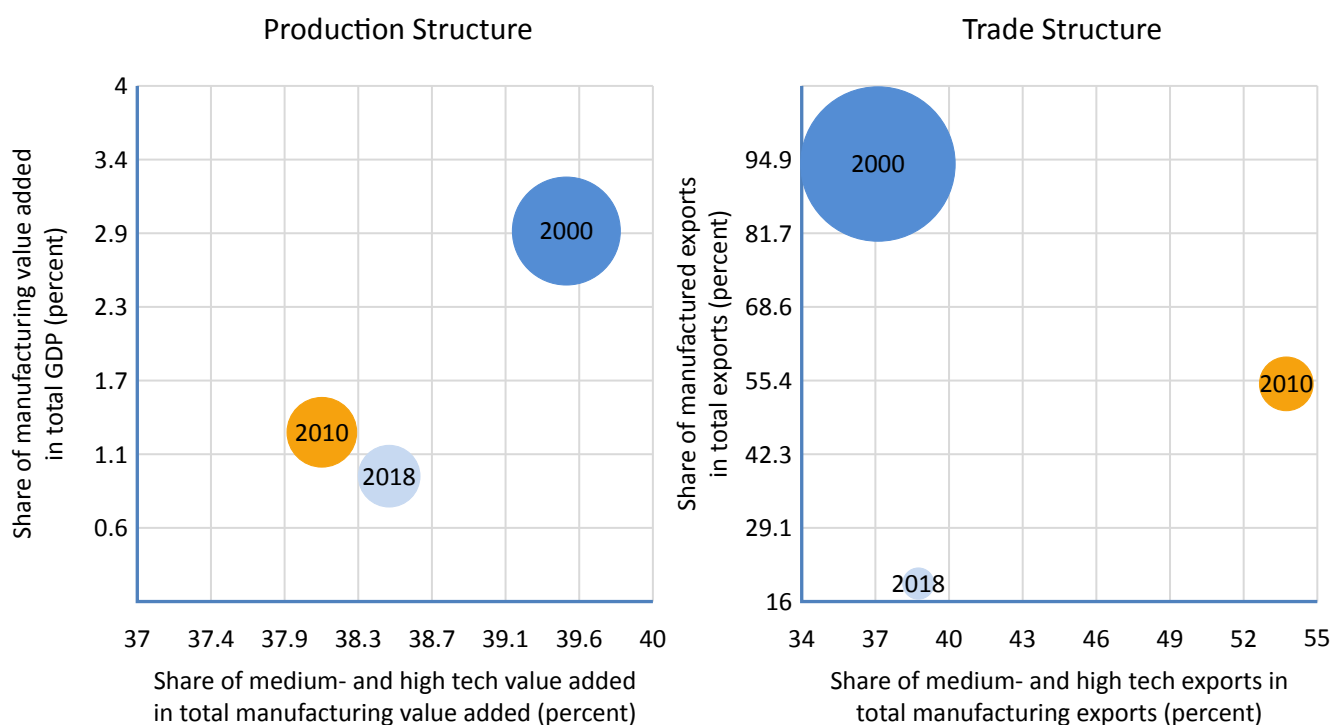
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	88	0.019	0.067	88 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	94	0.016	0.076	94	
Share of Manufacturing Value Added in GDP Index	150	0.013	0.343	150	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	38	0.477	0.302	38	
Industrialization Intensity Index	94	0.245	0.323	98	
Share of World Manufacturing Value Added Index	95	0.001	0.023	91	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	78	0.018	0.103	78	
Share of Manufacturing Exports in Total Exports Index	137	0.194	0.631	134	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	68	0.429	0.397	68	
Index Industrial Export Quality Index	119	0.312	0.514	121	
Share in World Manufacturing Export Index	83	0.002	0.039	82	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

China, Macao SAR

Asia and Pacific
Industrialized Economies
High Income

RANK 150

(index of 152 countries)

Score **0**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

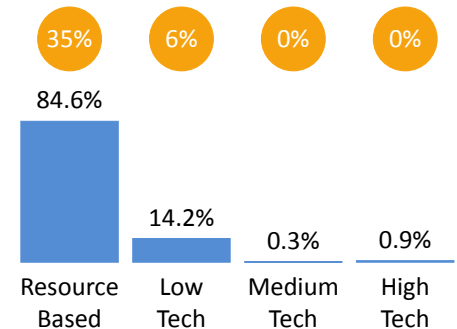
GDP: 51.4 billion | 81,330 per capita

Manufacturing value added: 261.0 million | 413 per capita

Manufacturing exports: 24.7 million | 39.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

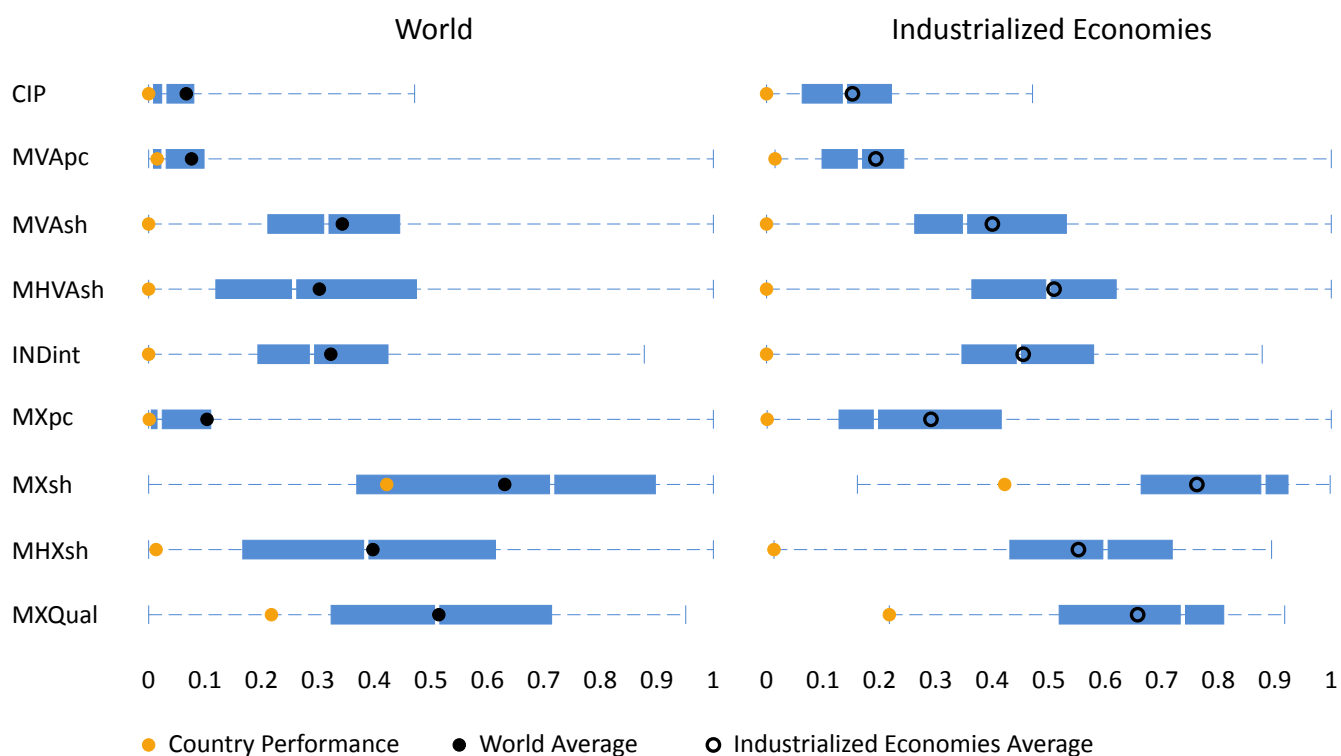


Performance indexes

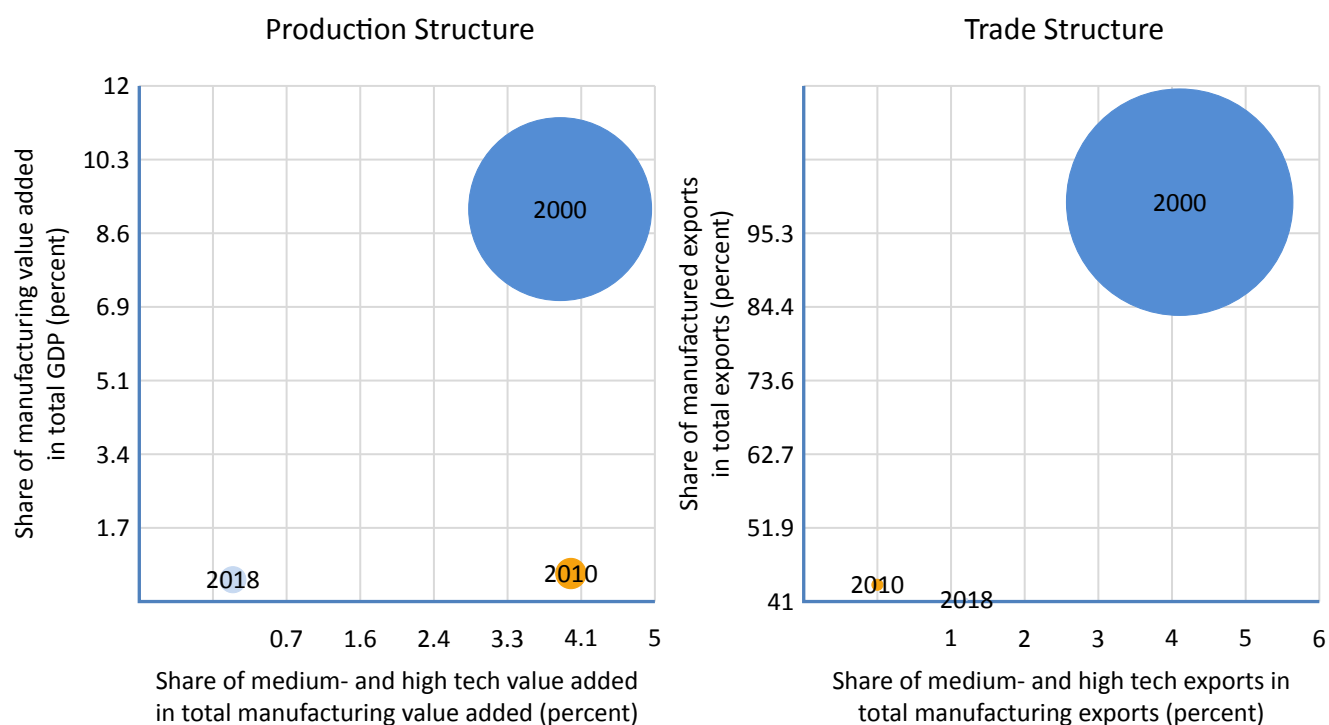
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	150	0.000	0.067	150 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	97	0.015	0.076	95	
Share of Manufacturing Value Added in GDP Index	152	0.000	0.343	152	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	152	0.000	0.302	152	
Industrialization Intensity Index	152	0.000	0.323	152	
Share of World Manufacturing Value Added Index	143	0.000	0.023	143	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	134	0.001	0.103	135	
Share of Manufacturing Exports in Total Exports Index	110	0.422	0.631	151	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	148	0.013	0.397	152	
Index Industrial Export Quality Index	138	0.217	0.514	151	
Share in World Manufacturing Export Index	148	0.000	0.039	148	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

China, Taiwan Province

Asia and Pacific
Industrialized Economies
High Income

RANK 8
(index of 152 countries)

Score **0.284**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

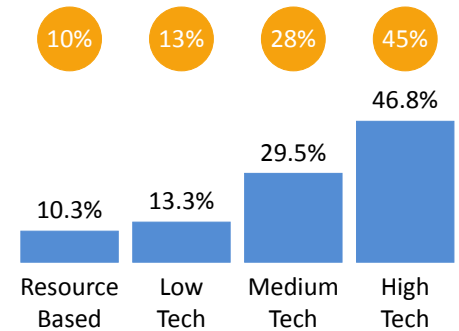
GDP: 564.5 billion | 23,790 per capita

Manufacturing value added: 177.6 billion | 7,485 per capita

Manufacturing exports: 323.6 billion | 13,640 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

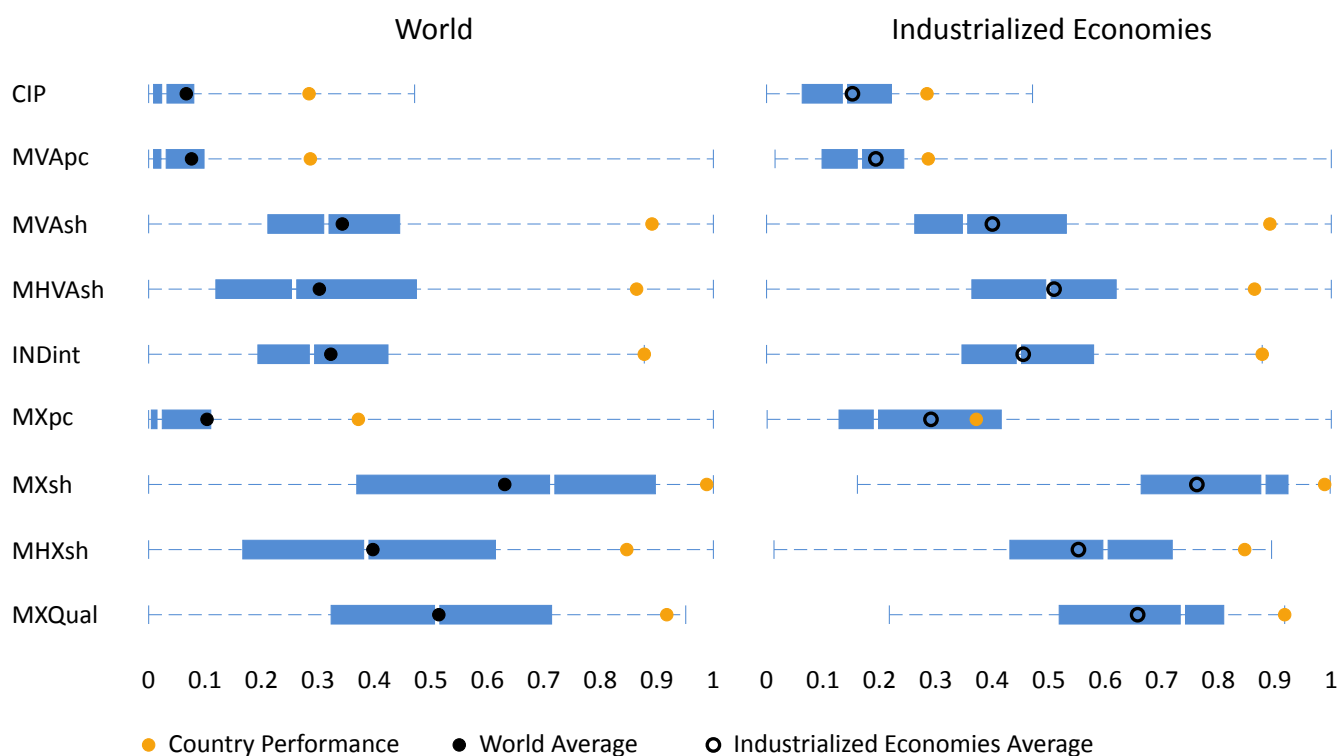


Performance indexes

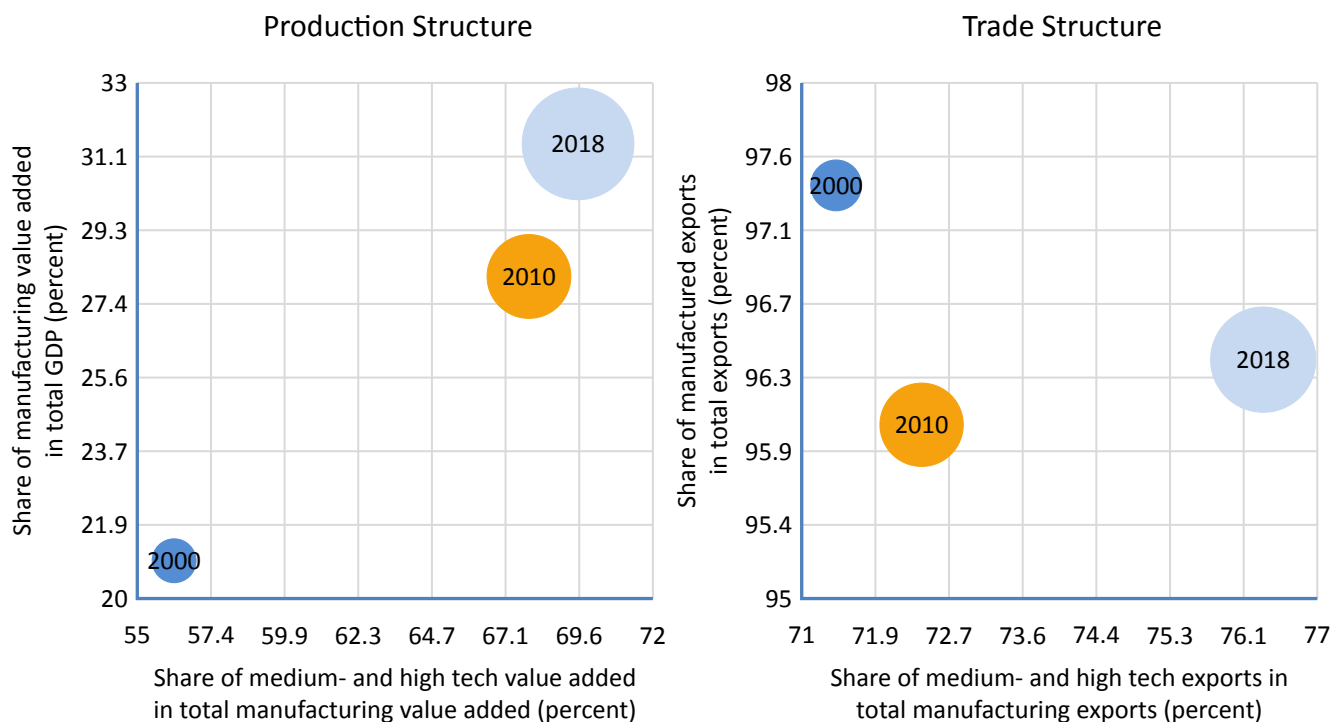
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	8	0.284	0.067	8 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	9	0.286	0.076	9	
Share of Manufacturing Value Added in GDP Index	3	0.891	0.343	3	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	2	0.864	0.302	2	
Industrialization Intensity Index	1	0.878	0.323	1	
Share of World Manufacturing Value Added Index	13	0.046	0.023	13	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	14	0.371	0.103	14	
Share of Manufacturing Exports in Total Exports Index	6	0.988	0.631	4	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	7	0.847	0.397	6	
Index Industrial Export Quality Index	2	0.917	0.514	2	
Share in World Manufacturing Export Index	12	0.135	0.039	12	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Colombia

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 73
(index of 152 countries)

Score **0.032**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

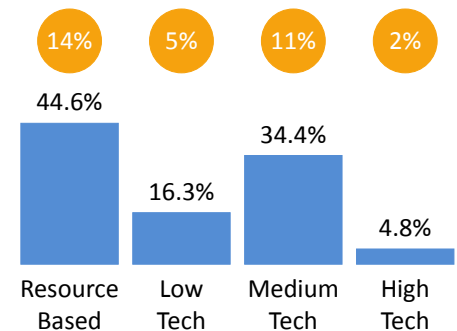
GDP: 310.5 billion | 6,253 per capita

Manufacturing value added: 34.3 billion | 690 per capita

Manufacturing exports: 13.4 billion | 270 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

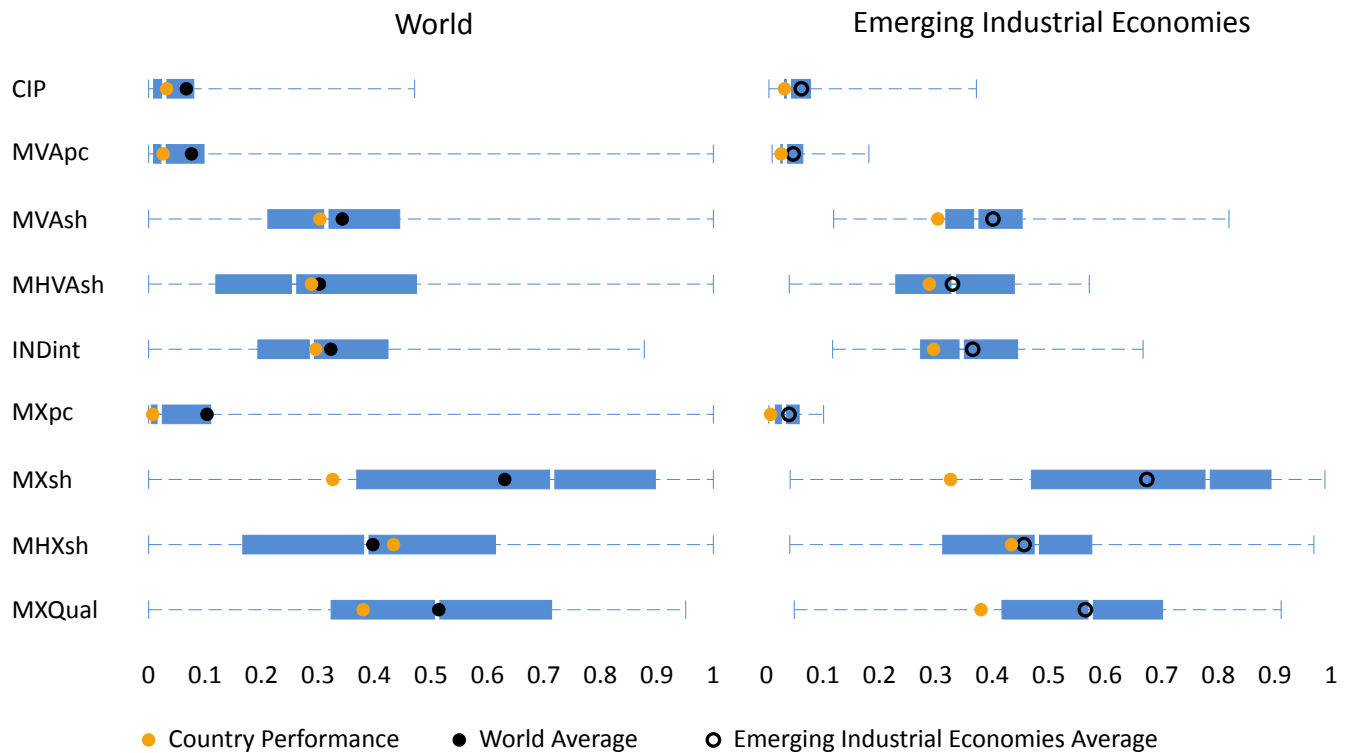


Performance indexes

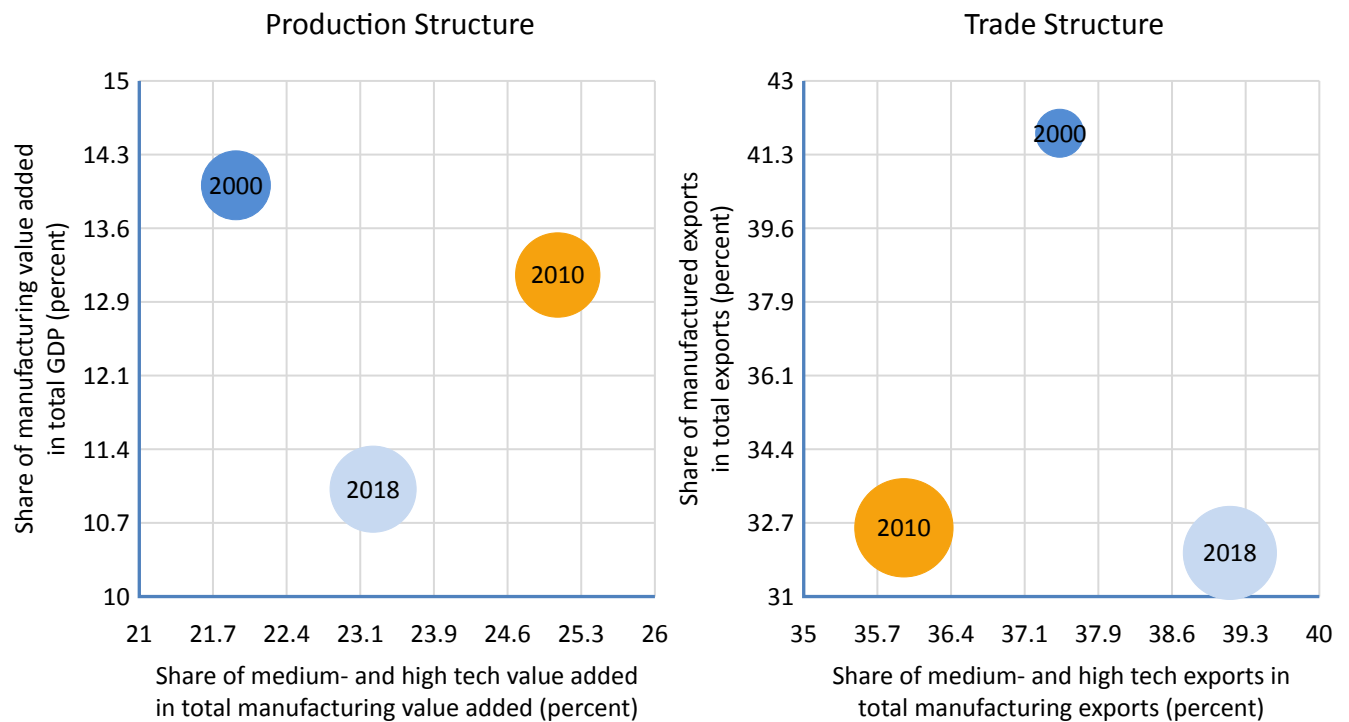
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	73	0.032	0.067	73 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	77	0.026	0.076	77	
Share of Manufacturing Value Added in GDP Index	80	0.303	0.343	80	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	71	0.288	0.302	72	
Industrialization Intensity Index	74	0.296	0.323	75	
Share of World Manufacturing Value Added Index	46	0.009	0.023	45	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	106	0.007	0.103	107	
Share of Manufacturing Exports in Total Exports Index	121	0.326	0.631	118	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	66	0.434	0.397	65	
Index Industrial Export Quality Index	100	0.380	0.514	98	
Share in World Manufacturing Export Index	66	0.006	0.039	67	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Congo

Africa
Other Developing Economies
Lower Middle Income

RANK 101

(index of 152 countries)

Score **0.013**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

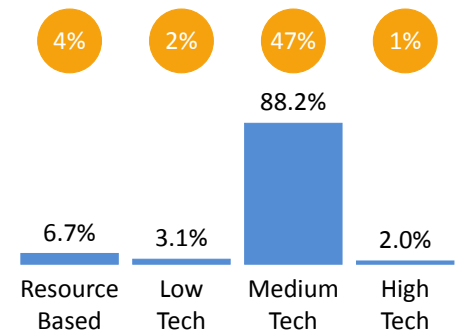
GDP: 10.6 billion | 2,023 per capita

Manufacturing value added: 890.9 million | 170 per capita

Manufacturing exports: 4,411 million | 863 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

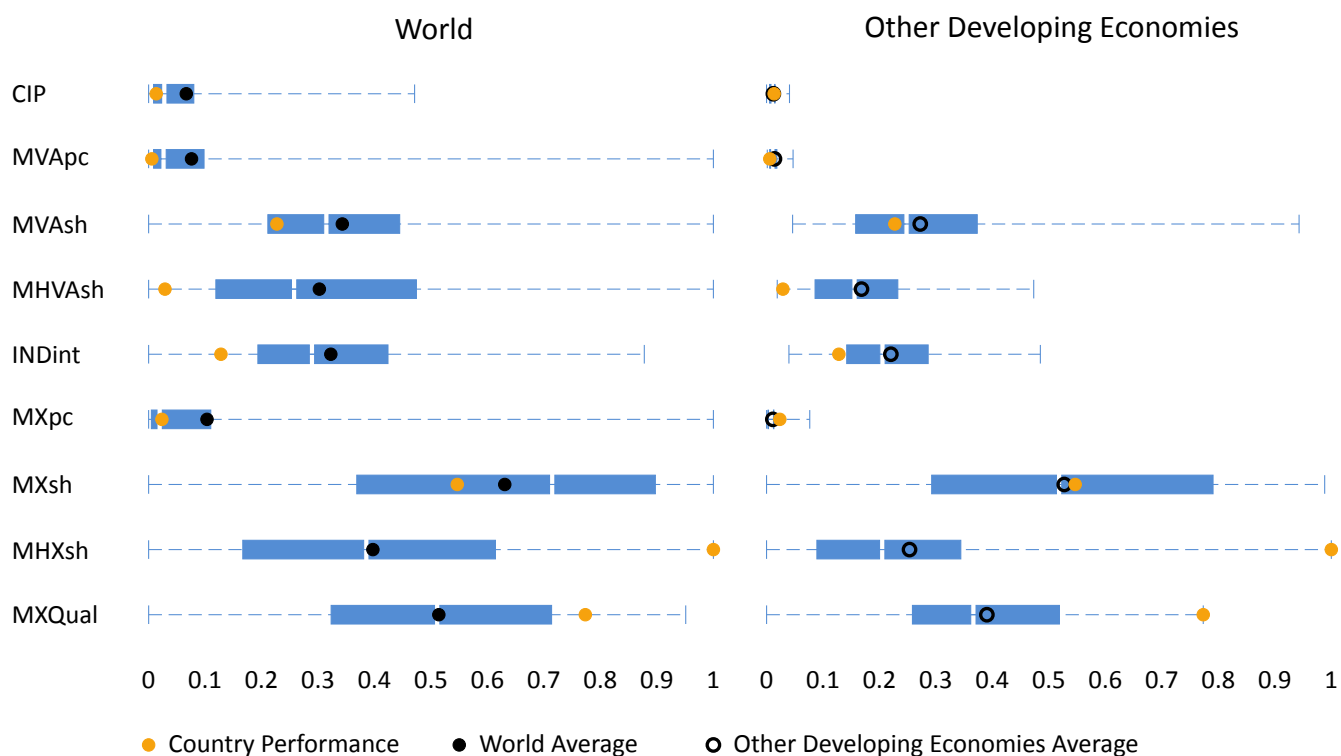


Performance indexes

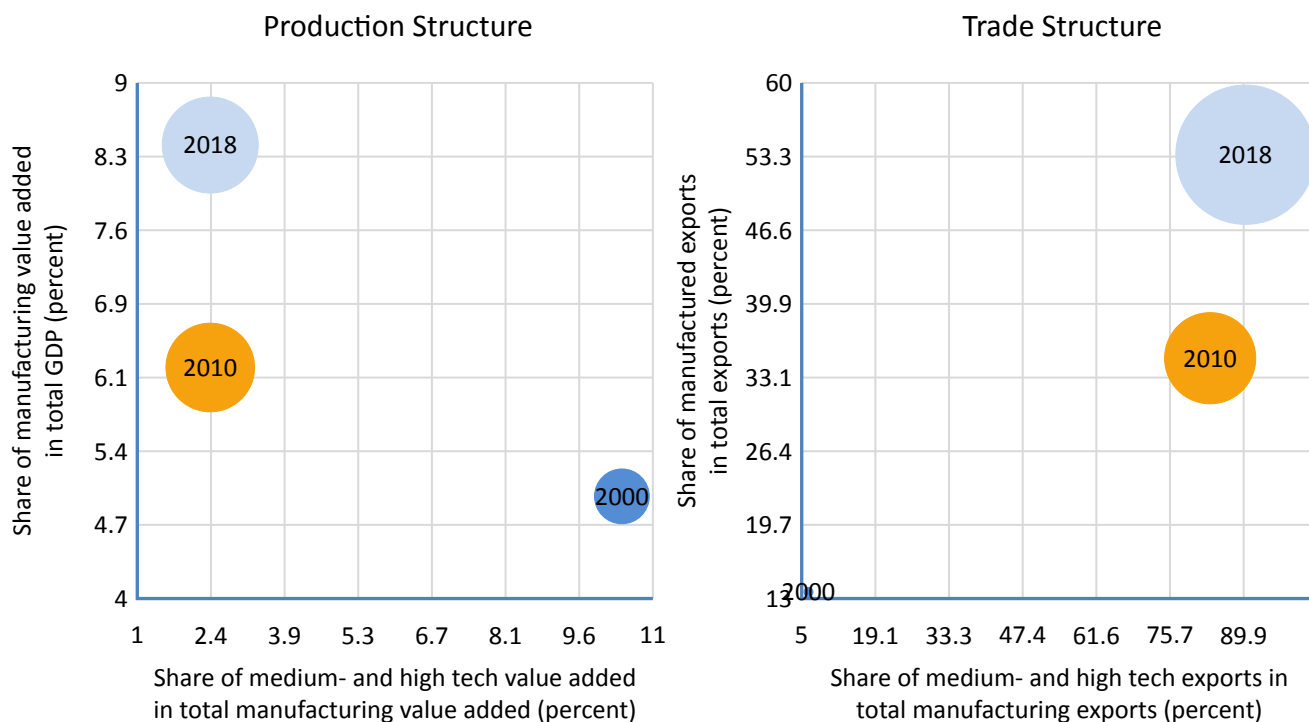
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	101	0.013	0.067	99 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	130	0.006	0.076	129	
Share of Manufacturing Value Added in GDP Index	109	0.227	0.343	111	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	147	0.029	0.302	147	
Industrialization Intensity Index	134	0.128	0.323	133	
Share of World Manufacturing Value Added Index	128	0.000	0.023	126	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	71	0.023	0.103	69	
Share of Manufacturing Exports in Total Exports Index	94	0.546	0.631	92	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	1	1.000	0.397	1	
Index Industrial Export Quality Index	24	0.773	0.514	25	
Share in World Manufacturing Export Index	86	0.002	0.039	86	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Costa Rica

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 66
(index of 152 countries)

Score **0.036**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

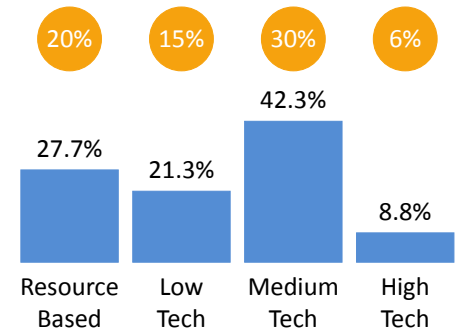
GDP: 60.4 billion | 12,086 per capita

Manufacturing value added: 6,835 million | 1,367 per capita

Manufacturing exports: 7,951 million | 1,590 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

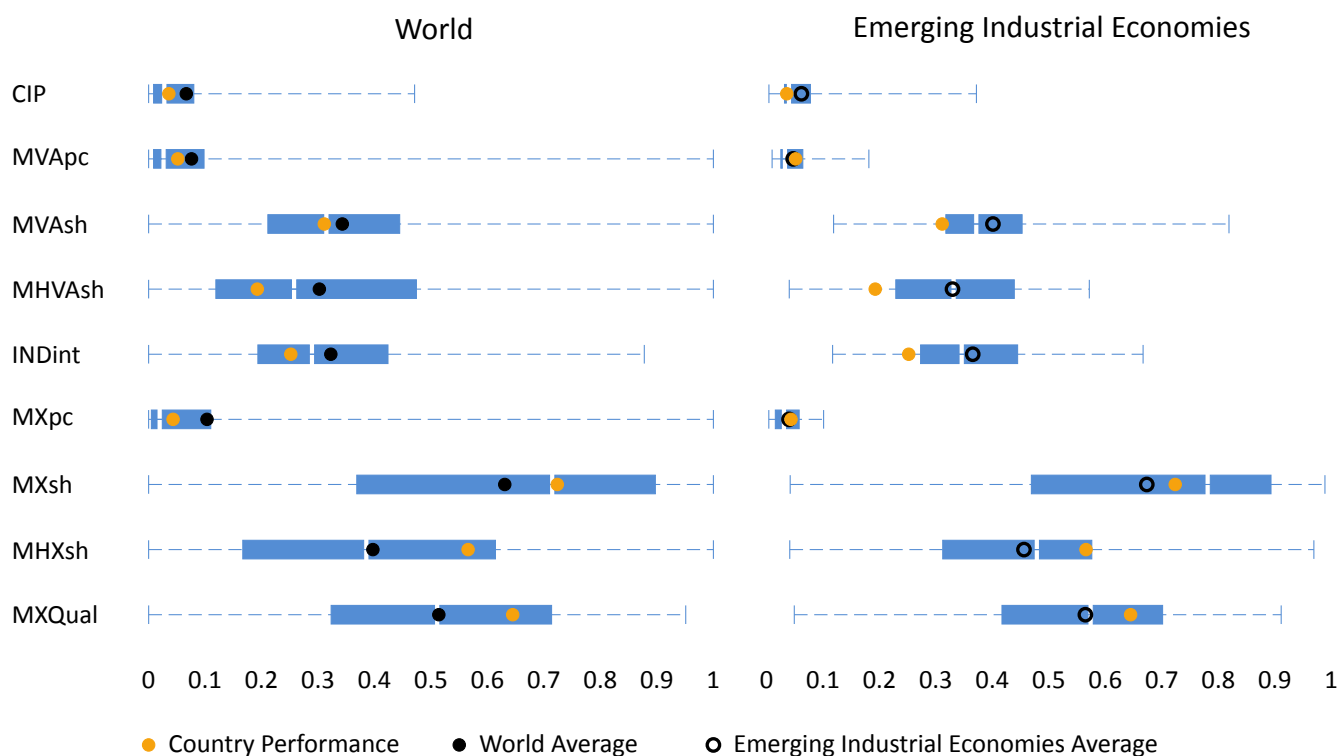


Performance indexes

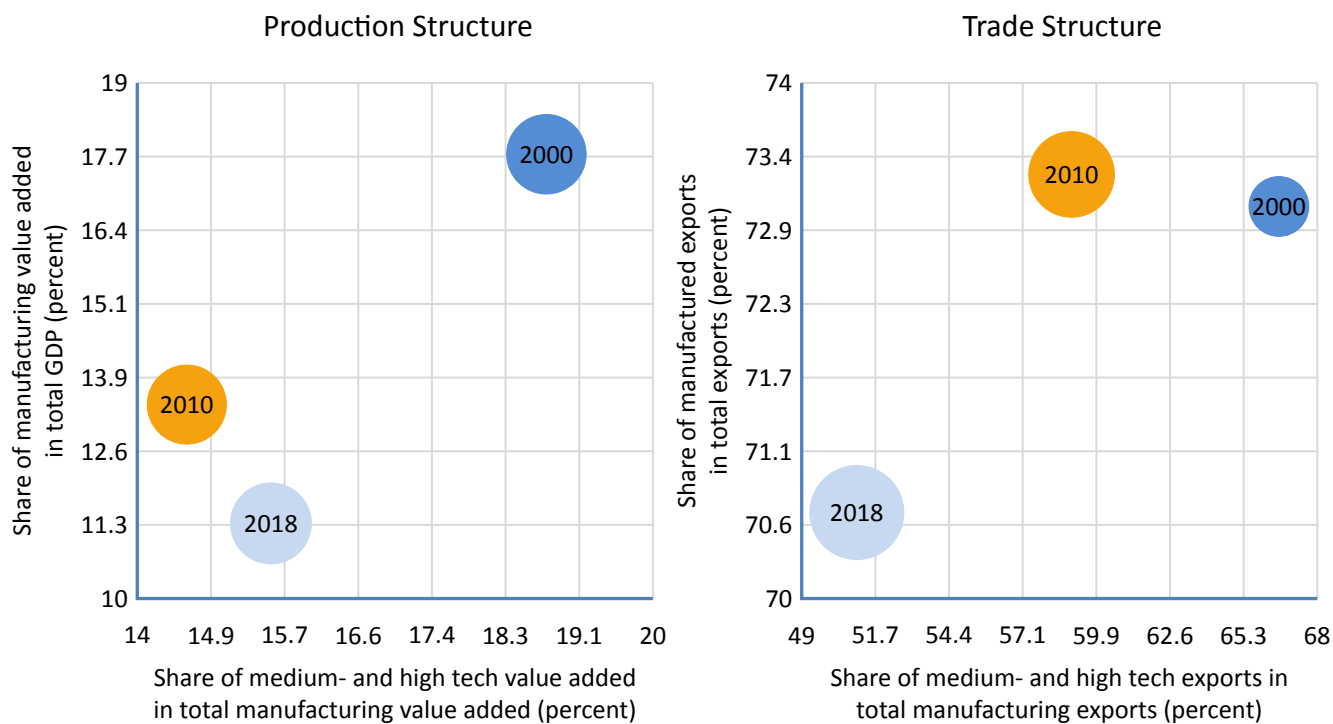
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	66	0.036	0.067	65 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	57	0.052	0.076	56	
Share of Manufacturing Value Added in GDP Index	78	0.311	0.343	76	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	97	0.192	0.302	97	
Industrialization Intensity Index	90	0.252	0.323	93	
Share of World Manufacturing Value Added Index	76	0.002	0.023	75	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	59	0.043	0.103	58	
Share of Manufacturing Exports in Total Exports Index	76	0.724	0.631	77	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	46	0.566	0.397	44	
Index Industrial Export Quality Index	51	0.645	0.514	52	
Share in World Manufacturing Export Index	77	0.003	0.039	75	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Côte d'Ivoire

Africa
Other Developing Economies
Lower Middle Income

RANK 105
(index of 152 countries)

Score **0.012**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

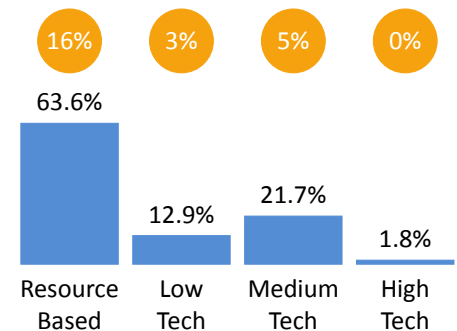
GDP: 41.4 billion | 1,650 per capita

Manufacturing value added: 5,571 million | 222 per capita

Manufacturing exports: 2,990 million | 119 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

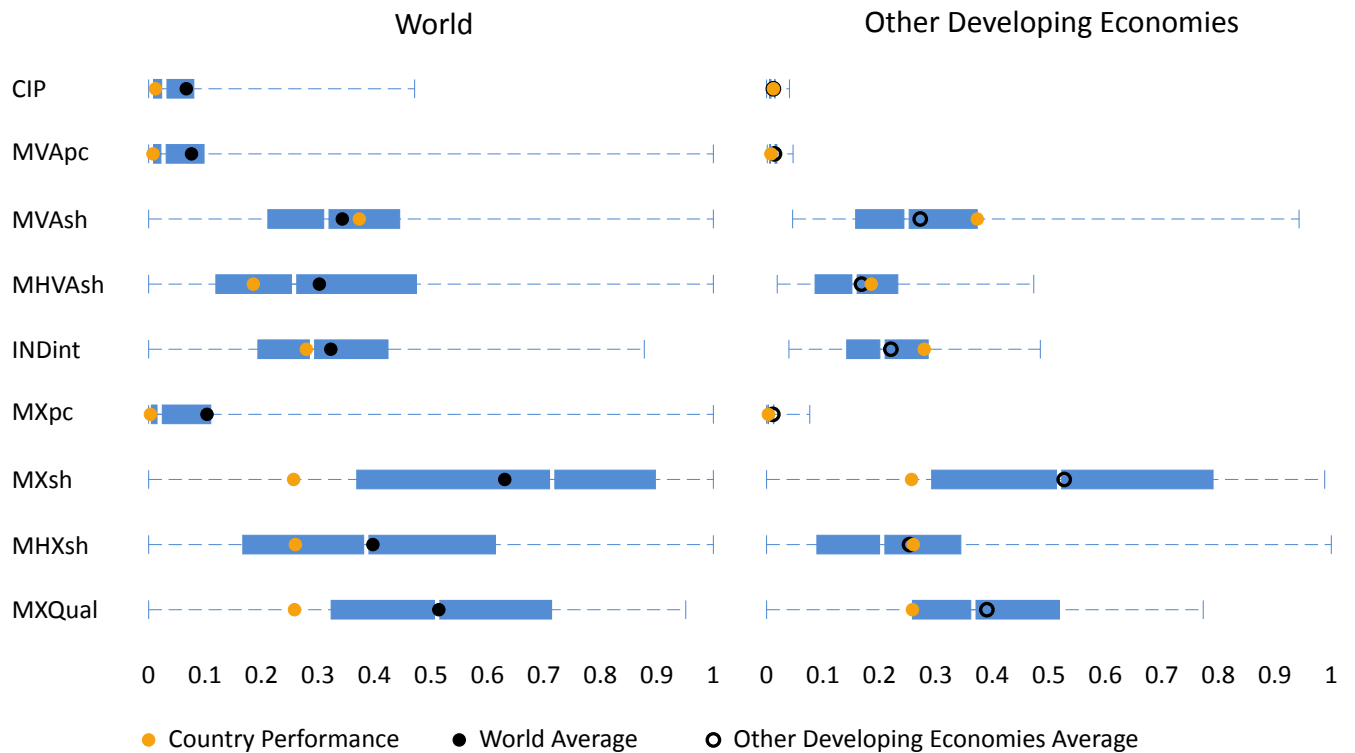


Performance indexes

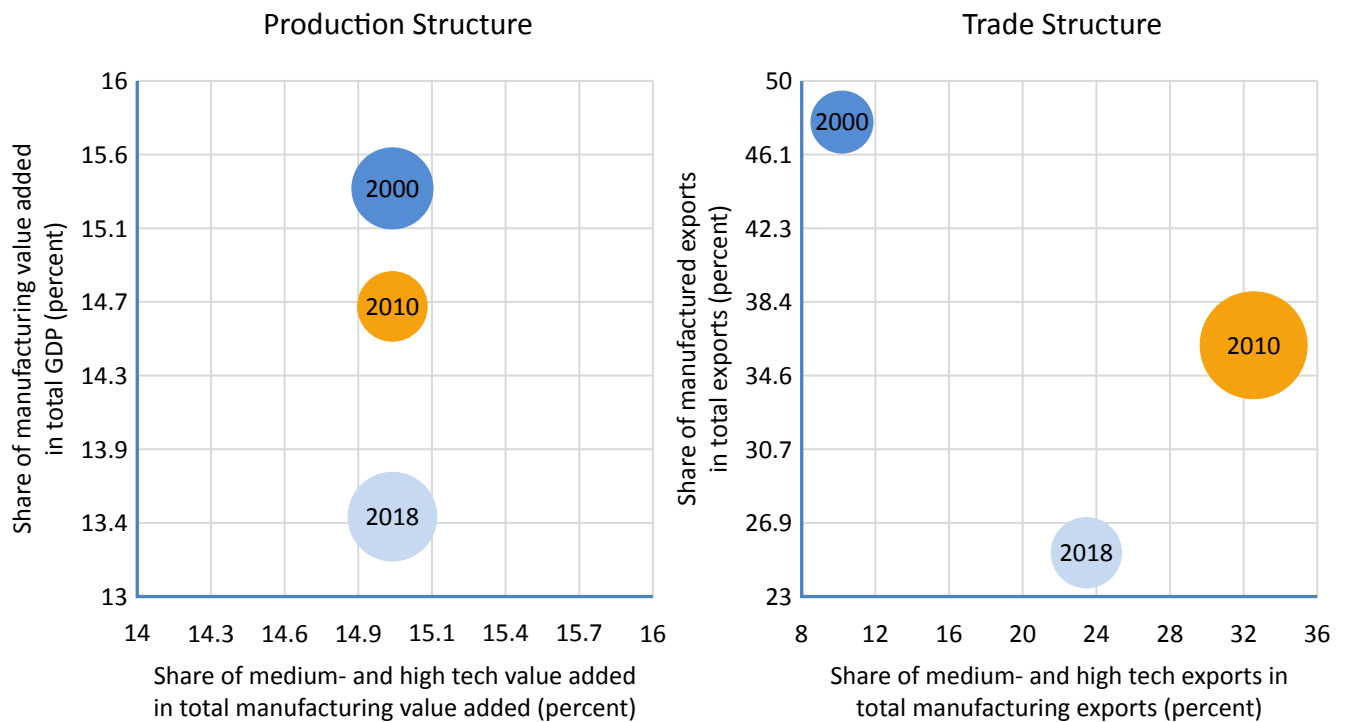
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	105	0.012	0.067	100 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	118	0.008	0.076	118	
Share of Manufacturing Value Added in GDP Index	56	0.373	0.343	57	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	98	0.185	0.302	100	
Industrialization Intensity Index	82	0.279	0.323	82	
Share of World Manufacturing Value Added Index	83	0.001	0.023	83	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	119	0.003	0.103	115	
Share of Manufacturing Exports in Total Exports Index	130	0.257	0.631	126	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	96	0.260	0.397	66	
Index Industrial Export Quality Index	129	0.258	0.514	103	
Share in World Manufacturing Export Index	93	0.001	0.039	89	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Croatia

Europe
Emerging Industrial Economies
High Income

RANK 57
(index of 152 countries)

Score **0.05**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

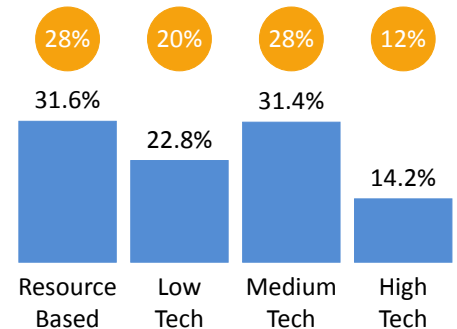
GDP: 54.2 billion | 13,029 per capita

Manufacturing value added: 6,824 million | 1,642 per capita

Manufacturing exports: 15.1 billion | 3,624 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

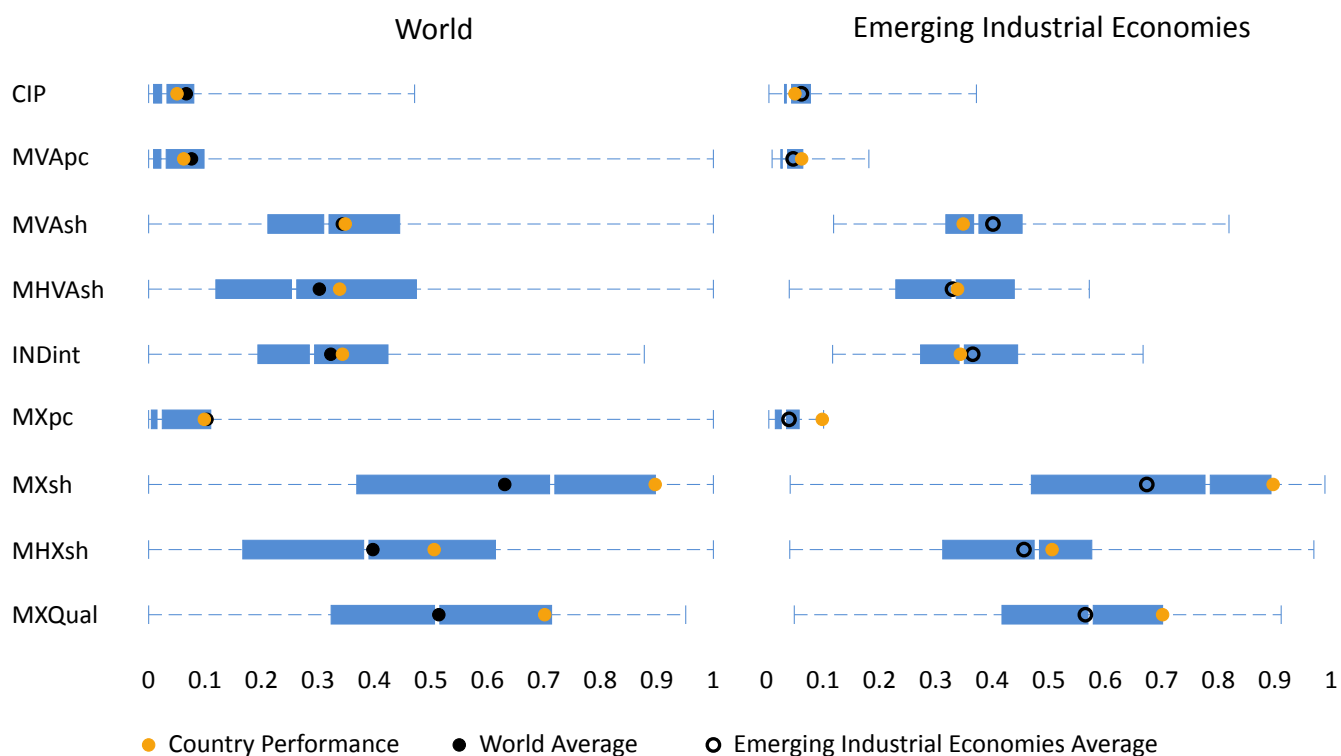


Performance indexes

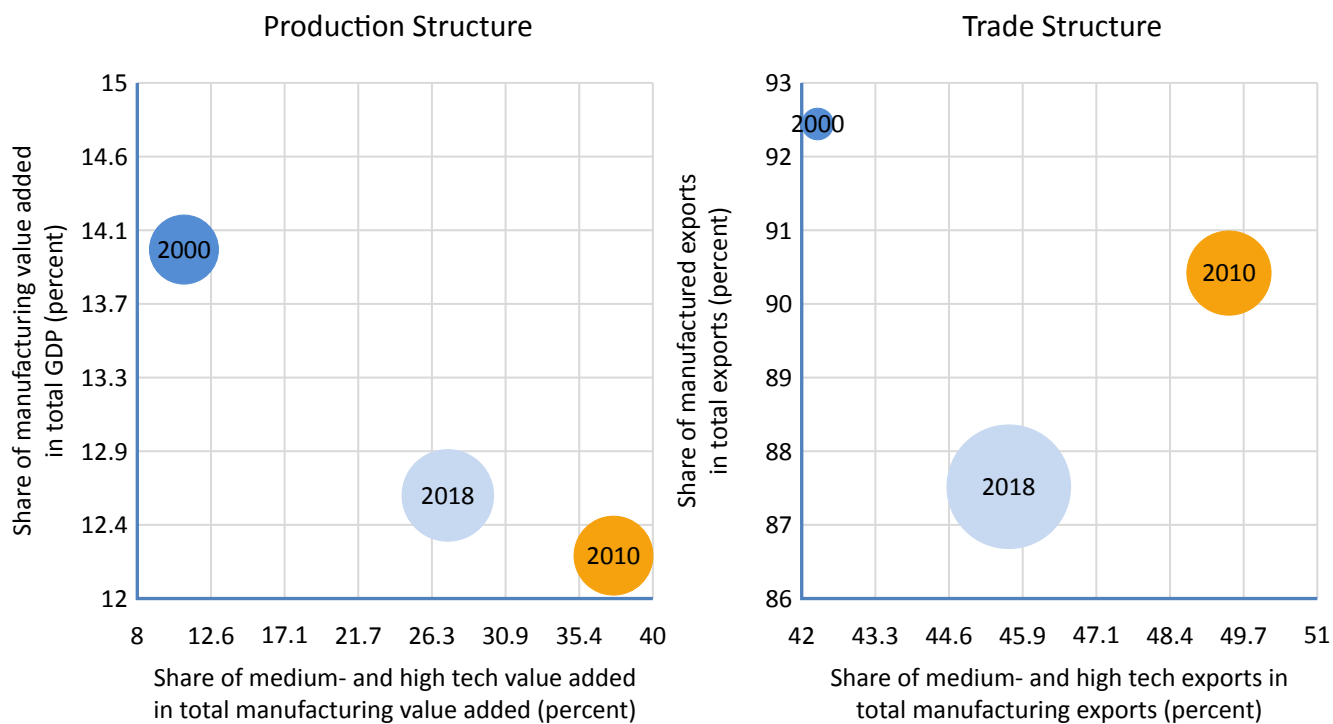
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	57	0.050	0.067	56 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	52	0.062	0.076	53	
Share of Manufacturing Value Added in GDP Index	65	0.348	0.343	64	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	59	0.338	0.302	54	
Industrialization Intensity Index	61	0.343	0.323	58	
Share of World Manufacturing Value Added Index	78	0.002	0.023	76	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	42	0.099	0.103	41	
Share of Manufacturing Exports in Total Exports Index	39	0.897	0.631	37	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	53	0.506	0.397	47	
Index Industrial Export Quality Index	43	0.701	0.514	41	
Share in World Manufacturing Export Index	61	0.006	0.039	60	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Cuba

Latin America
Other Developing Economies
Upper Middle Income

RANK 90
(index of 152 countries)

Score **0.017**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

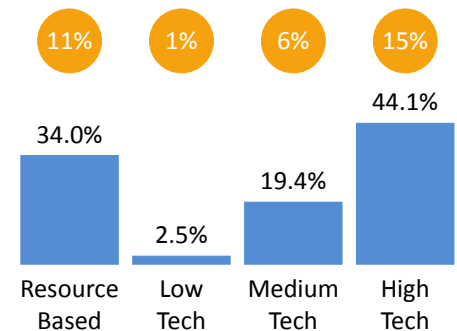
GDP: 89.2 billion | 7,869 per capita

Manufacturing value added: 12.1 billion | 1,067 per capita

Manufacturing exports: 981.0 million | 87.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

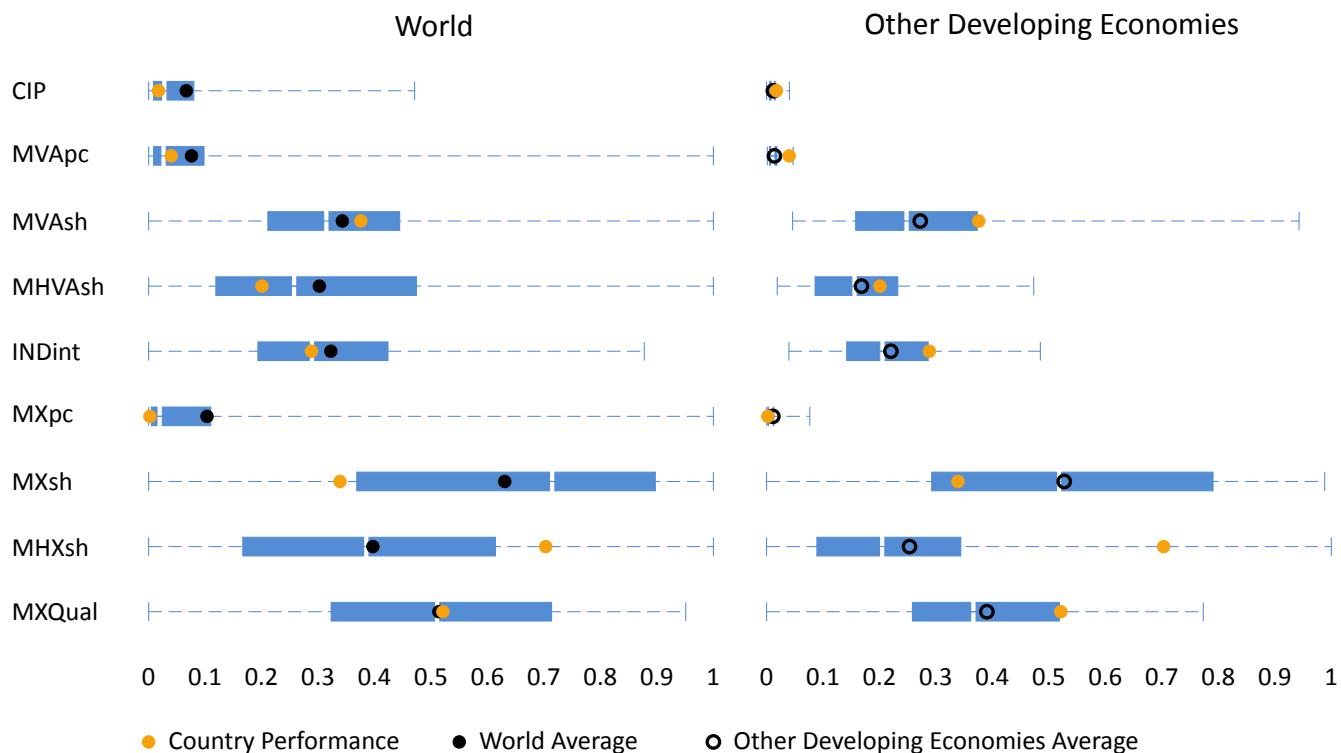


Performance indexes

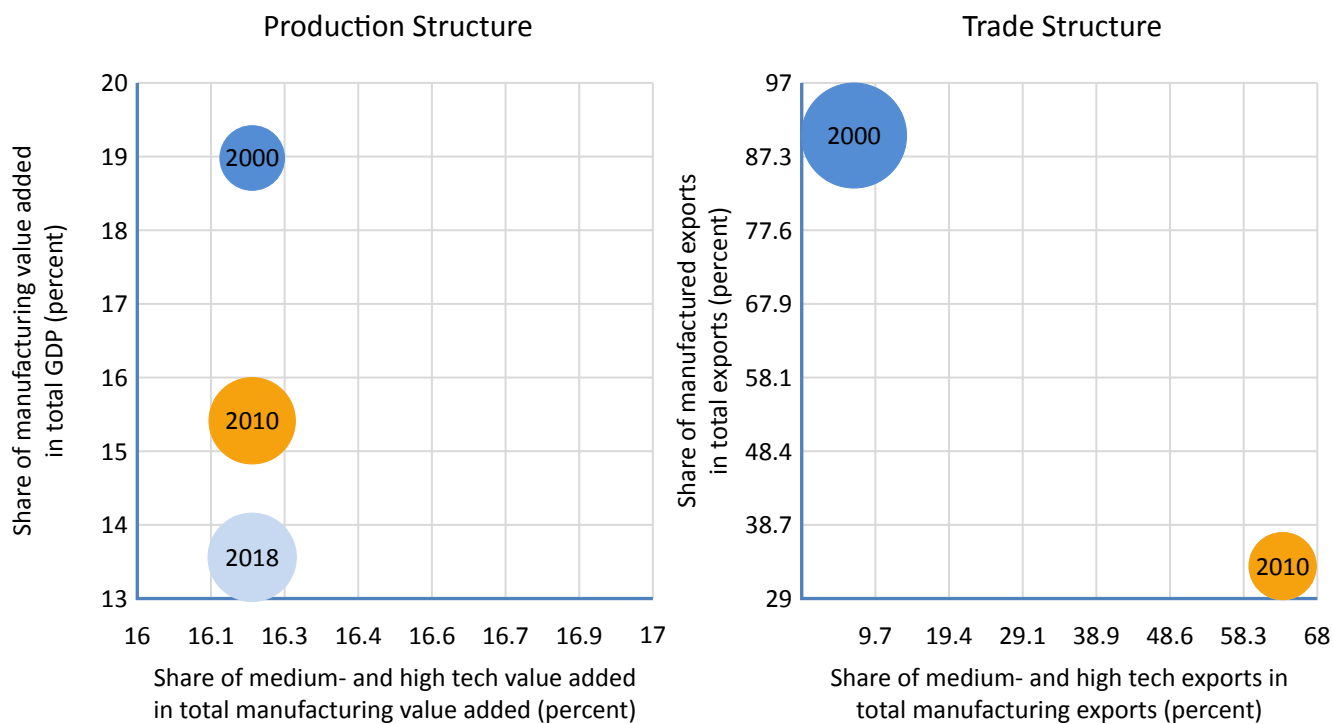
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	90	0.017	0.067	91 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	63	0.040	0.076	63	
Share of Manufacturing Value Added in GDP Index	54	0.376	0.343	55	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	92	0.201	0.302	93	
Industrialization Intensity Index	77	0.288	0.323	78	
Share of World Manufacturing Value Added Index	65	0.003	0.023	64	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	127	0.002	0.103	122	
Share of Manufacturing Exports in Total Exports Index	119	0.339	0.631	116	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	21	0.703	0.397	20	
Index Industrial Export Quality Index	72	0.521	0.514	70	
Share in World Manufacturing Export Index	112	0.001	0.039	109	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Cyprus

Europe
Emerging Industrial Economies
High Income

RANK 91
(index of 152 countries)

Score **0.017**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

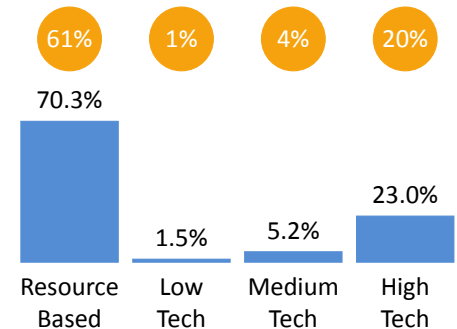
GDP: 22.3 billion | 18,781 per capita

Manufacturing value added: 1,034 million | 870 per capita

Manufacturing exports: 1,611 million | 1,354 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

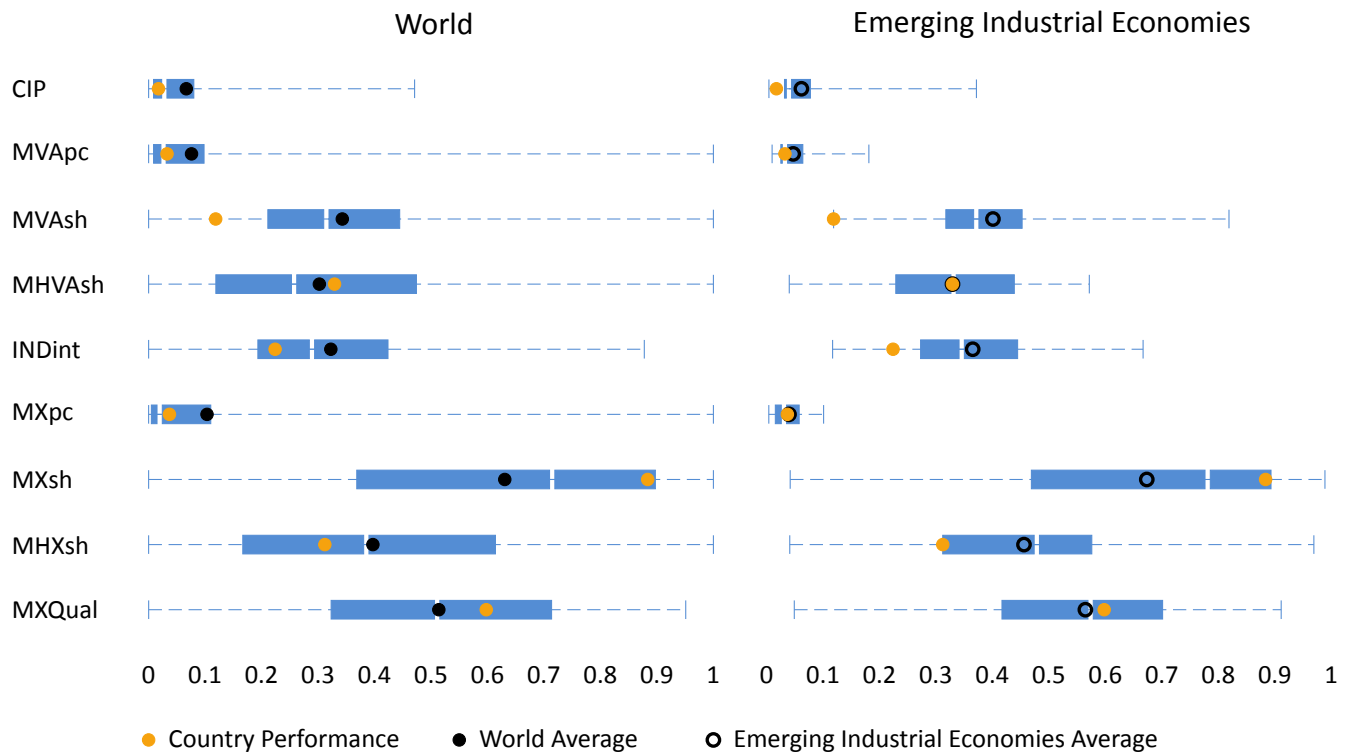


Performance indexes

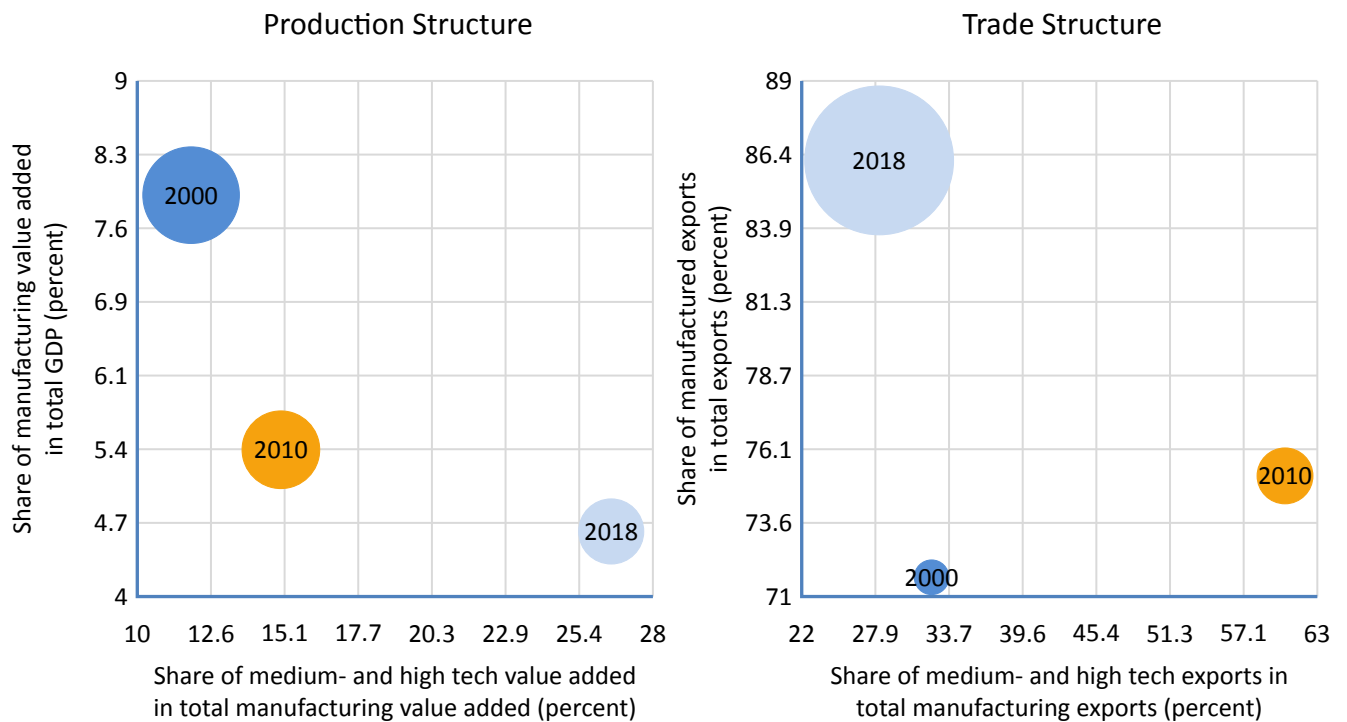
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	91	0.017	0.067	93 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	67	0.033	0.076	67	
Share of Manufacturing Value Added in GDP Index	141	0.119	0.343	141	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	63	0.329	0.302	51	
Industrialization Intensity Index	101	0.224	0.323	89	
Share of World Manufacturing Value Added Index	124	0.000	0.023	124	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	62	0.037	0.103	67	
Share of Manufacturing Exports in Total Exports Index	44	0.884	0.631	57	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	87	0.312	0.397	79	
Index Industrial Export Quality Index	60	0.598	0.514	57	
Share in World Manufacturing Export Index	110	0.001	0.039	116	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Czechia

Europe
Industrialized Economies
High Income

RANK 16
(index of 152 countries)

Score **0.202**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

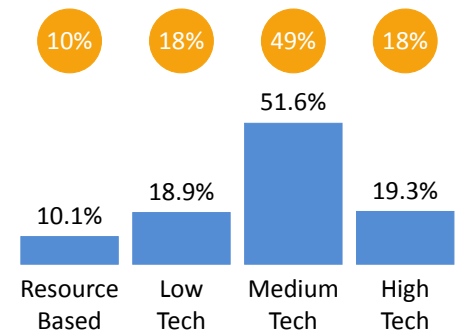
GDP: 205.5 billion | 19,269 per capita

Manufacturing value added: 54.9 billion | 5,144 per capita

Manufacturing exports: 192.8 billion | 18,073 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

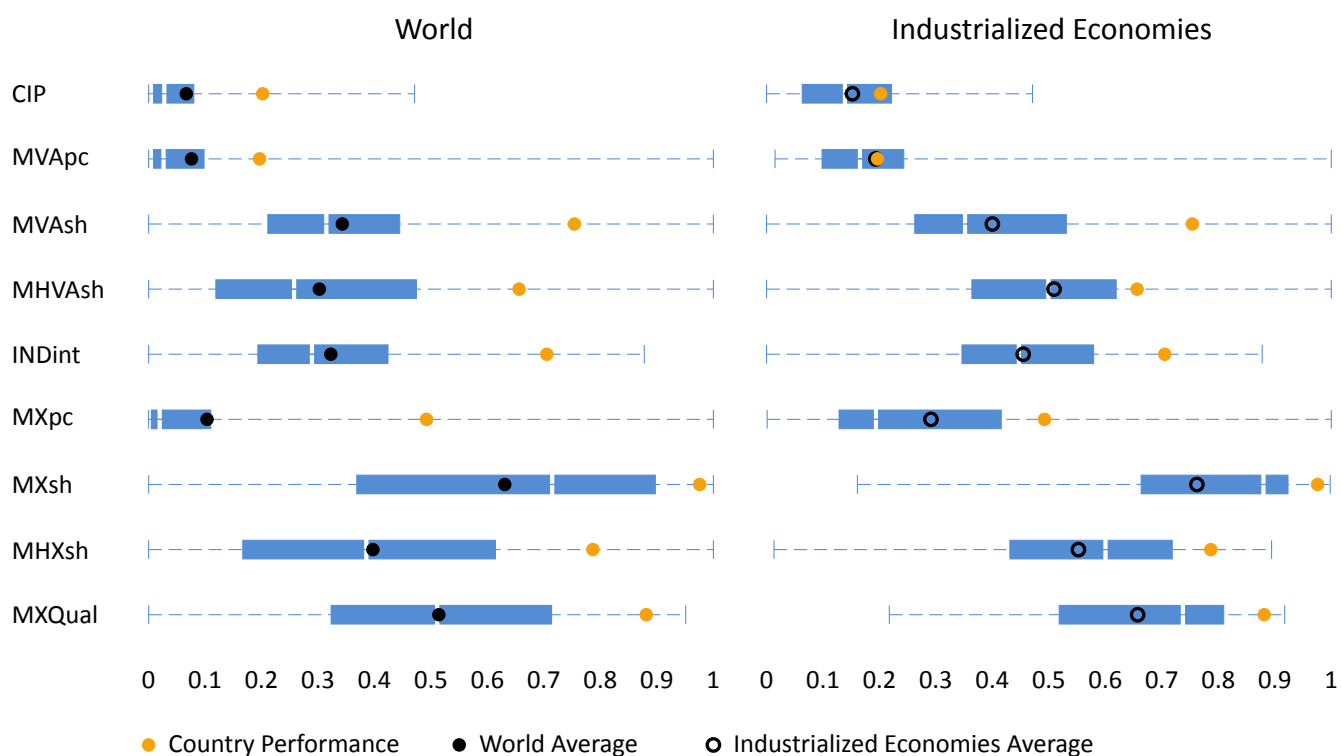


Performance indexes

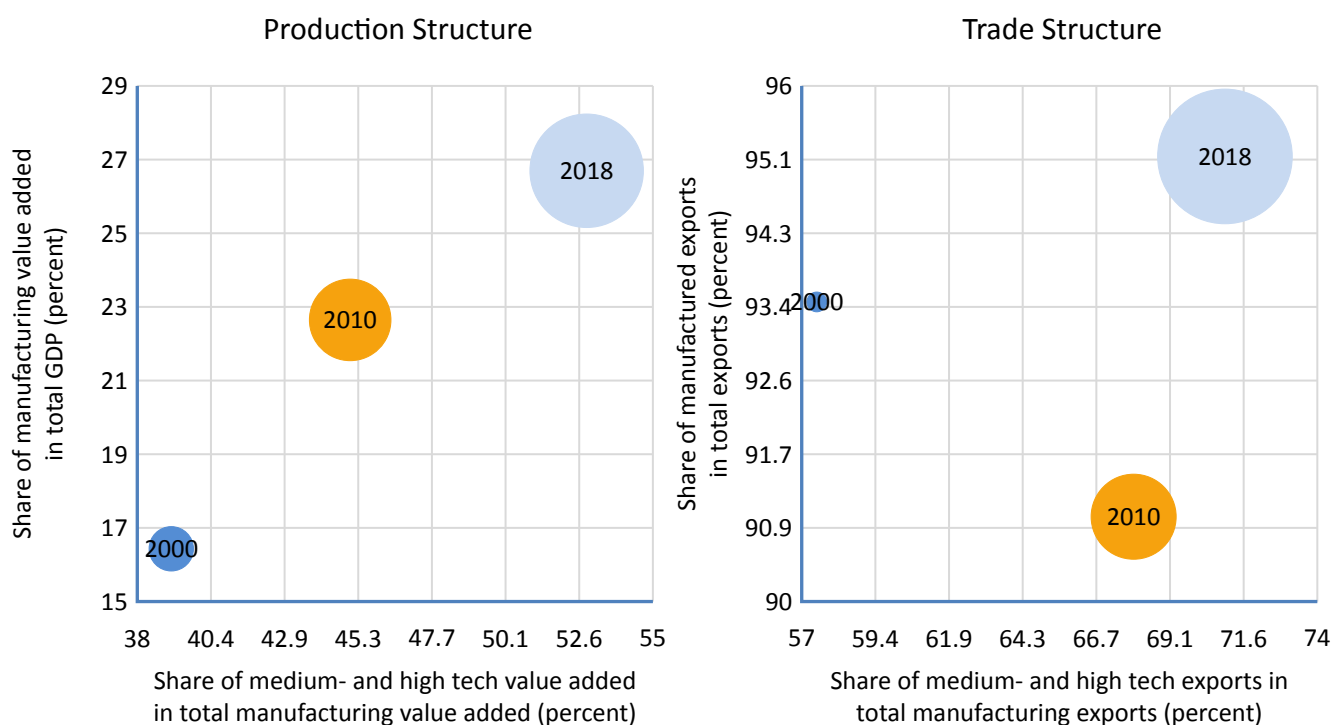
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	16	0.202	0.067	16 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	17	0.197	0.076	19	
Share of Manufacturing Value Added in GDP Index	7	0.754	0.343	7	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	10	0.656	0.302	11	
Industrialization Intensity Index	5	0.705	0.323	5	
Share of World Manufacturing Value Added Index	33	0.014	0.023	34	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	7	0.492	0.103	7	
Share of Manufacturing Exports in Total Exports Index	9	0.976	0.631	10	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	12	0.787	0.397	14	
Index Industrial Export Quality Index	8	0.881	0.514	9	
Share in World Manufacturing Export Index	22	0.080	0.039	22	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Denmark

Europe
Industrialized Economies
High Income

RANK 21
(index of 152 countries)

Score **0.162**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

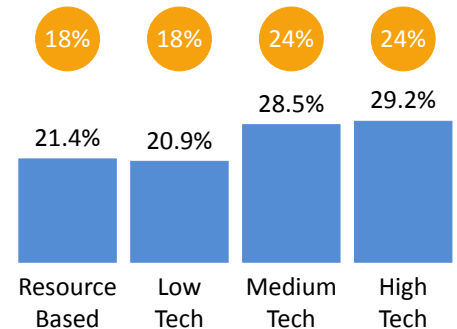
GDP: 321.7 billion | 55,922 per capita

Manufacturing value added: 40.8 billion | 7,093 per capita

Manufacturing exports: 90.8 billion | 15,786 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

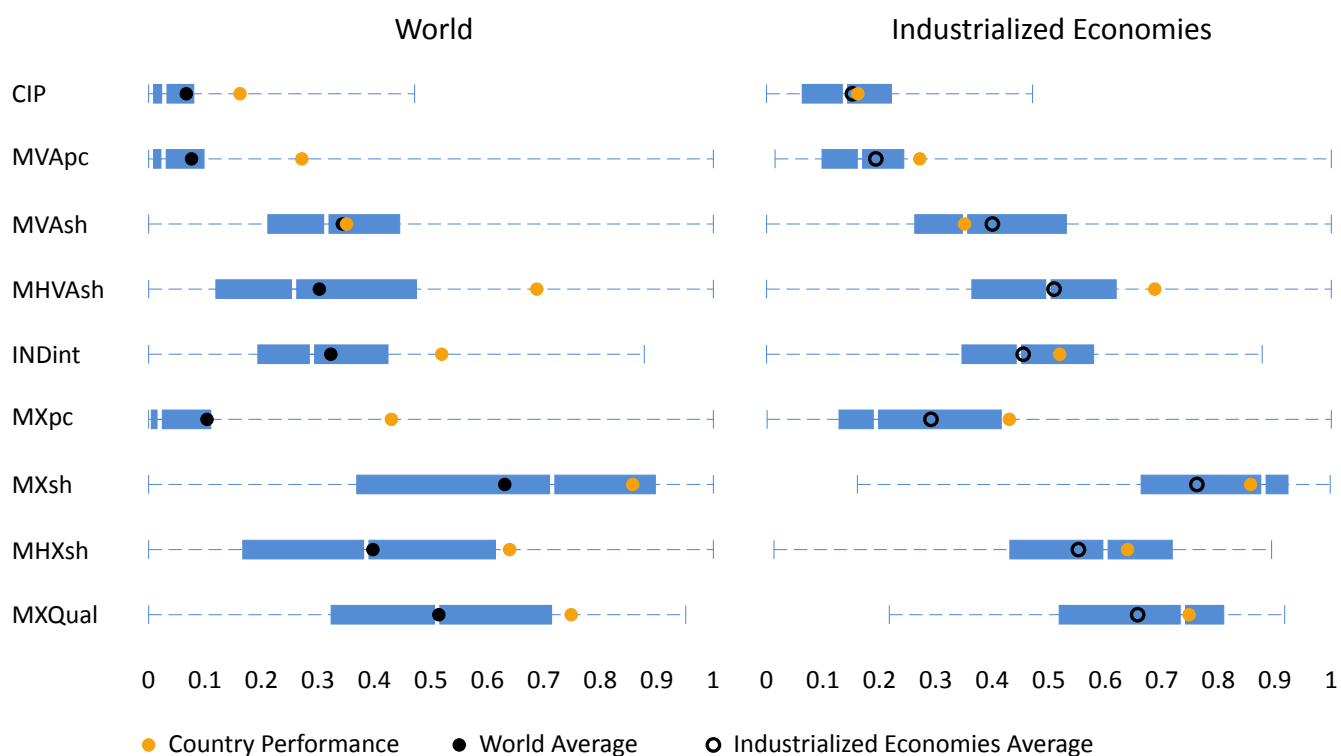


Performance indexes

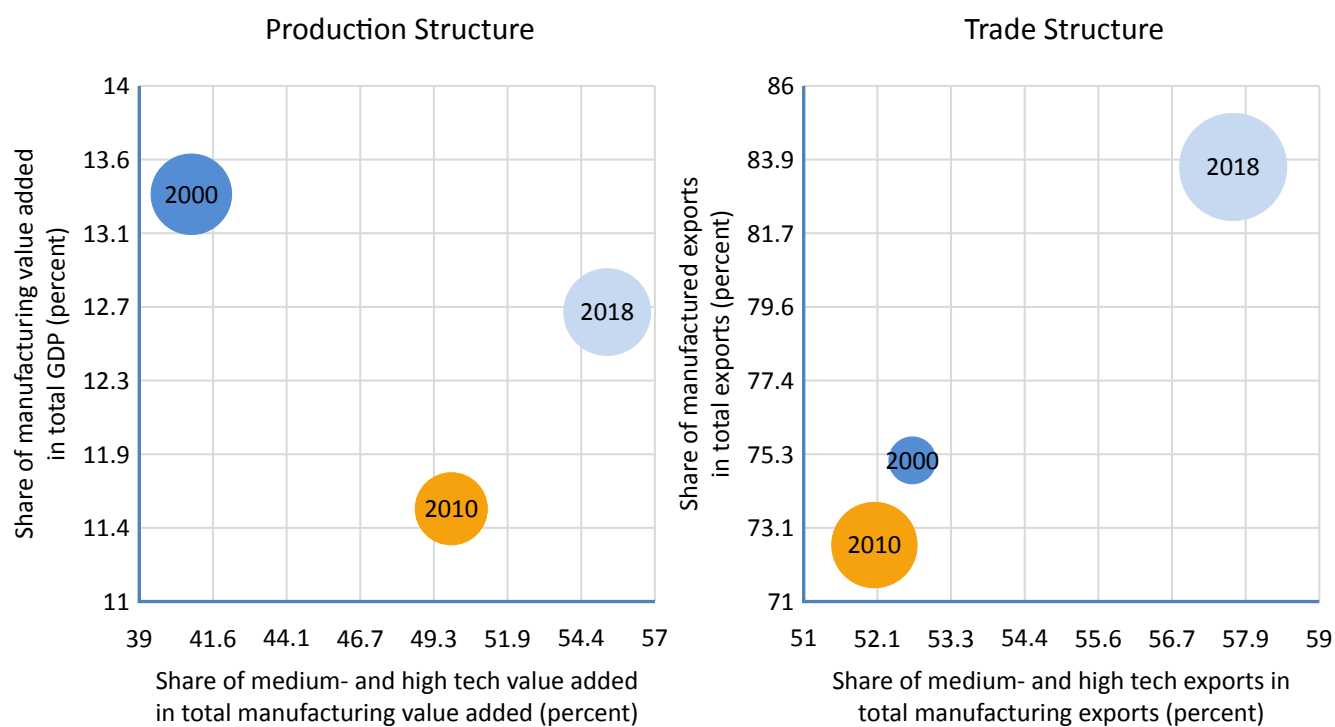
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	21	0.162	0.067	21 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	10	0.271	0.076	10	
Share of Manufacturing Value Added in GDP Index	62	0.351	0.343	62	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	8	0.687	0.302	8	
Industrialization Intensity Index	20	0.519	0.323	20	
Share of World Manufacturing Value Added Index	38	0.010	0.023	38	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	12	0.430	0.103	10	
Share of Manufacturing Exports in Total Exports Index	55	0.857	0.631	55	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	34	0.639	0.397	32	
Index Industrial Export Quality Index	31	0.748	0.514	31	
Share in World Manufacturing Export Index	32	0.038	0.039	32	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Ecuador

Latin America
Other Developing Economies
Upper Middle Income

RANK 86
(index of 152 countries)

Score **0.02**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

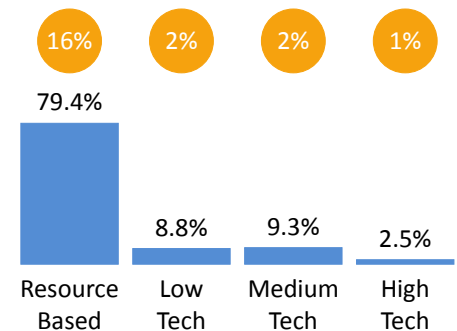
GDP: 102.0 billion | 5,973 per capita

Manufacturing value added: 14.5 billion | 850 per capita

Manufacturing exports: 4,421 million | 259 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

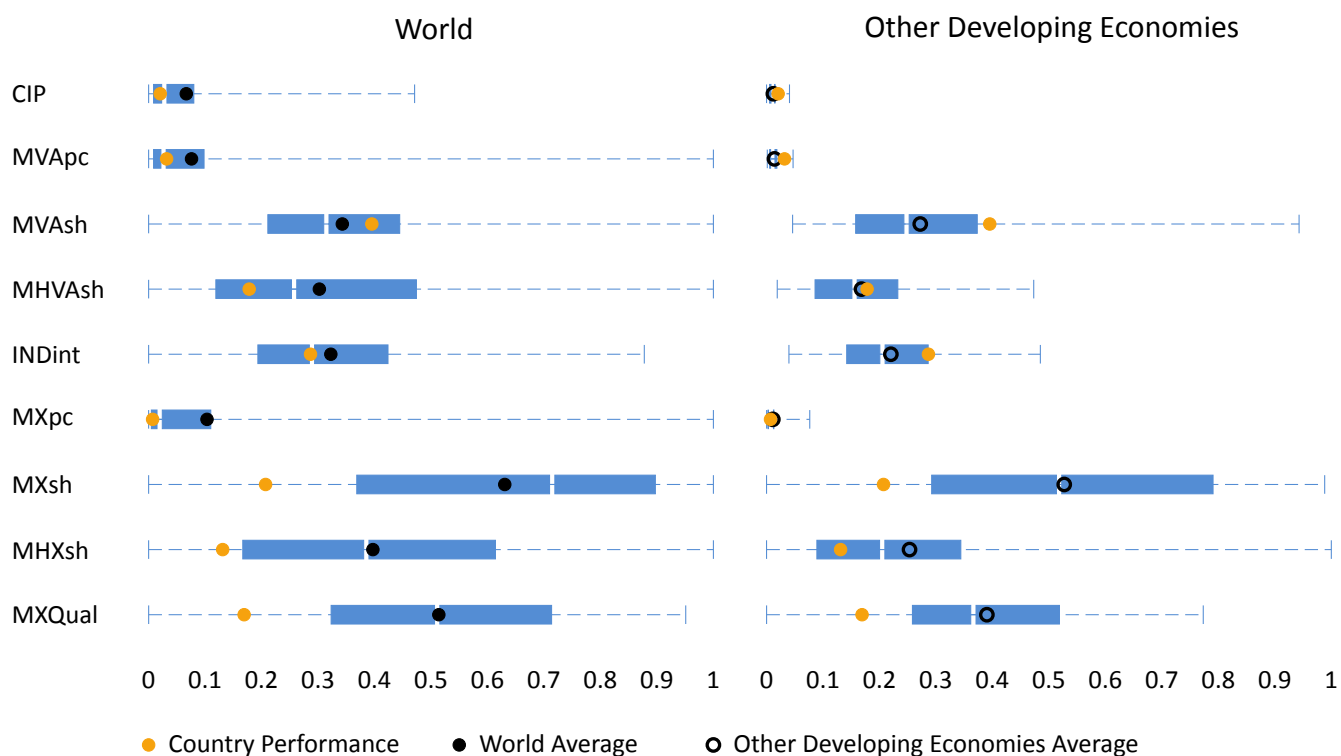


Performance indexes

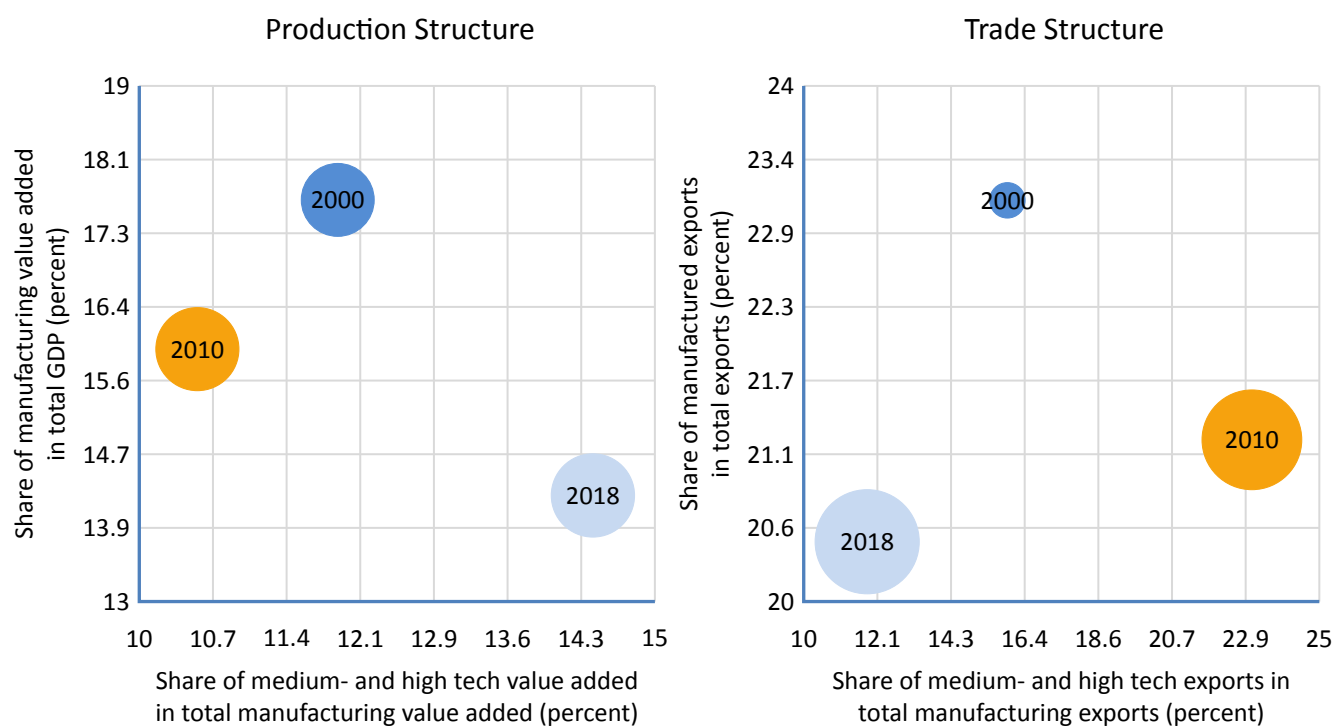
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	86	0.020	0.067	85 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	68	0.032	0.076	68	
Share of Manufacturing Value Added in GDP Index	52	0.395	0.343	51	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	101	0.178	0.302	95	
Industrialization Intensity Index	78	0.287	0.323	76	
Share of World Manufacturing Value Added Index	61	0.004	0.023	60	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	108	0.007	0.103	106	
Share of Manufacturing Exports in Total Exports Index	134	0.207	0.631	132	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	124	0.131	0.397	123	
Index Industrial Export Quality Index	144	0.169	0.514	141	
Share in World Manufacturing Export Index	87	0.002	0.039	87	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Egypt

Africa
Emerging Industrial Economies
Lower Middle Income

RANK 64
(index of 152 countries)

Score **0.037**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

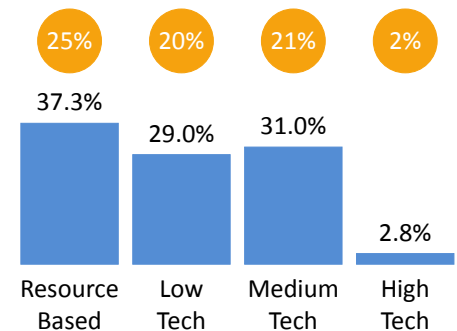
GDP: 363.8 billion | 3,696 per capita

Manufacturing value added: 57.7 billion | 586 per capita

Manufacturing exports: 17.9 billion | 185 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

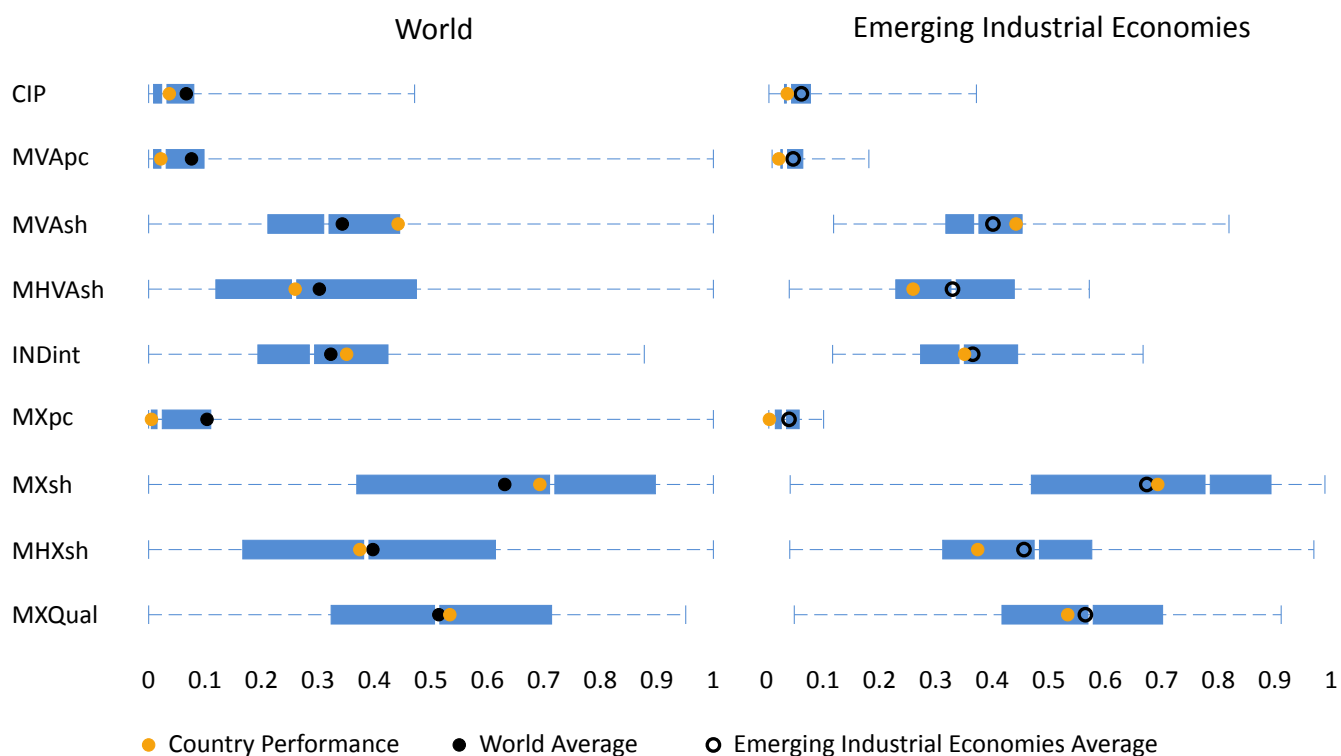


Performance indexes

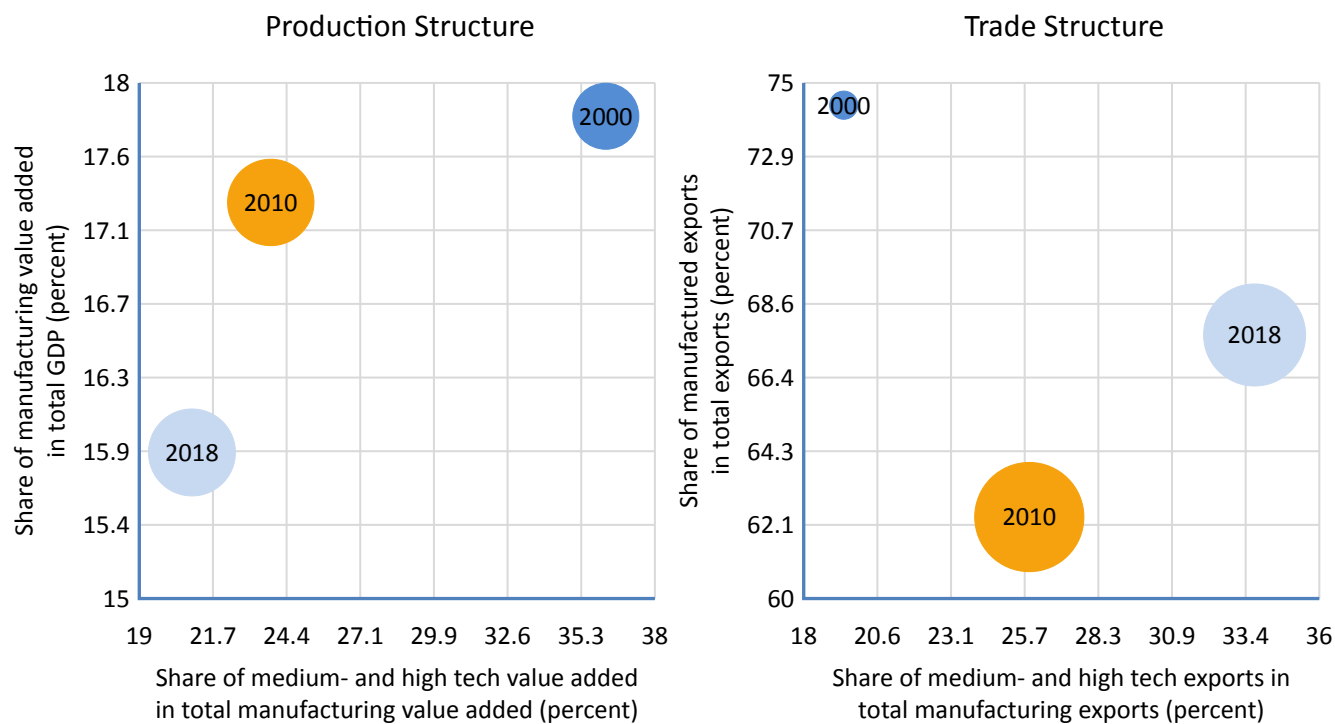
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	64	0.037	0.067	64 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	86	0.022	0.076	86	
Share of Manufacturing Value Added in GDP Index	40	0.442	0.343	41	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	76	0.259	0.302	80	
Industrialization Intensity Index	59	0.351	0.323	60	
Share of World Manufacturing Value Added Index	32	0.015	0.023	33	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	114	0.005	0.103	113	
Share of Manufacturing Exports in Total Exports Index	80	0.693	0.631	80	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	79	0.374	0.397	77	
Index Industrial Export Quality Index	68	0.533	0.514	67	
Share in World Manufacturing Export Index	56	0.008	0.039	56	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

El Salvador

Latin America
Other Developing Economies
Lower Middle Income

RANK 81
(index of 152 countries)

Score **0.025**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

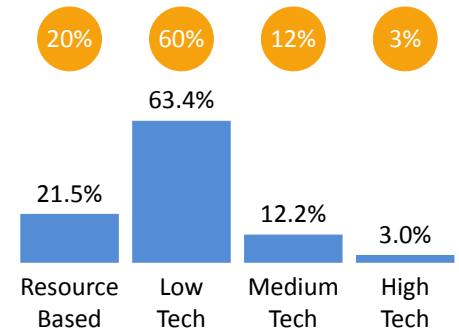
GDP: 24.9 billion | 3,883 per capita

Manufacturing value added: 3,998 million | 623 per capita

Manufacturing exports: 5,604 million | 873 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

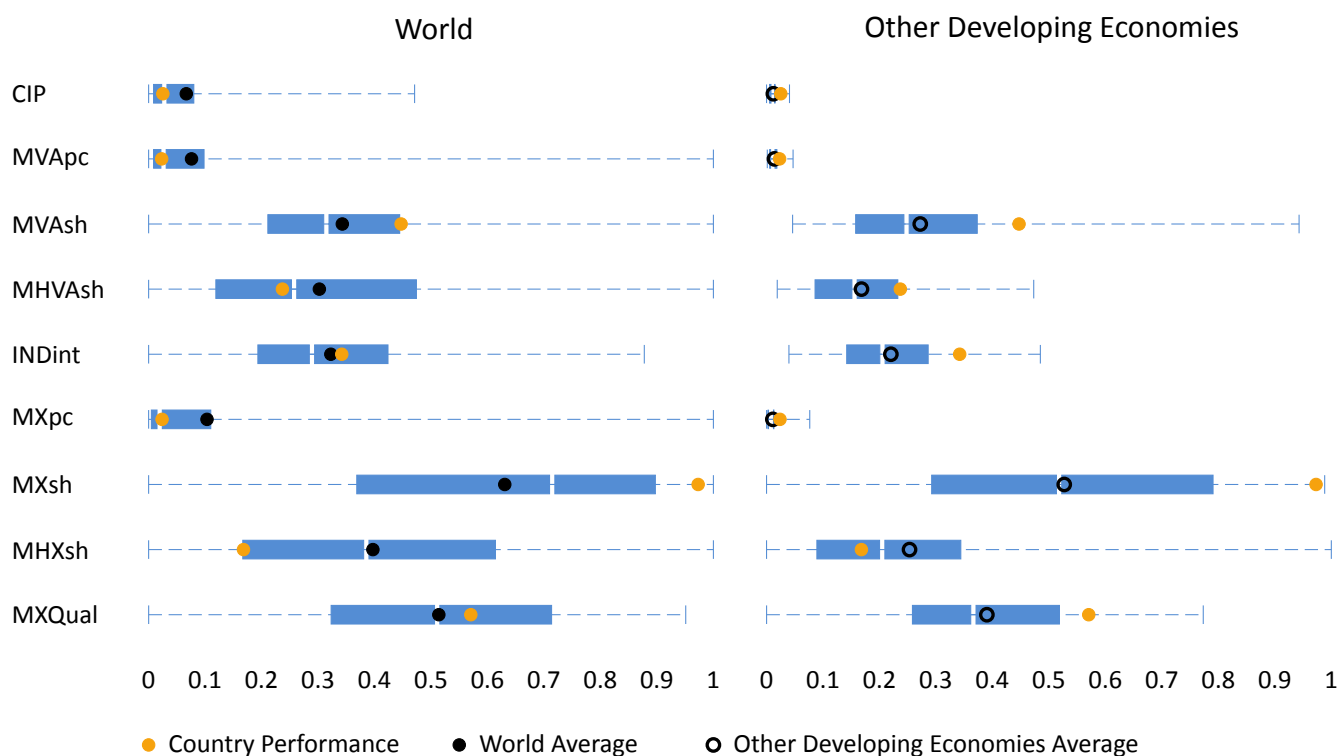


Performance indexes

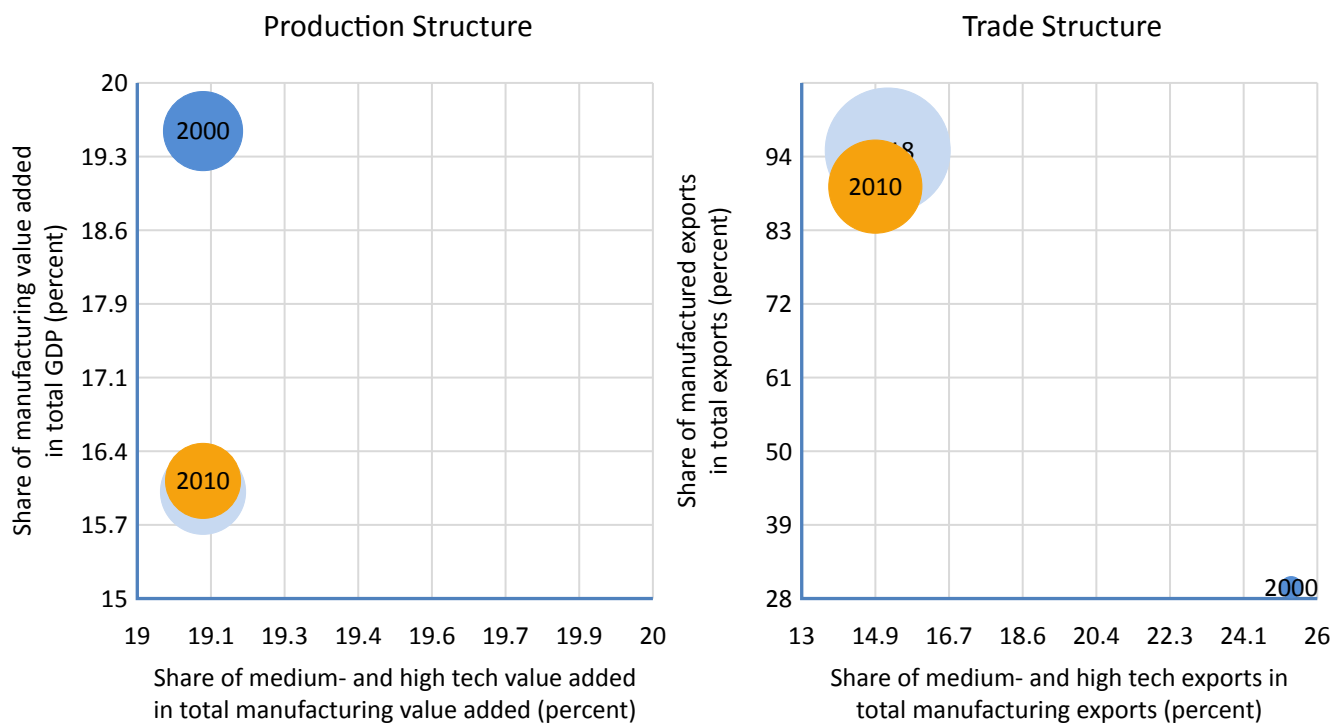
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	81	0.025	0.067	80 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	83	0.023	0.076	83	
Share of Manufacturing Value Added in GDP Index	38	0.447	0.343	37	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	81	0.237	0.302	85	
Industrialization Intensity Index	63	0.342	0.323	64	
Share of World Manufacturing Value Added Index	87	0.001	0.023	87	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	70	0.024	0.103	70	
Share of Manufacturing Exports in Total Exports Index	10	0.973	0.631	11	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	114	0.168	0.397	114	
Index Industrial Export Quality Index	65	0.570	0.514	63	
Share in World Manufacturing Export Index	84	0.002	0.039	81	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Eritrea

Africa
Least Developed Countries
Low Income

RANK 149
(index of 152 countries)

Score **0**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

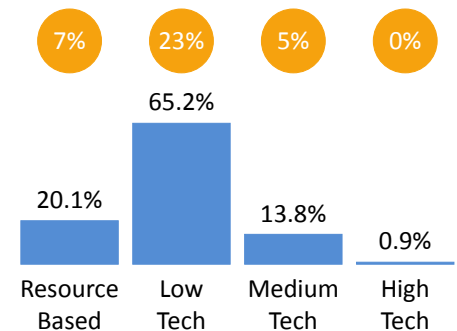
GDP: 5,330 million | 1,544 per capita

Manufacturing value added: 332.4 million | 96.3 per capita

Manufacturing exports: 2.0 million | 1.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

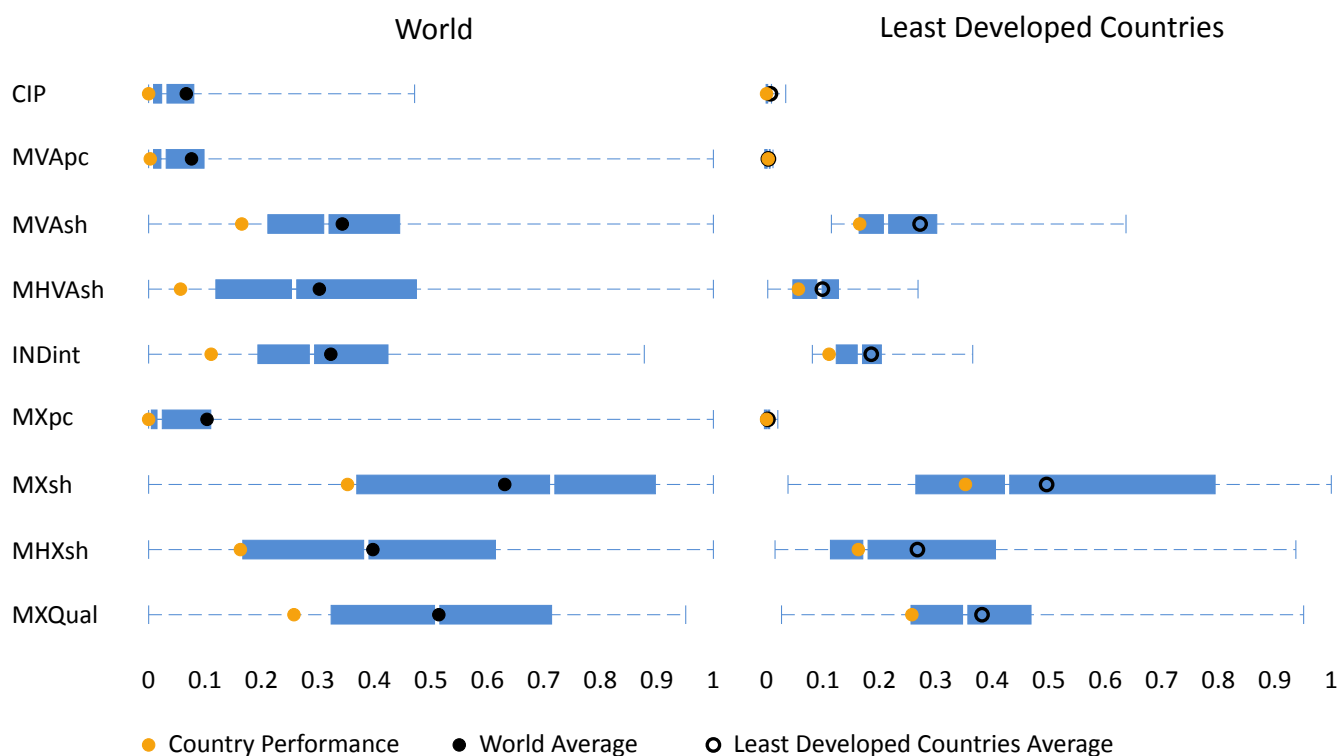


Performance indexes

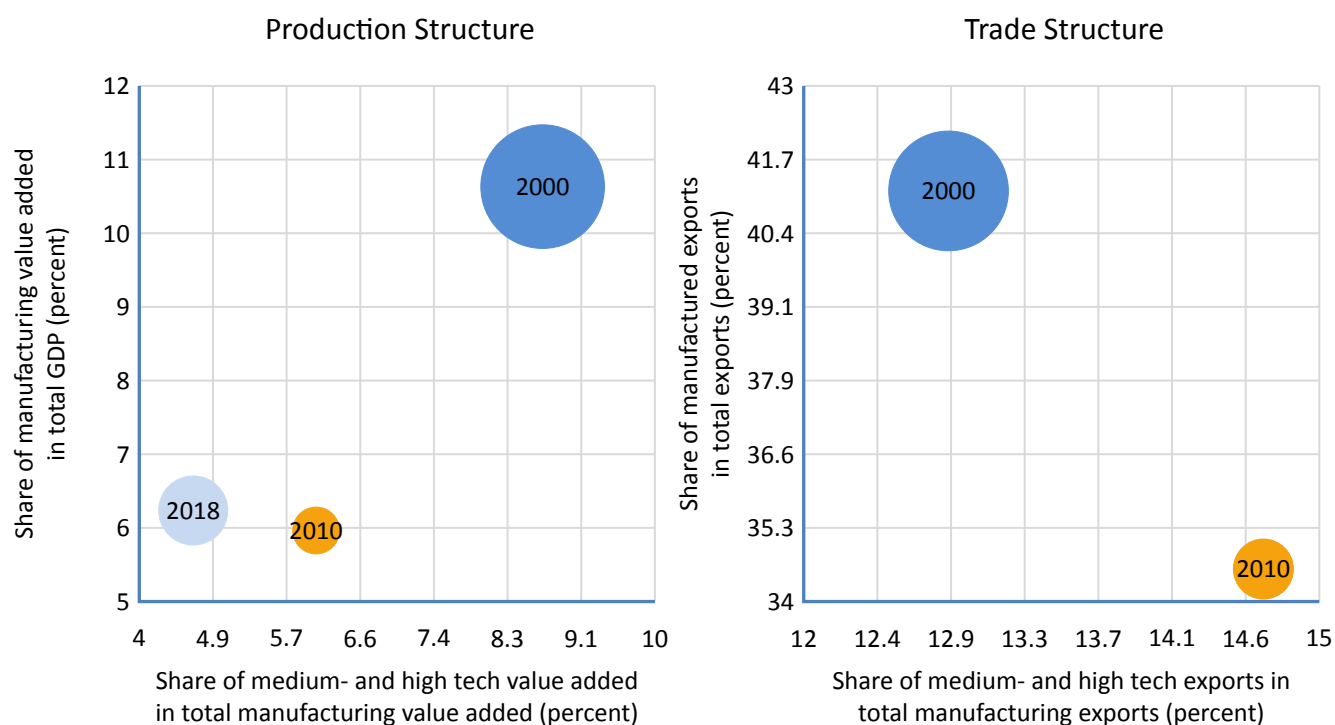
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	149	0.000	0.067	149 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	134	0.003	0.076	135	
Share of Manufacturing Value Added in GDP Index	126	0.165	0.343	129	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	136	0.056	0.302	136	
Industrialization Intensity Index	142	0.111	0.323	141	
Share of World Manufacturing Value Added Index	141	0.000	0.023	142	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	152	0.000	0.103	152	
Share of Manufacturing Exports in Total Exports Index	116	0.352	0.631	114	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	116	0.162	0.397	115	
Index Industrial Export Quality Index	130	0.257	0.514	127	
Share in World Manufacturing Export Index	151	0.000	0.039	151	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Estonia

Europe
Industrialized Economies
High Income

RANK 48
(index of 152 countries)

Score **0.06**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

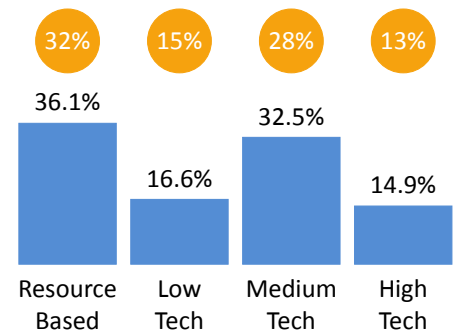
GDP: 25.3 billion | 19,125 per capita

Manufacturing value added: 3,429 million | 2,592 per capita

Manufacturing exports: 15.6 billion | 11,826 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

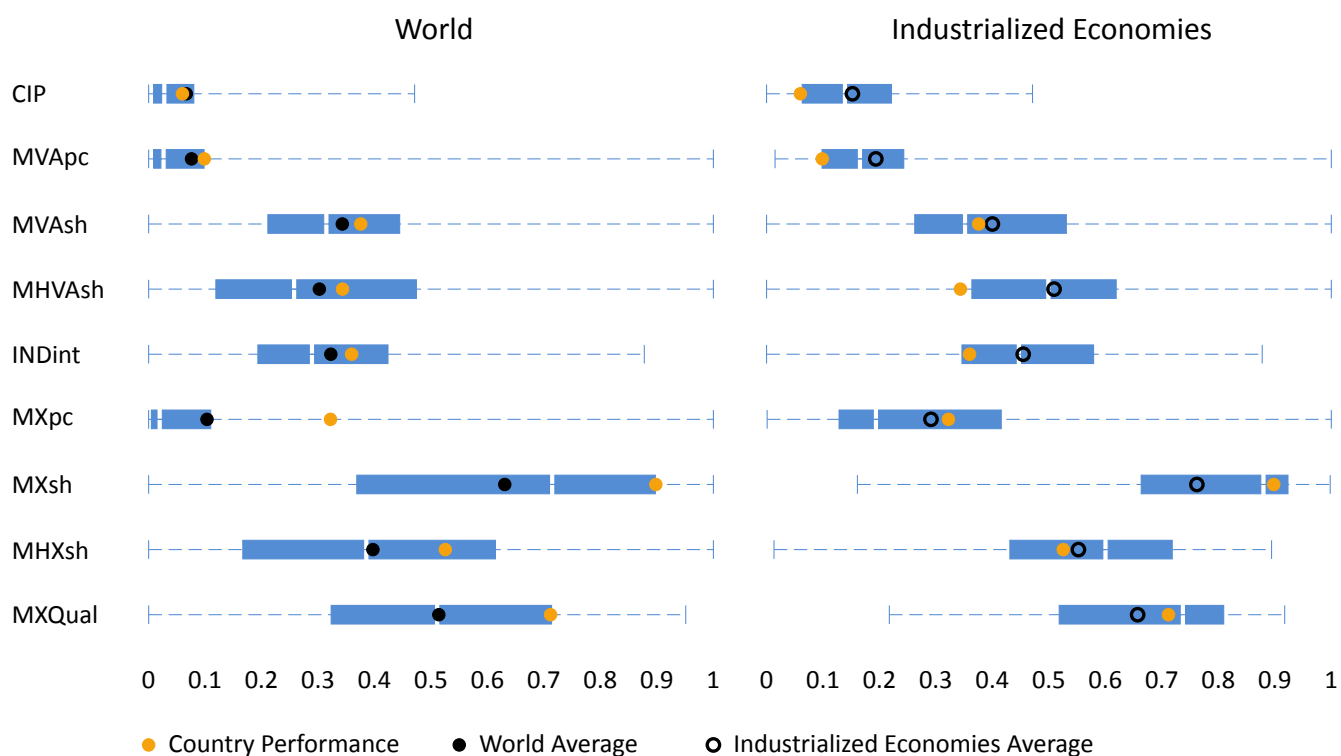


Performance indexes

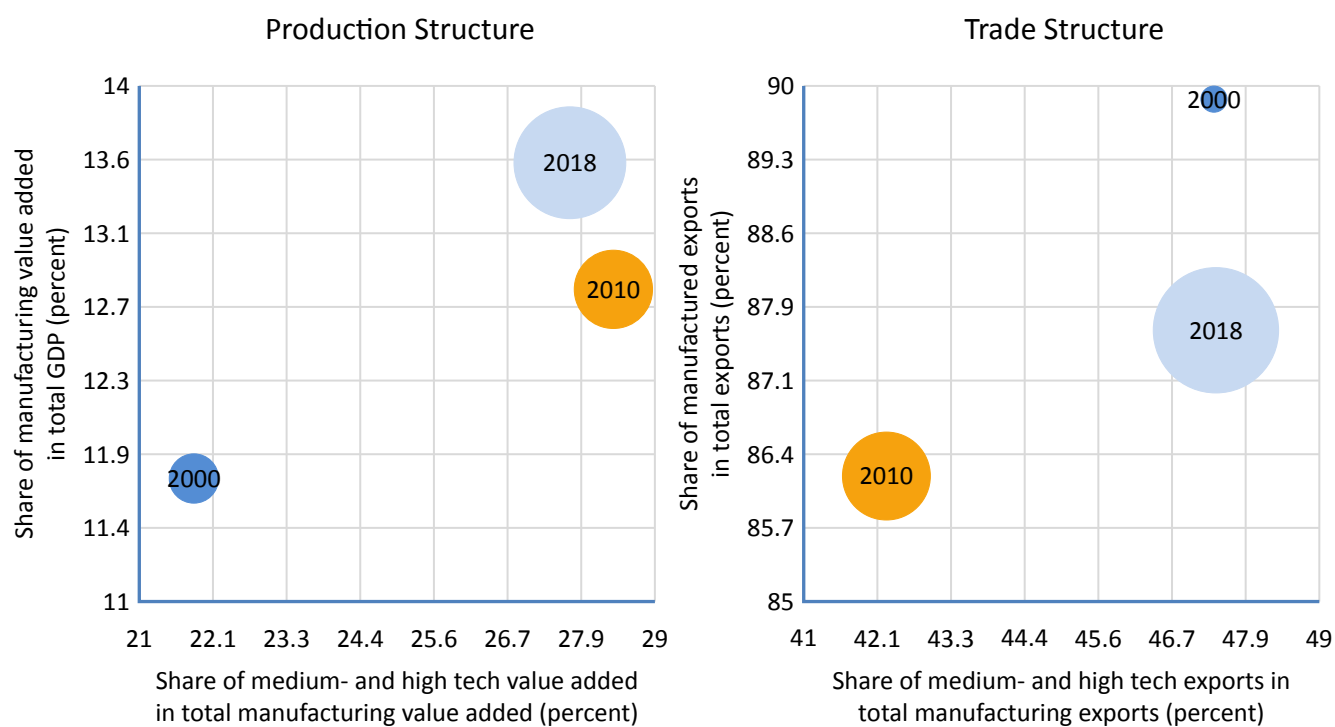
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	48	0.060	0.067	52 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	38	0.099	0.076	39	
Share of Manufacturing Value Added in GDP Index	55	0.376	0.343	56	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	56	0.343	0.302	59	
Industrialization Intensity Index	54	0.359	0.323	59	
Share of World Manufacturing Value Added Index	93	0.001	0.023	96	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	15	0.322	0.103	18	
Share of Manufacturing Exports in Total Exports Index	38	0.898	0.631	45	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	48	0.525	0.397	43	
Index Industrial Export Quality Index	41	0.712	0.514	37	
Share in World Manufacturing Export Index	60	0.007	0.039	62	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Eswatini

Africa
Other Developing Economies
Lower Middle Income

RANK 83
(index of 152 countries)

Score **0.023**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

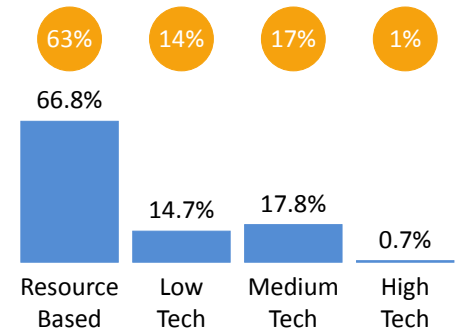
GDP: 4,254 million | 3,744 per capita

Manufacturing value added: 1,415 million | 1,245 per capita

Manufacturing exports: 1,741 million | 1,532 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

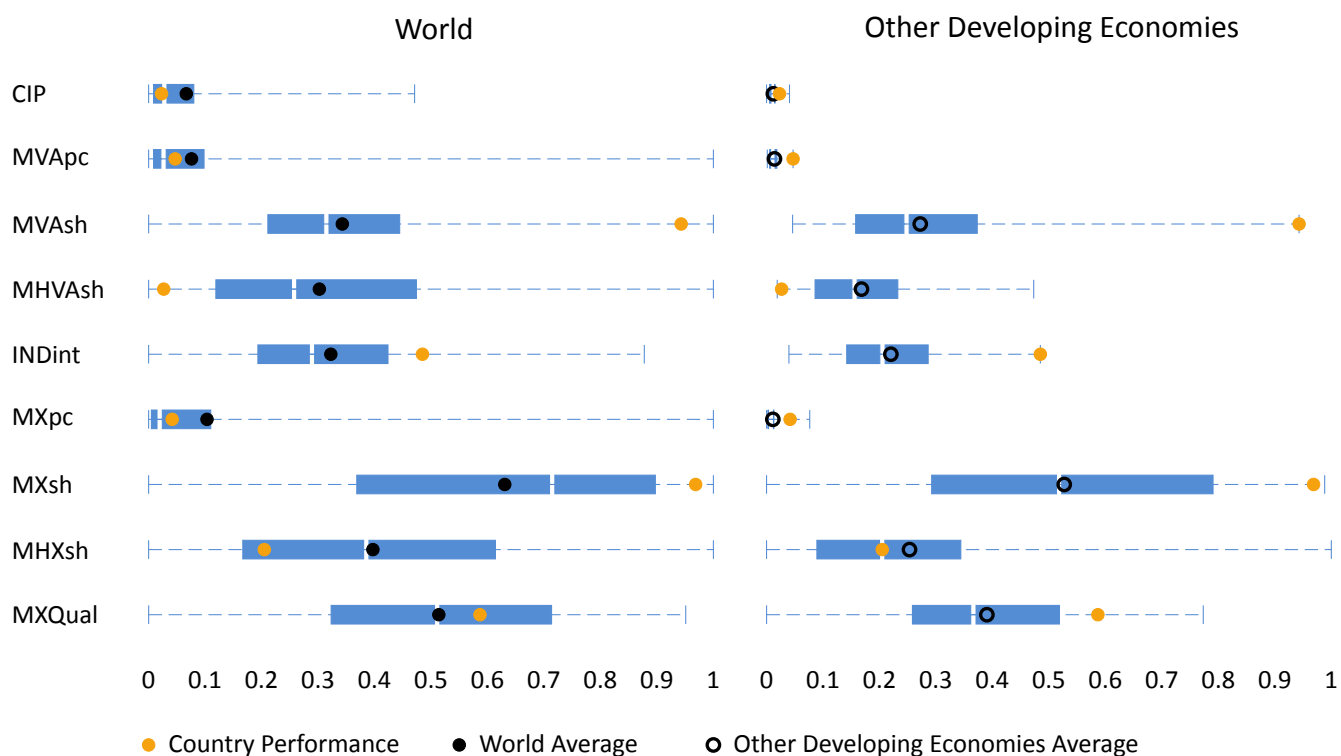


Performance indexes

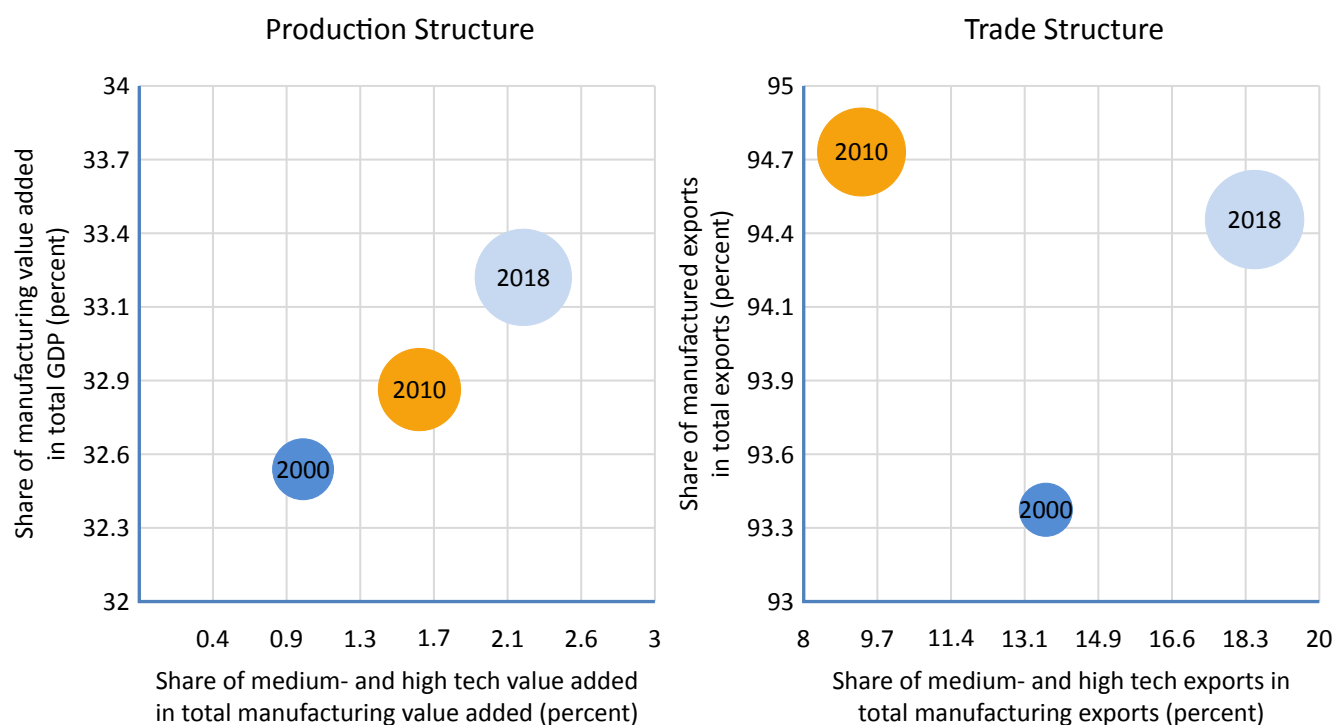
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	83	0.023	0.067	83 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	58	0.047	0.076	58	
Share of Manufacturing Value Added in GDP Index	2	0.943	0.343	2	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	148	0.027	0.302	148	
Industrialization Intensity Index	25	0.485	0.323	25	
Share of World Manufacturing Value Added Index	113	0.000	0.023	113	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	60	0.042	0.103	60	
Share of Manufacturing Exports in Total Exports Index	12	0.969	0.631	9	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	108	0.205	0.397	109	
Index Industrial Export Quality Index	63	0.587	0.514	59	
Share in World Manufacturing Export Index	106	0.001	0.039	105	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Ethiopia

Africa
Least Developed Countries
Low Income

RANK 134
(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

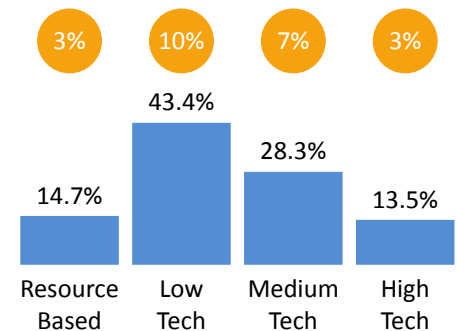
GDP: 81.2 billion | 743 per capita

Manufacturing value added: 5,935 million | 54.3 per capita

Manufacturing exports: 532.9 million | 5.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

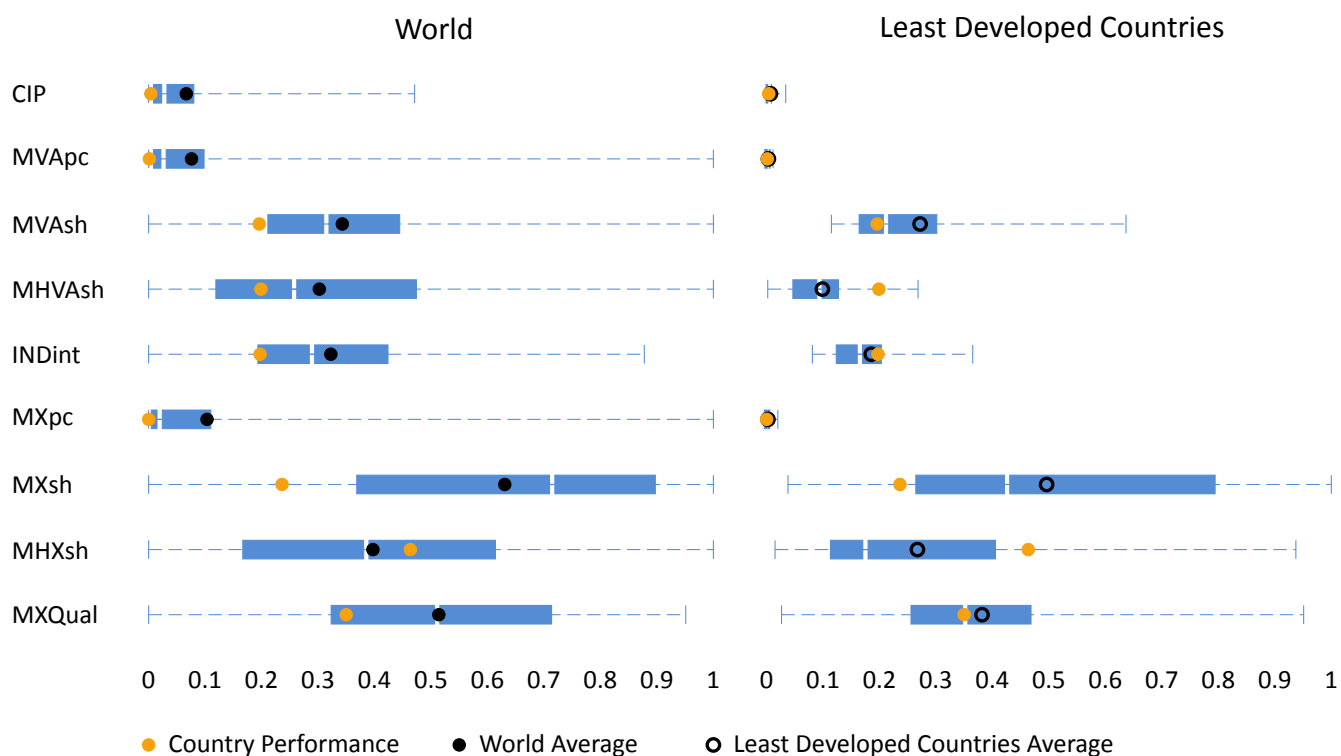


Performance indexes

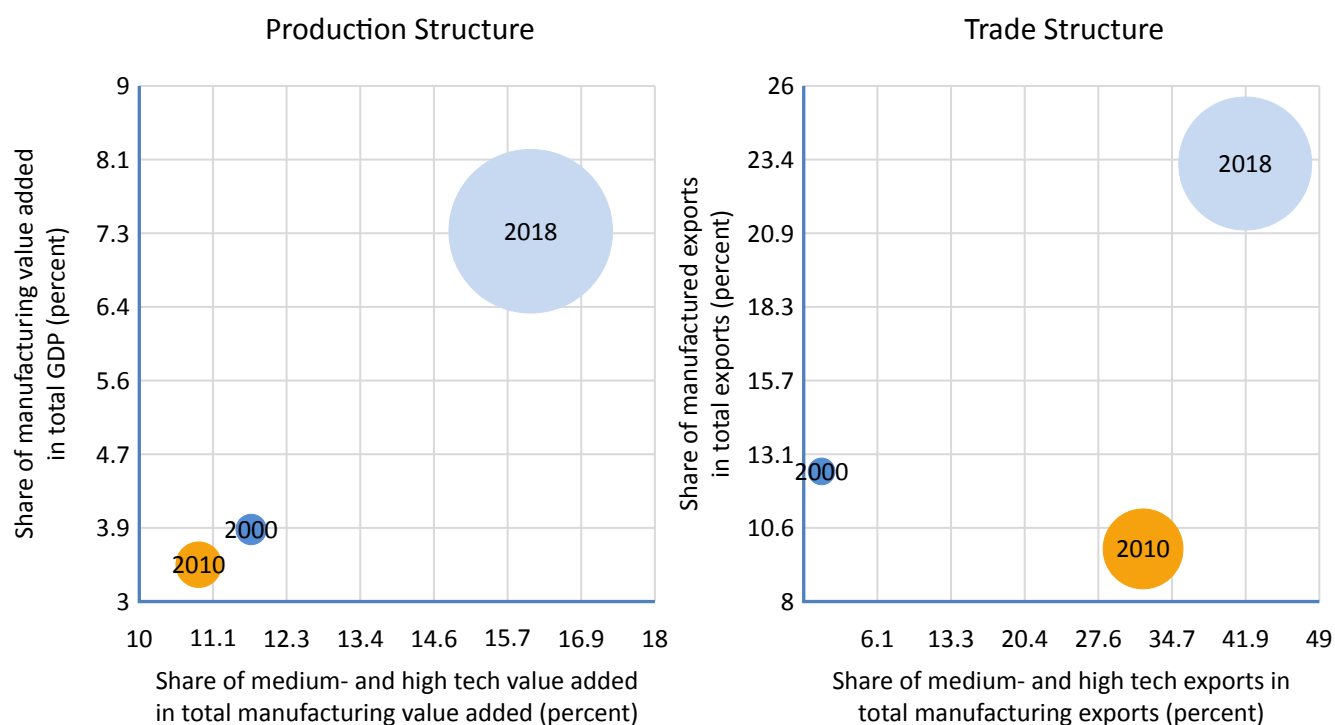
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	134	0.004	0.067	133 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	143	0.001	0.076	143	
Share of Manufacturing Value Added in GDP Index	120	0.196	0.343	121	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	93	0.199	0.302	94	
Industrialization Intensity Index	110	0.197	0.323	111	
Share of World Manufacturing Value Added Index	81	0.002	0.023	82	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	146	0.000	0.103	146	
Share of Manufacturing Exports in Total Exports Index	132	0.236	0.631	131	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	64	0.463	0.397	59	
Index Industrial Export Quality Index	106	0.350	0.514	105	
Share in World Manufacturing Export Index	128	0.000	0.039	129	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Fiji

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 117
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

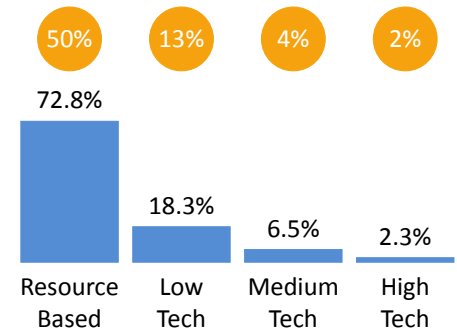
GDP: 4,683 million | 5,301 per capita

Manufacturing value added: 466.4 million | 528 per capita

Manufacturing exports: 393.3 million | 445 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

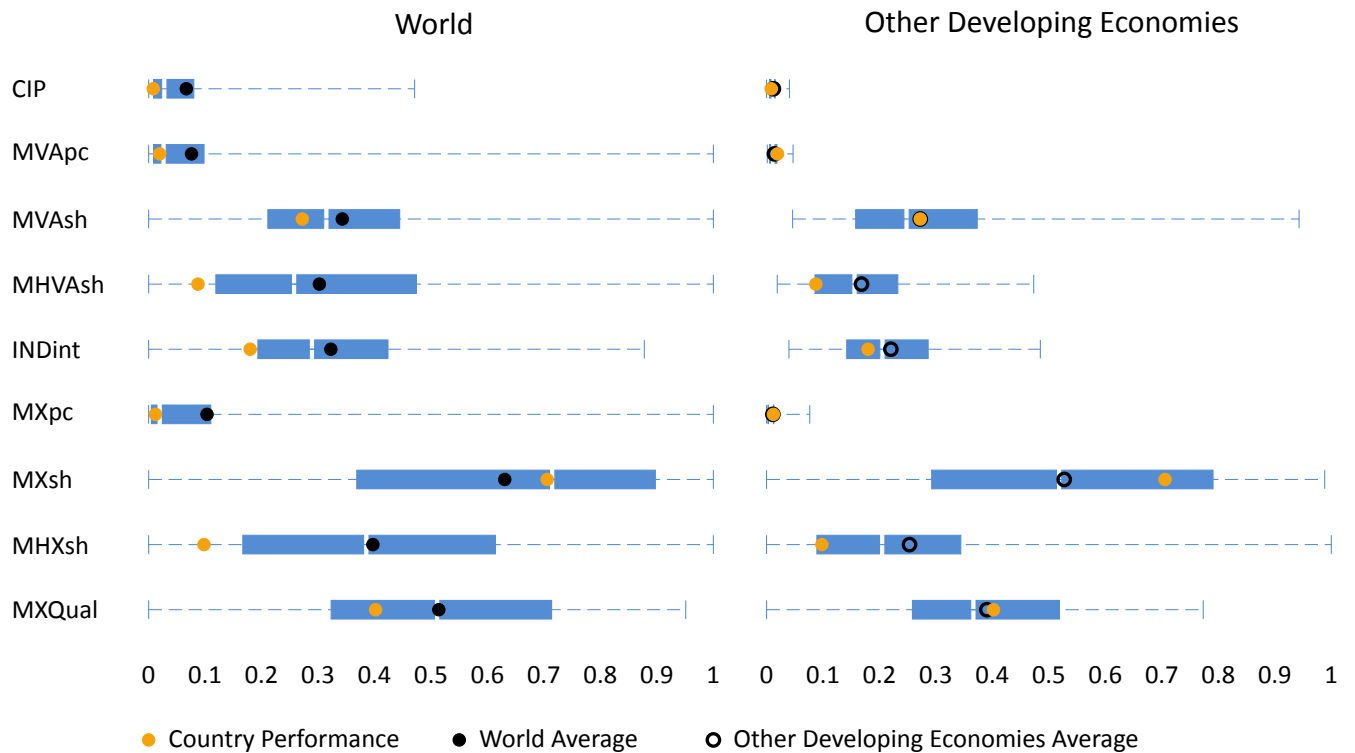


Performance indexes

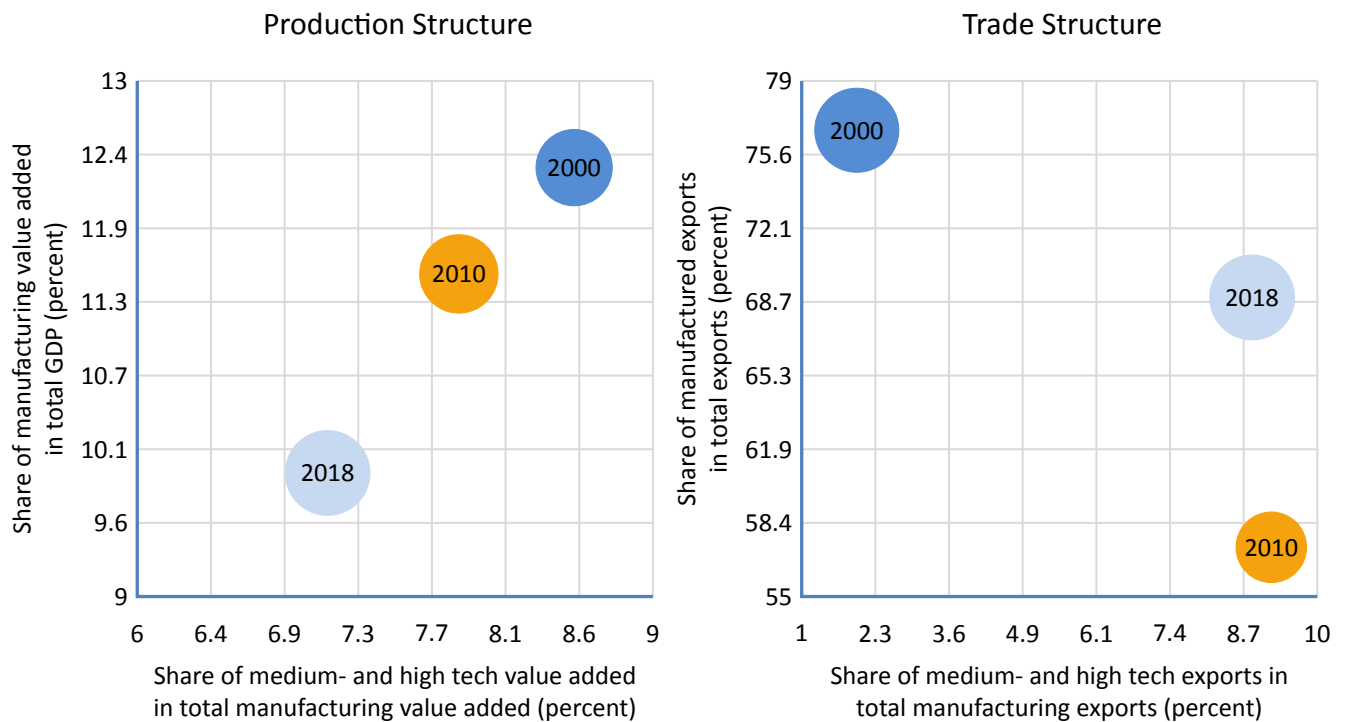
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	117	0.008	0.067	116 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	88	0.019	0.076	88	
Share of Manufacturing Value Added in GDP Index	97	0.272	0.343	97	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	125	0.087	0.302	124	
Industrialization Intensity Index	122	0.180	0.323	122	
Share of World Manufacturing Value Added Index	138	0.000	0.023	138	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	91	0.012	0.103	88	
Share of Manufacturing Exports in Total Exports Index	77	0.706	0.631	70	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	132	0.098	0.397	133	
Index Industrial Export Quality Index	95	0.402	0.514	91	
Share in World Manufacturing Export Index	129	0.000	0.039	130	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Finland

Europe
Industrialized Economies
High Income

RANK 25
(index of 152 countries)

Score **0.141**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

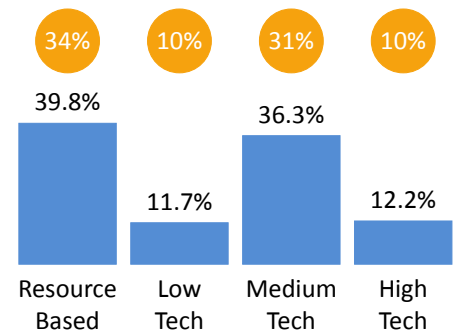
GDP: 248.9 billion | 45,078 per capita

Manufacturing value added: 39.1 billion | 7,074 per capita

Manufacturing exports: 63.6 billion | 11,514 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

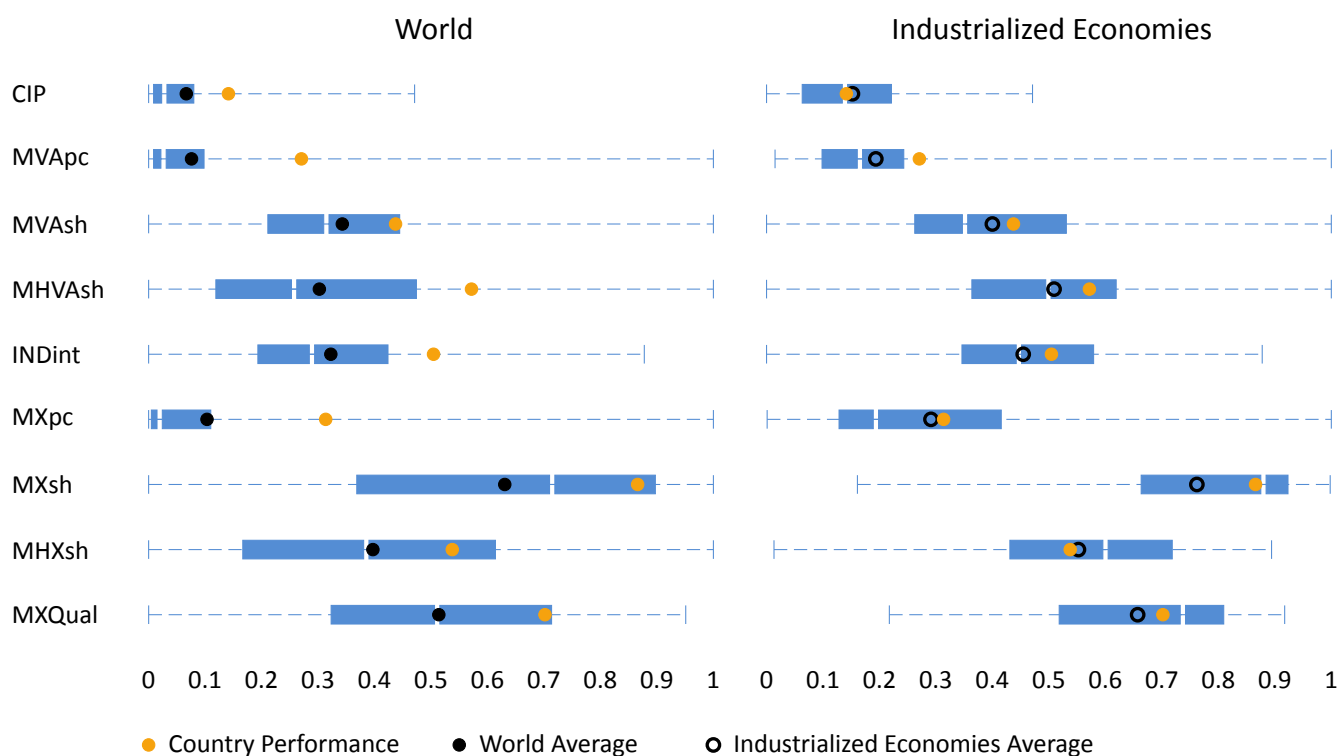


Performance indexes

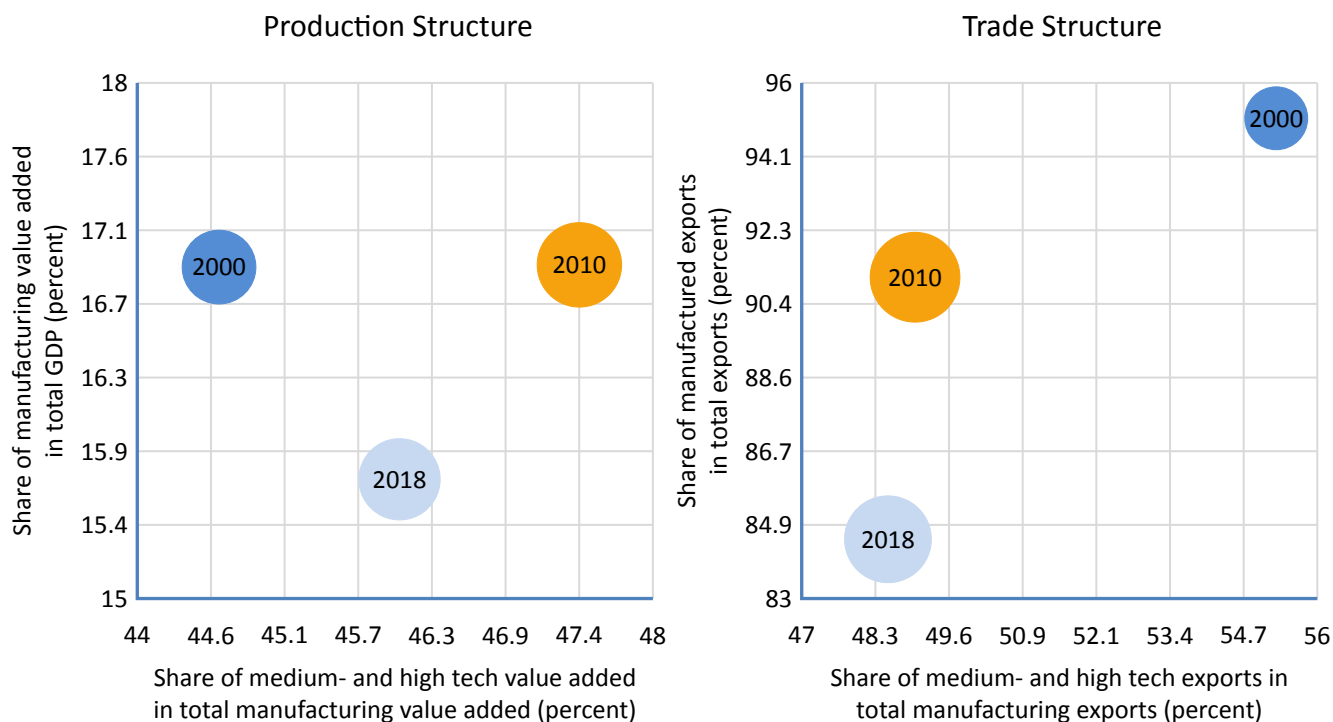
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	25	0.141	0.067	25 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	11	0.271	0.076	11	
Share of Manufacturing Value Added in GDP Index	43	0.437	0.343	42	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	19	0.572	0.302	22	
Industrialization Intensity Index	22	0.504	0.323	23	
Share of World Manufacturing Value Added Index	42	0.010	0.023	42	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	17	0.314	0.103	17	
Share of Manufacturing Exports in Total Exports Index	50	0.866	0.631	48	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	47	0.538	0.397	42	
Index Industrial Export Quality Index	42	0.702	0.514	38	
Share in World Manufacturing Export Index	36	0.026	0.039	39	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

France

Europe
Industrialized Economies
High Income

RANK 13
(index of 152 countries)

Score **0.237**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

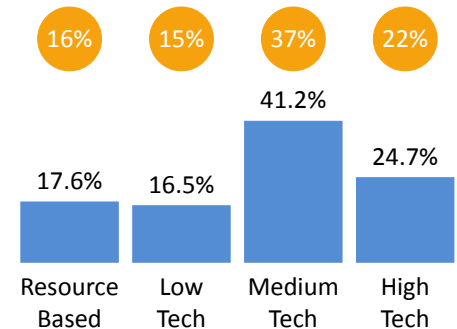
GDP: 2,564 billion | 39,445 per capita

Manufacturing value added: 267.4 billion | 4,115 per capita

Manufacturing exports: 505.9 billion | 7,784 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

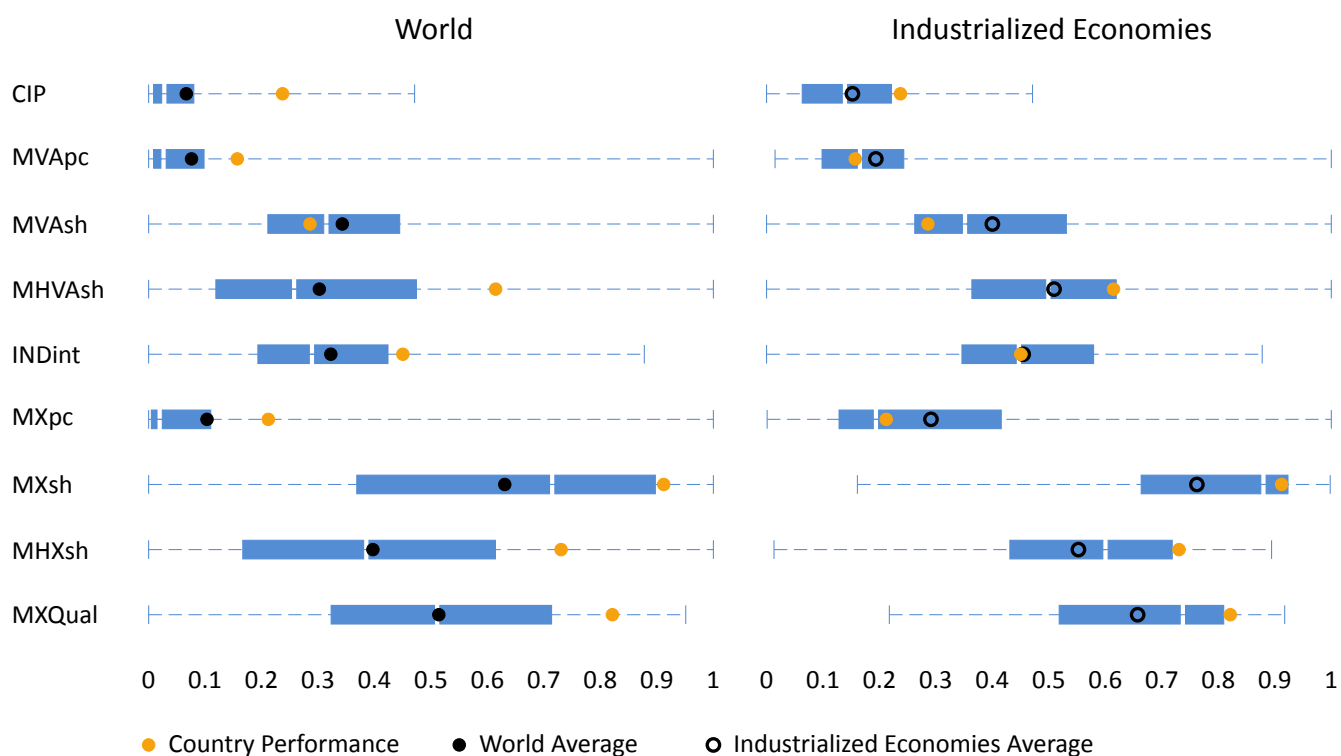


Performance indexes

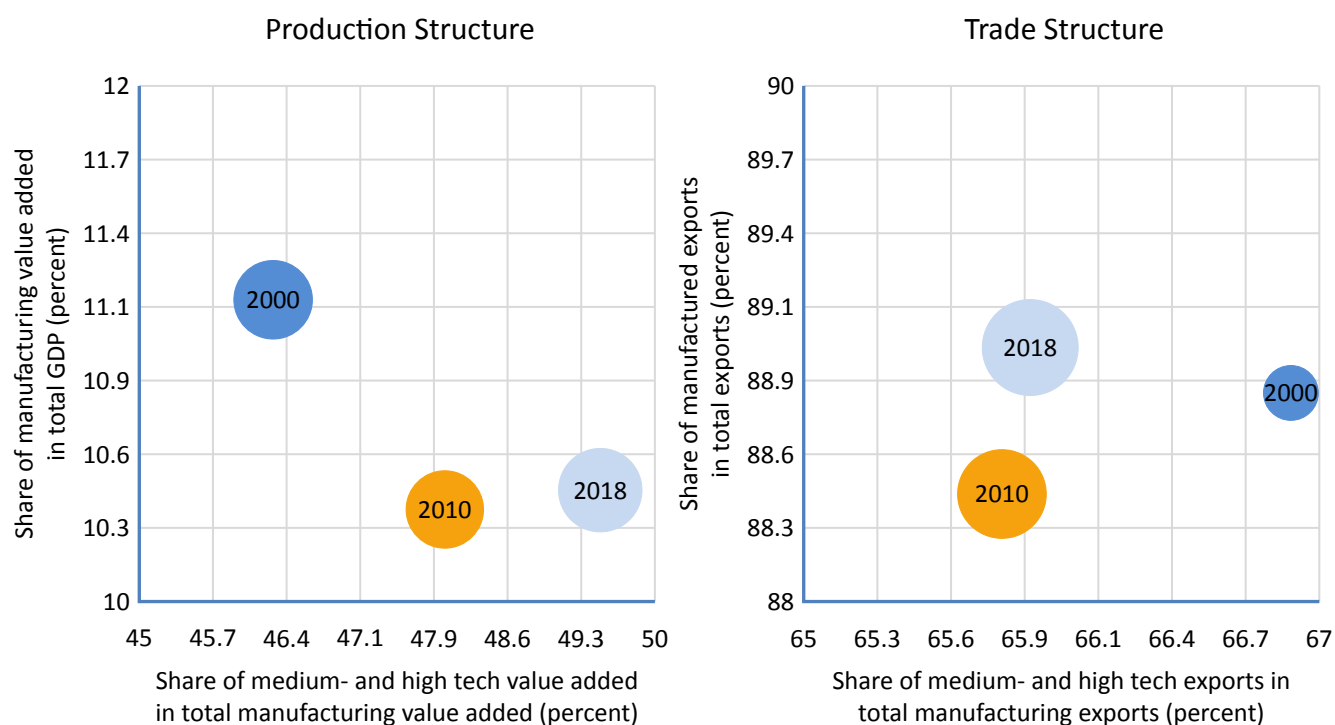
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	13	0.237	0.067	13 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	26	0.157	0.076	26	
Share of Manufacturing Value Added in GDP Index	92	0.286	0.343	92	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	15	0.614	0.302	13	
Industrialization Intensity Index	33	0.450	0.323	32	
Share of World Manufacturing Value Added Index	8	0.069	0.023	9	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	22	0.212	0.103	22	
Share of Manufacturing Exports in Total Exports Index	31	0.912	0.631	30	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	18	0.730	0.397	16	
Index Industrial Export Quality Index	16	0.821	0.514	15	
Share in World Manufacturing Export Index	6	0.210	0.039	6	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Gabon

Africa
Other Developing Economies
Upper Middle Income

RANK 110
(index of 152 countries)

Score **0.01**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

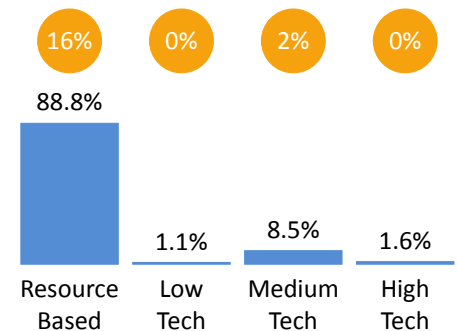
GDP: 15.0 billion | 7,058 per capita

Manufacturing value added: 1,099 million | 518 per capita

Manufacturing exports: 976.3 million | 622 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

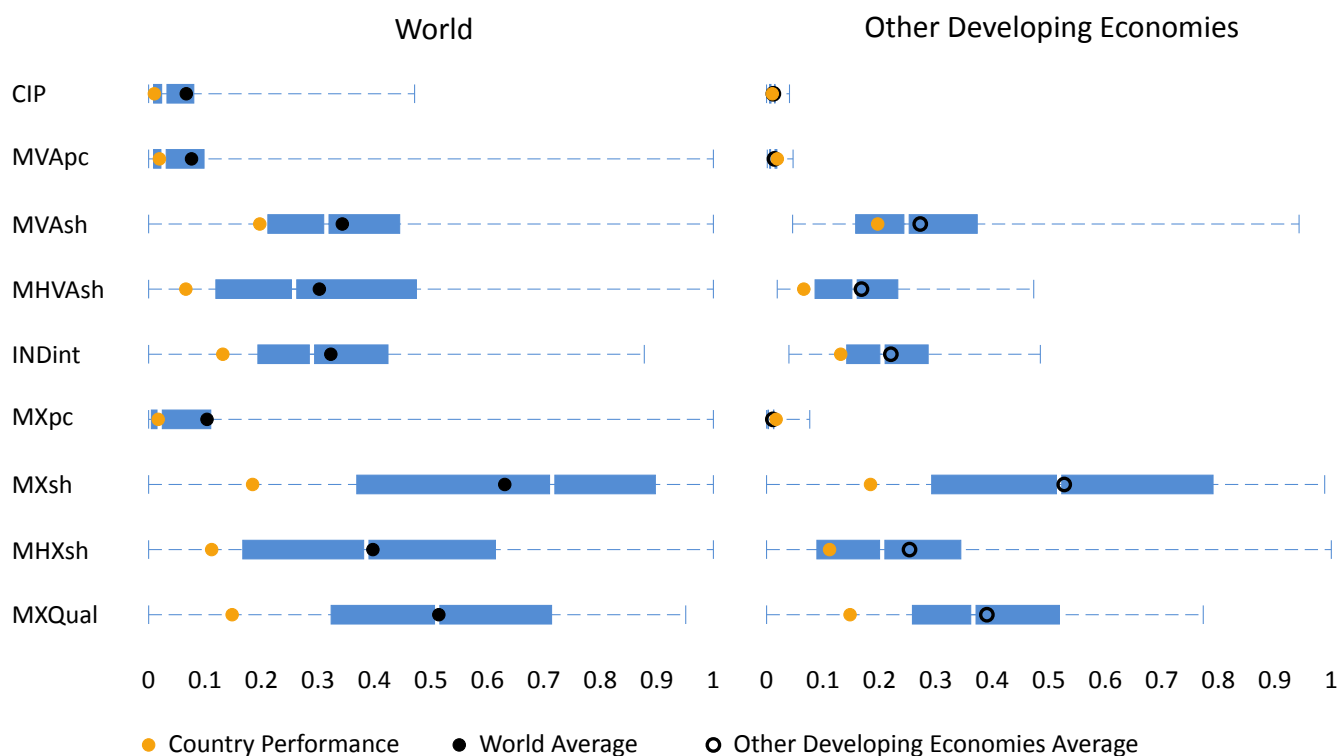


Performance indexes

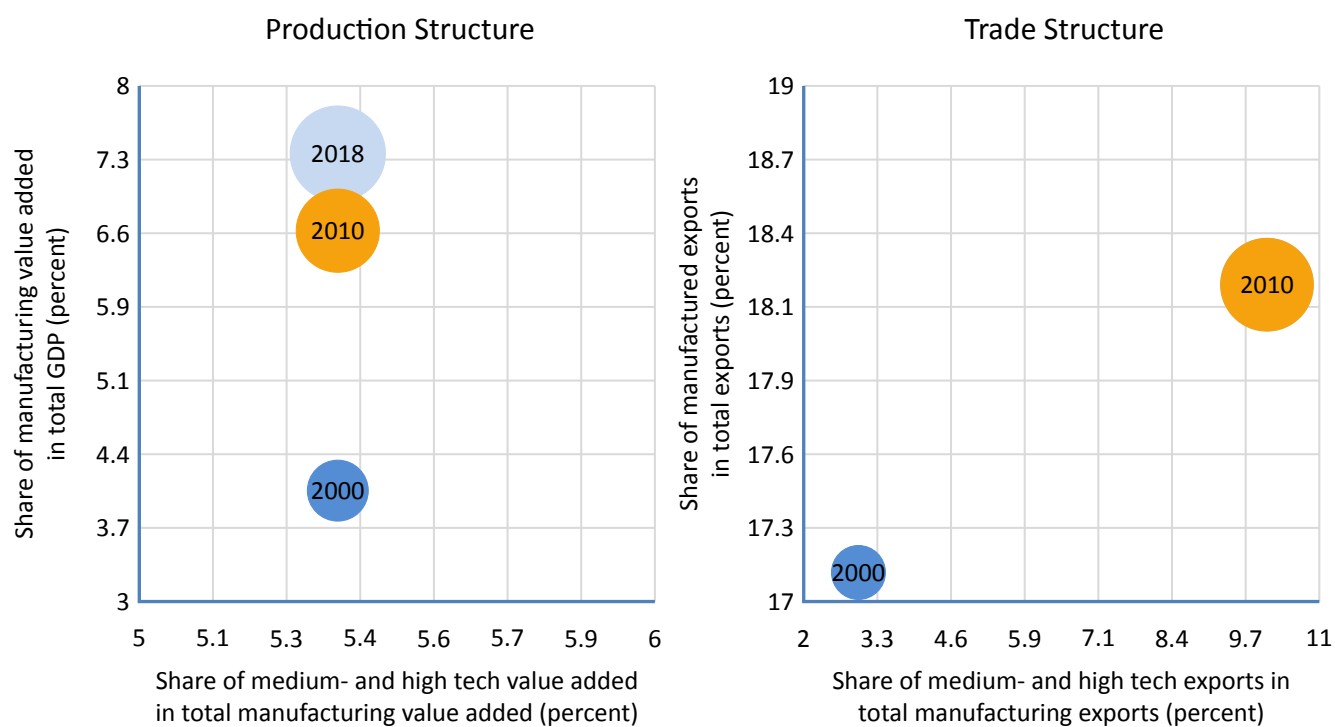
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	110	0.010	0.067	108 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	90	0.019	0.076	89	
Share of Manufacturing Value Added in GDP Index	118	0.197	0.343	122	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	130	0.066	0.302	130	
Industrialization Intensity Index	132	0.131	0.323	134	
Share of World Manufacturing Value Added Index	122	0.000	0.023	123	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	82	0.017	0.103	81	
Share of Manufacturing Exports in Total Exports Index	138	0.184	0.631	136	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	128	0.112	0.397	127	
Index Industrial Export Quality Index	146	0.148	0.514	145	
Share in World Manufacturing Export Index	113	0.001	0.039	111	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Gambia

Africa
Least Developed Countries
Low Income

RANK 148
(index of 152 countries)

Score **0**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

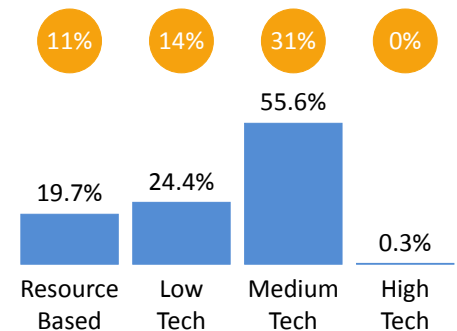
GDP: 1,559 million | 684 per capita

Manufacturing value added: 70.1 million | 30.8 per capita

Manufacturing exports: 5.1 million | 2.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

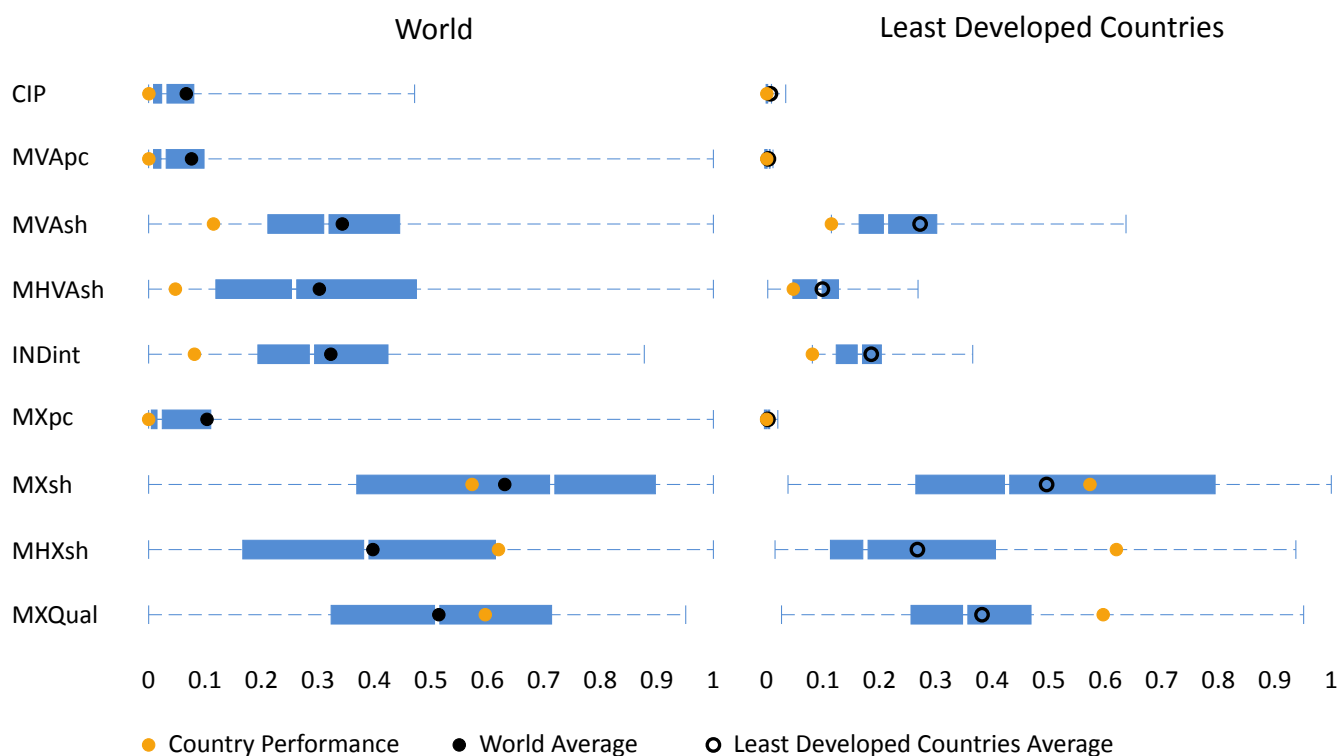


Performance indexes

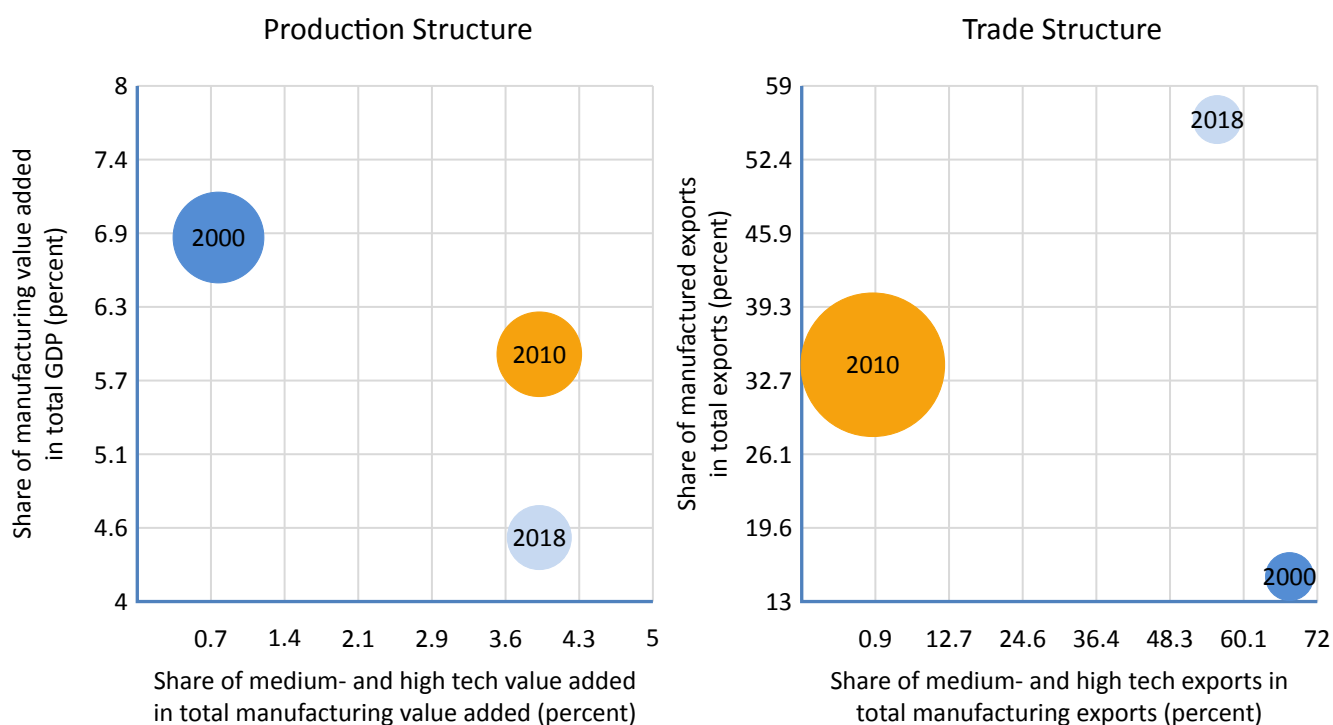
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	148	0.000	0.067	148 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	149	0.000	0.076	149	
Share of Manufacturing Value Added in GDP Index	143	0.115	0.343	142	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	137	0.047	0.302	137	
Industrialization Intensity Index	148	0.081	0.323	148	
Share of World Manufacturing Value Added Index	149	0.000	0.023	149	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	150	0.000	0.103	150	
Share of Manufacturing Exports in Total Exports Index	92	0.573	0.631	113	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	36	0.619	0.397	84	
Index Industrial Export Quality Index	61	0.596	0.514	108	
Share in World Manufacturing Export Index	150	0.000	0.039	150	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Georgia

Europe
Other Developing Economies
Upper Middle Income

RANK 96
(index of 152 countries)

Score **0.015**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

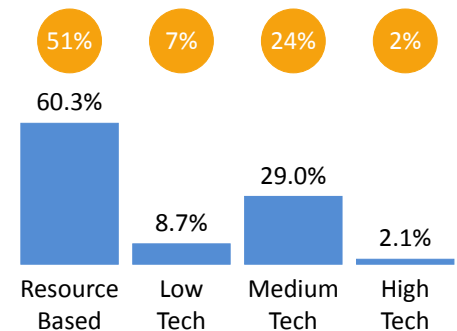
GDP: 15.8 billion | 3,947 per capita

Manufacturing value added: 1,717 million | 429 per capita

Manufacturing exports: 1,875 million | 468 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

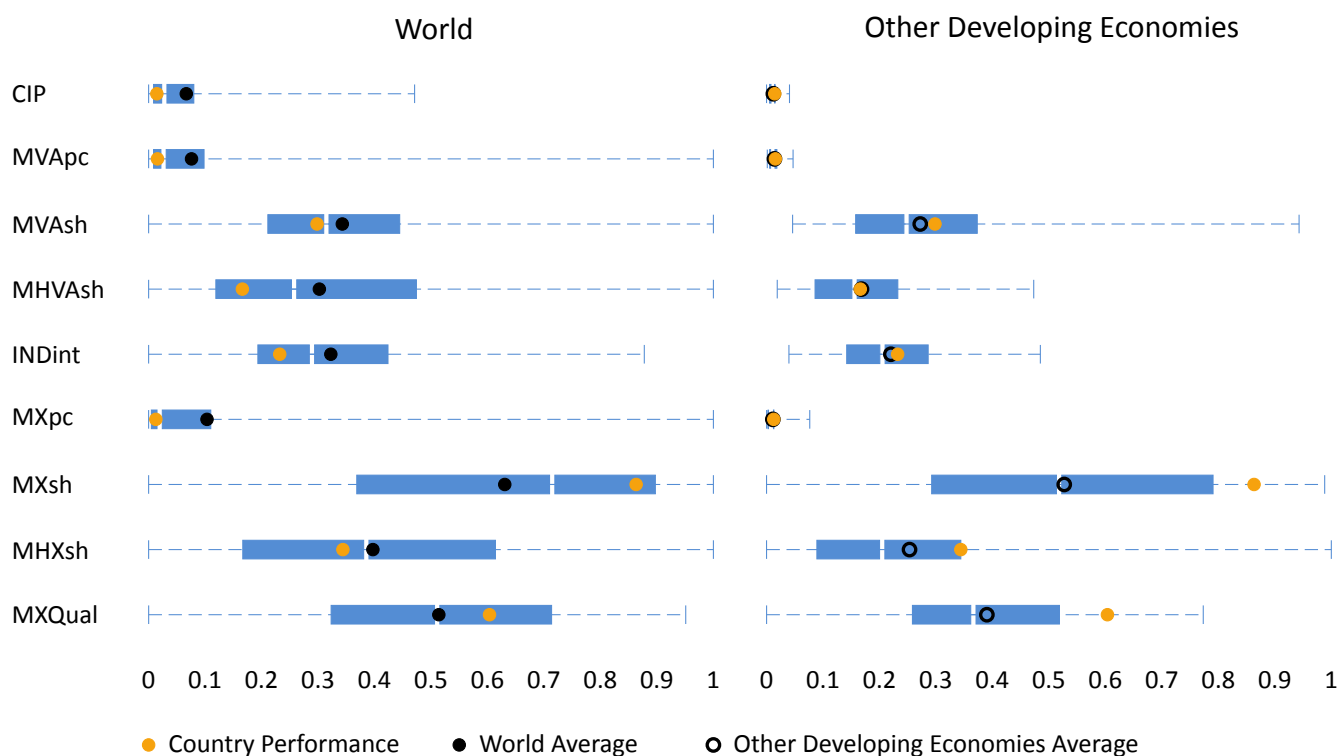


Performance indexes

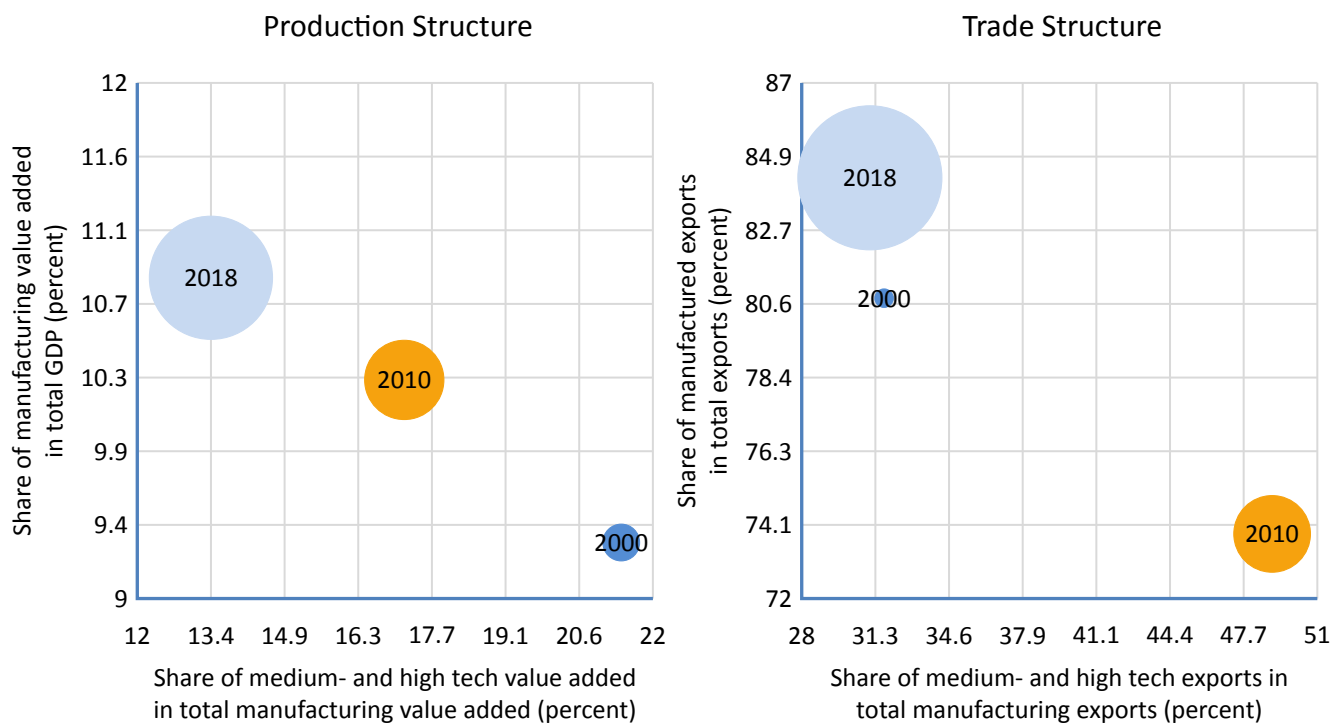
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	96	0.015	0.067	97 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	95	0.016	0.076	97	
Share of Manufacturing Value Added in GDP Index	88	0.298	0.343	87	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	102	0.166	0.302	102	
Industrialization Intensity Index	97	0.232	0.323	101	
Share of World Manufacturing Value Added Index	108	0.000	0.023	108	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	88	0.013	0.103	95	
Share of Manufacturing Exports in Total Exports Index	53	0.863	0.631	60	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	83	0.344	0.397	83	
Index Industrial Export Quality Index	58	0.604	0.514	60	
Share in World Manufacturing Export Index	104	0.001	0.039	106	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Germany

Europe
Industrialized Economies
High Income

RANK 1
(index of 152 countries)

Score **0.471**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

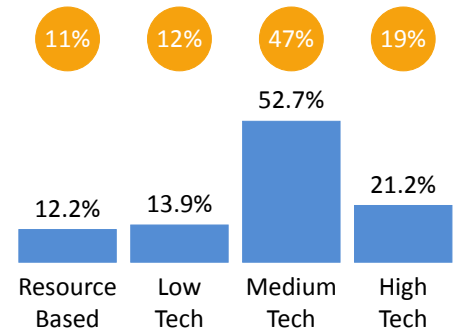
GDP: 3,586 billion | 43,135 per capita

Manufacturing value added: 760.4 billion | 9,148 per capita

Manufacturing exports: 1,405 billion | 16,906 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

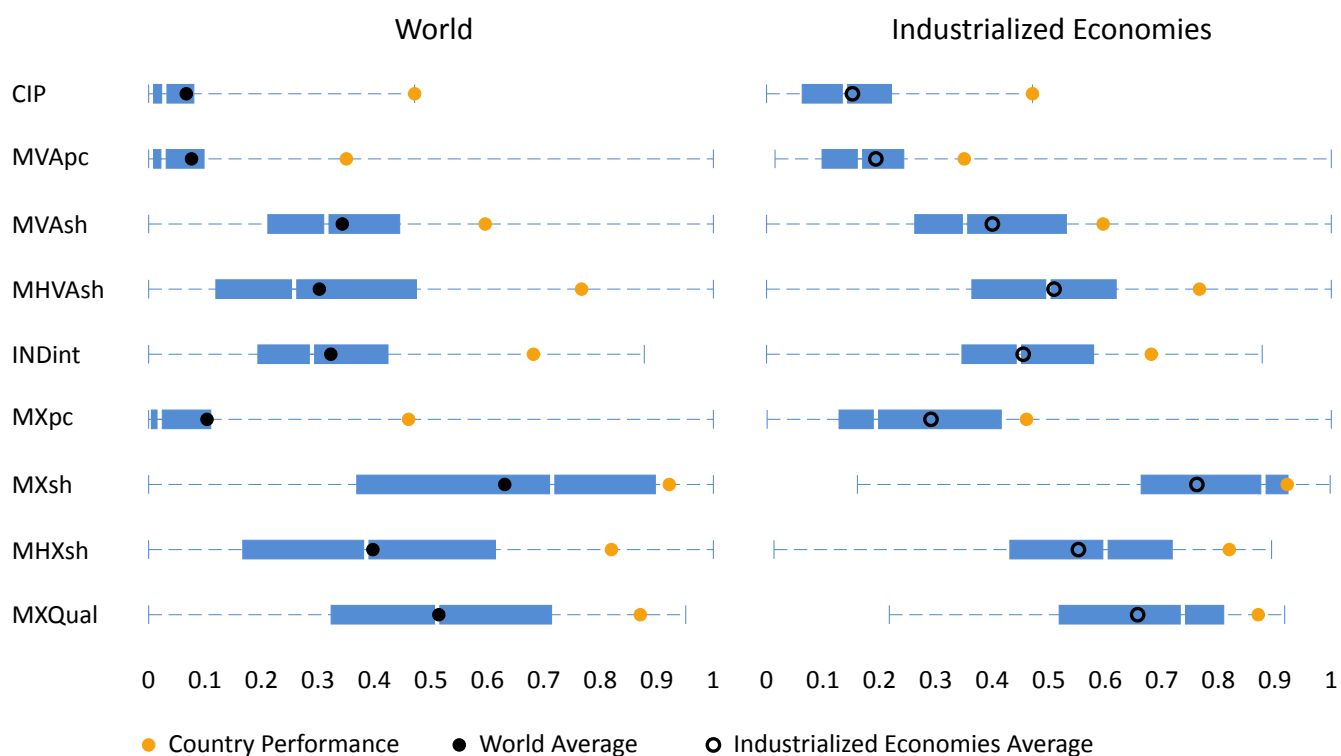


Performance indexes

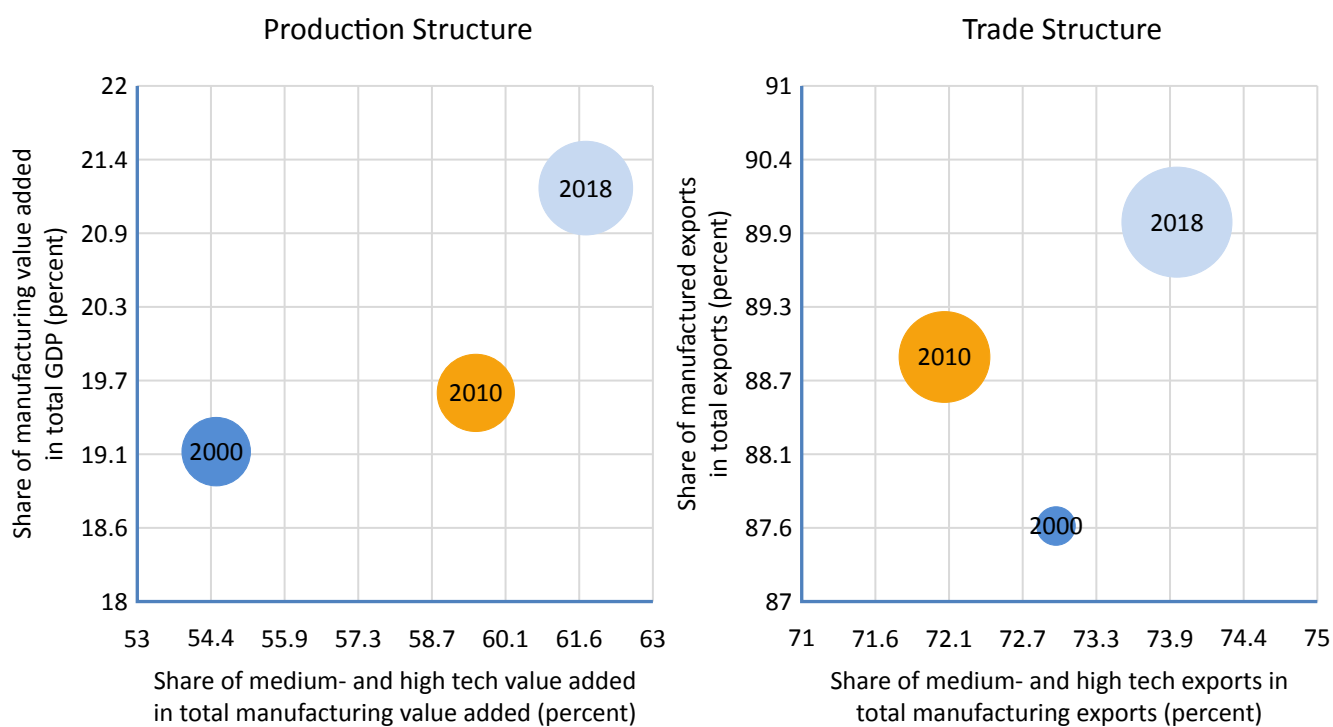
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	1	0.471	0.067	1 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	4	0.350	0.076	4	
Share of Manufacturing Value Added in GDP Index	13	0.596	0.343	12	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	5	0.767	0.302	5	
Industrialization Intensity Index	6	0.681	0.323	6	
Share of World Manufacturing Value Added Index	4	0.195	0.023	4	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	9	0.460	0.103	9	
Share of Manufacturing Exports in Total Exports Index	26	0.922	0.631	22	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	10	0.819	0.397	9	
Index Industrial Export Quality Index	10	0.871	0.514	10	
Share in World Manufacturing Export Index	2	0.584	0.039	2	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Ghana

Africa
Other Developing Economies
Lower Middle Income

RANK 114
(index of 152 countries)

Score **0.009**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

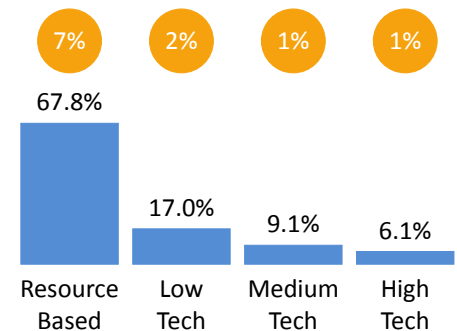
GDP: 58.5 billion | 1,964 per capita

Manufacturing value added: 6,939 million | 233 per capita

Manufacturing exports: 1,662 million | 56.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

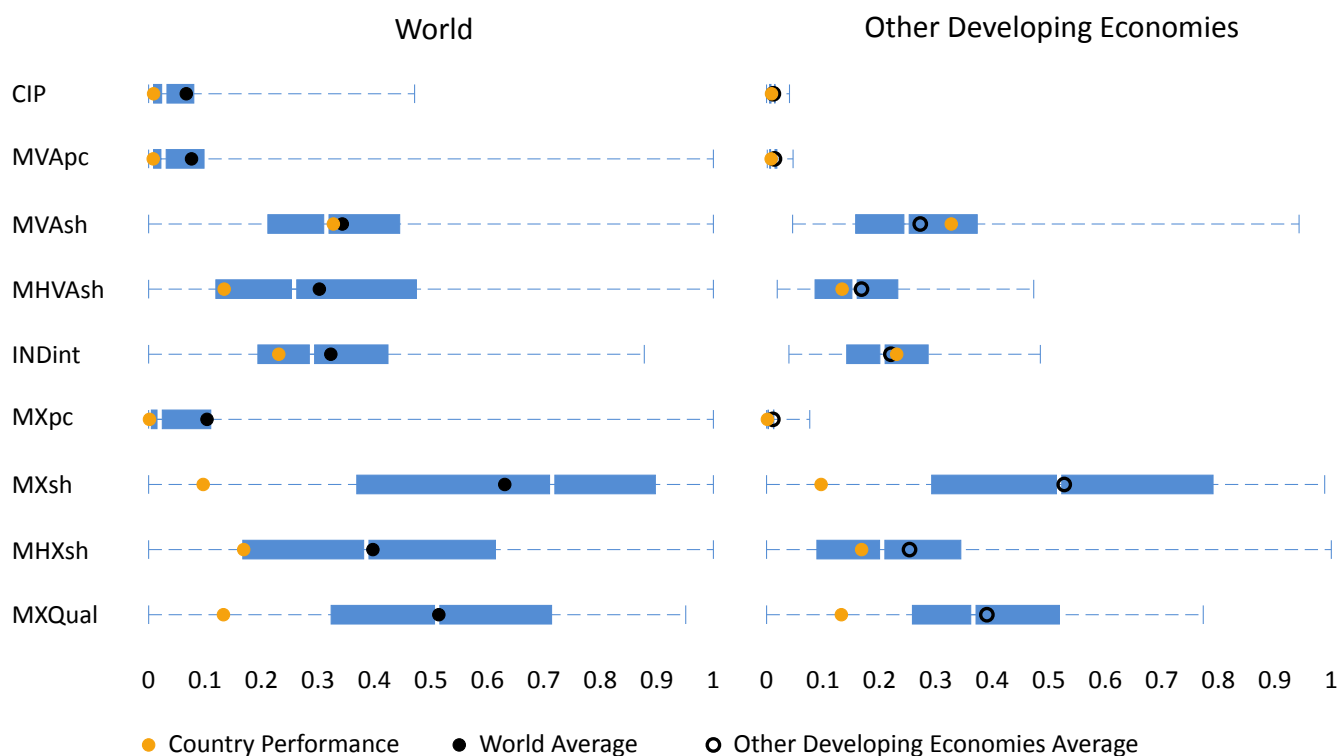


Performance indexes

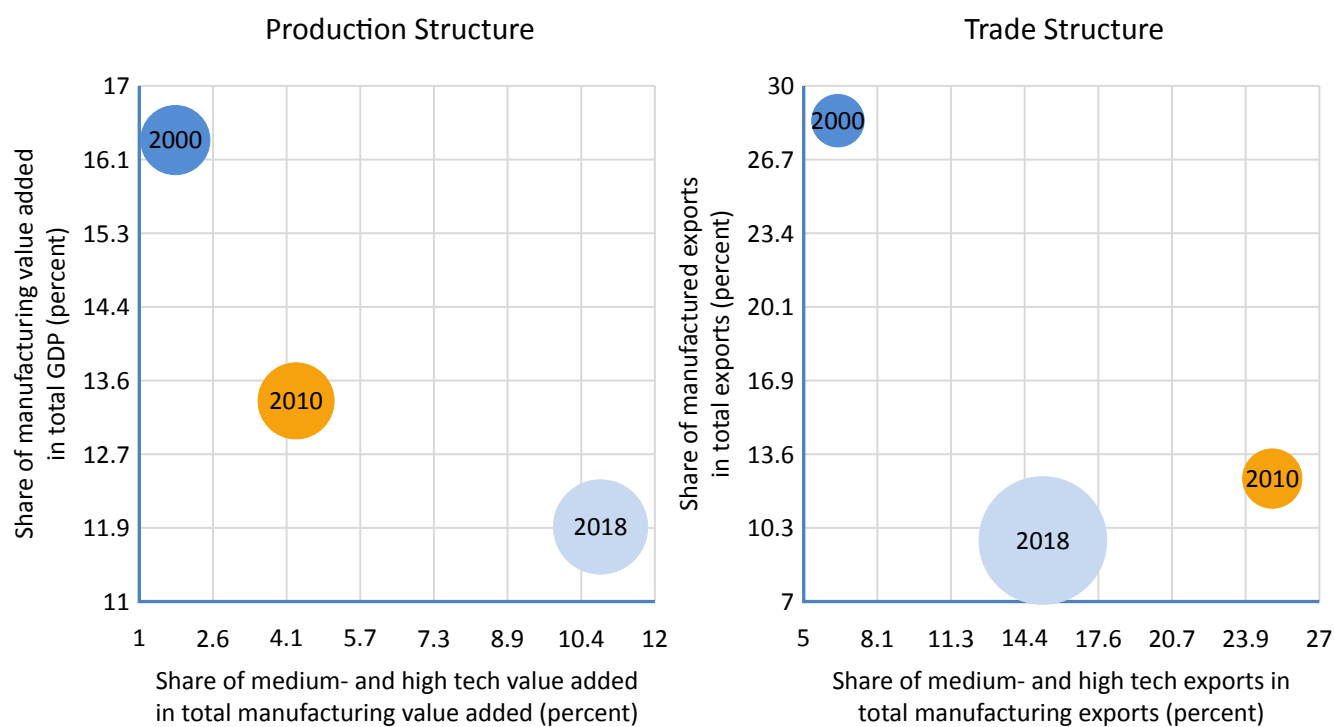
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	114	0.009	0.067	112 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	115	0.008	0.076	116	
Share of Manufacturing Value Added in GDP Index	73	0.327	0.343	72	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	110	0.134	0.302	109	
Industrialization Intensity Index	100	0.230	0.323	100	
Share of World Manufacturing Value Added Index	74	0.002	0.023	78	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	129	0.002	0.103	128	
Share of Manufacturing Exports in Total Exports Index	145	0.097	0.631	144	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	113	0.168	0.397	108	
Index Industrial Export Quality Index	148	0.132	0.514	142	
Share in World Manufacturing Export Index	108	0.001	0.039	103	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Greece

Europe
Emerging Industrial Economies
High Income

RANK 49
(index of 152 countries)

Score **0.06**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

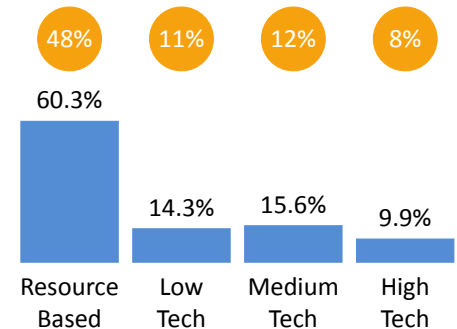
GDP: 203.0 billion | 19,294 per capita

Manufacturing value added: 18.5 billion | 1,758 per capita

Manufacturing exports: 31.4 billion | 2,981 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

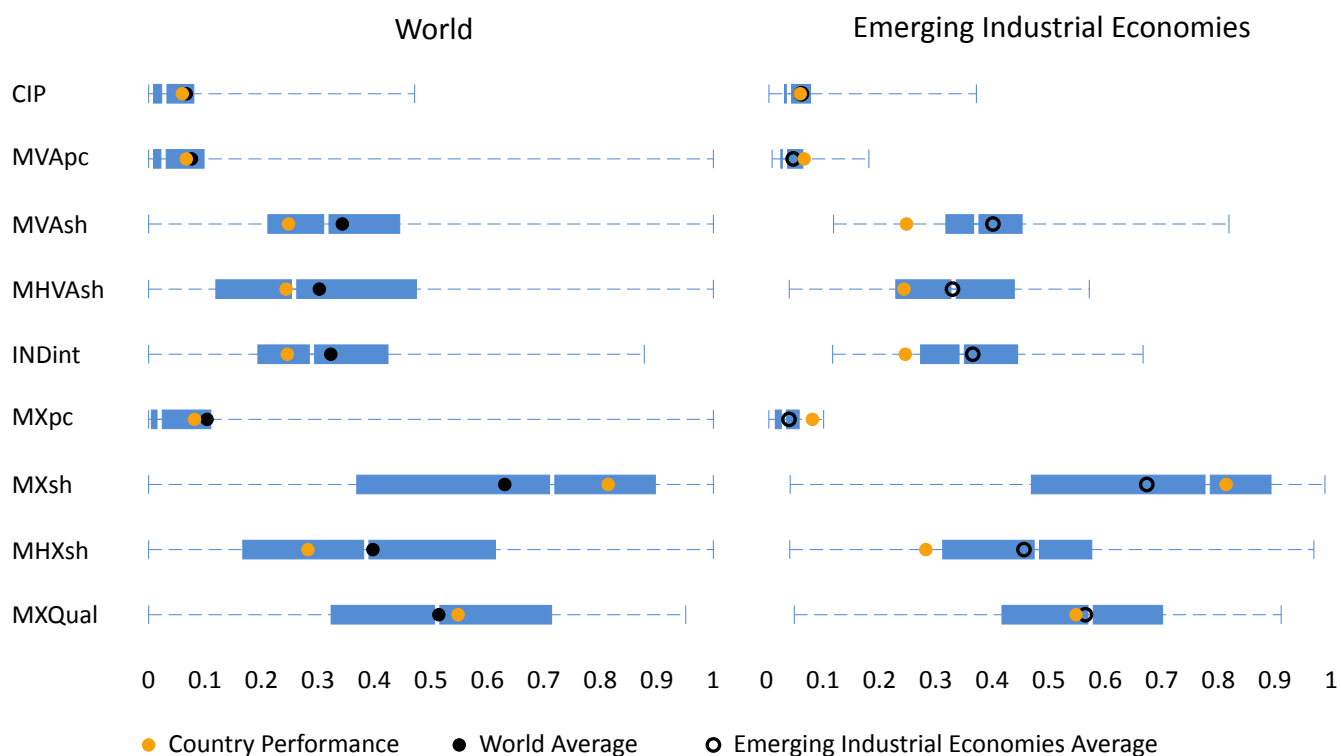


Performance indexes

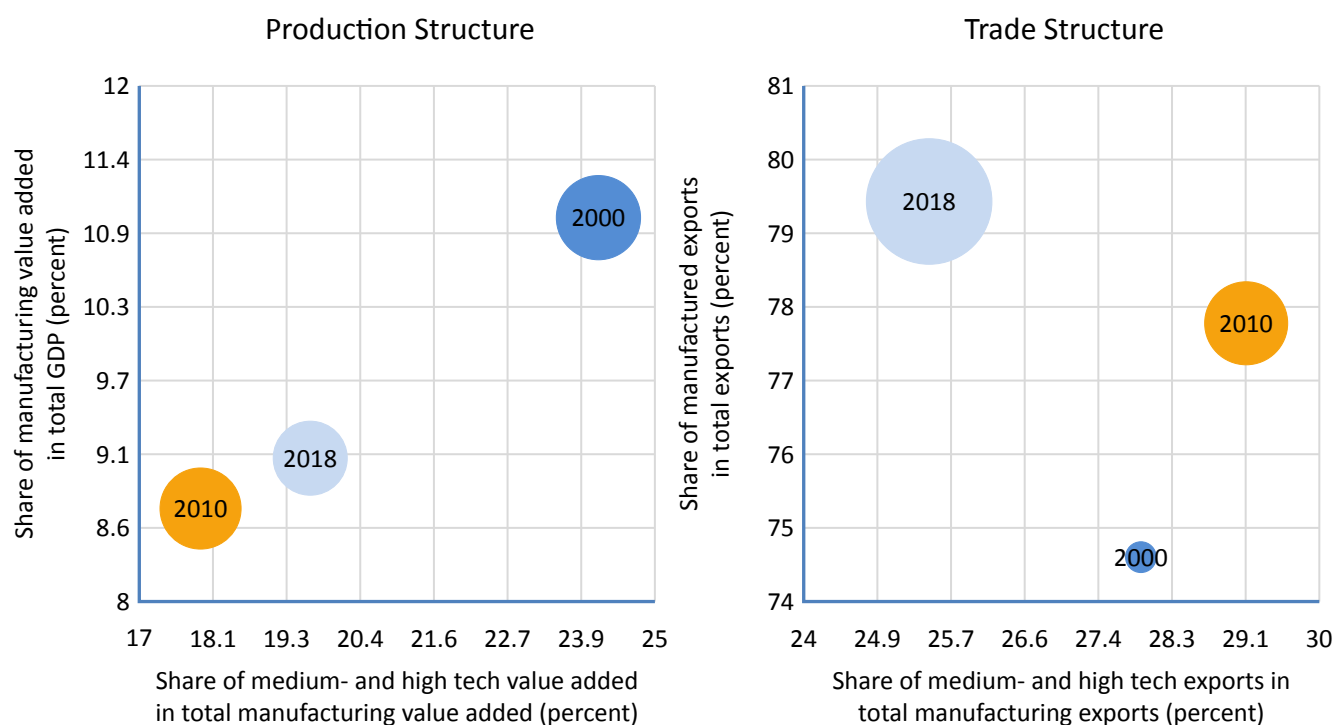
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	49	0.060	0.067	51 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	48	0.067	0.076	48	
Share of Manufacturing Value Added in GDP Index	104	0.248	0.343	101	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	80	0.243	0.302	78	
Industrialization Intensity Index	93	0.246	0.323	91	
Share of World Manufacturing Value Added Index	55	0.005	0.023	55	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	49	0.081	0.103	51	
Share of Manufacturing Exports in Total Exports Index	63	0.814	0.631	65	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	94	0.282	0.397	91	
Index Industrial Export Quality Index	67	0.548	0.514	65	
Share in World Manufacturing Export Index	48	0.013	0.039	51	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Guatemala

Latin America
Other Developing Economies
Upper Middle Income

RANK 74
(index of 152 countries)

Score **0.03**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

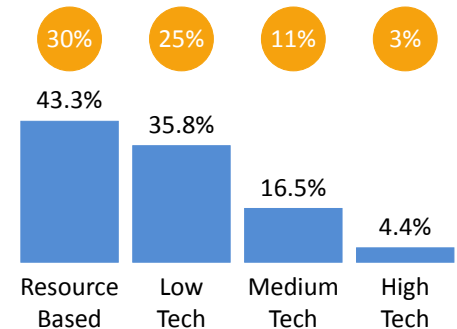
GDP: 69.7 billion | 4,040 per capita

Manufacturing value added: 13.0 billion | 751 per capita

Manufacturing exports: 7,570 million | 448 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

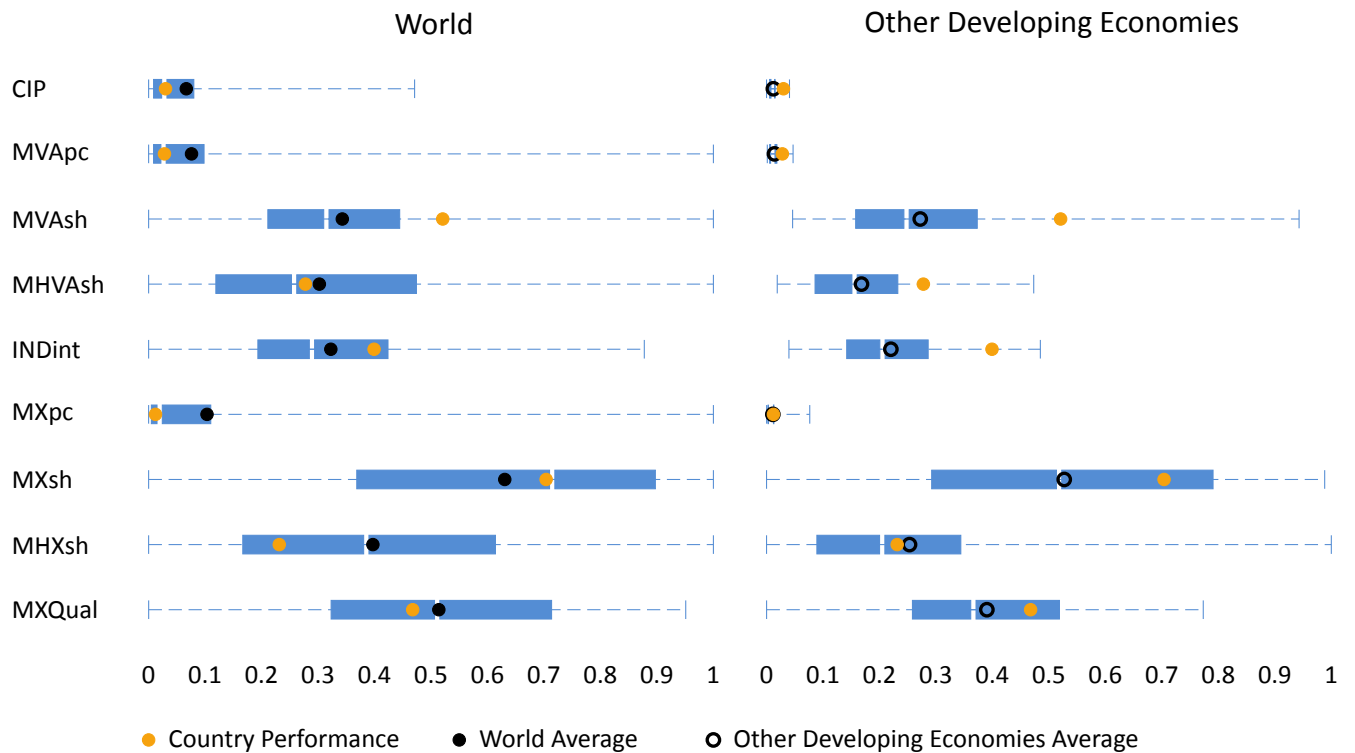


Performance indexes

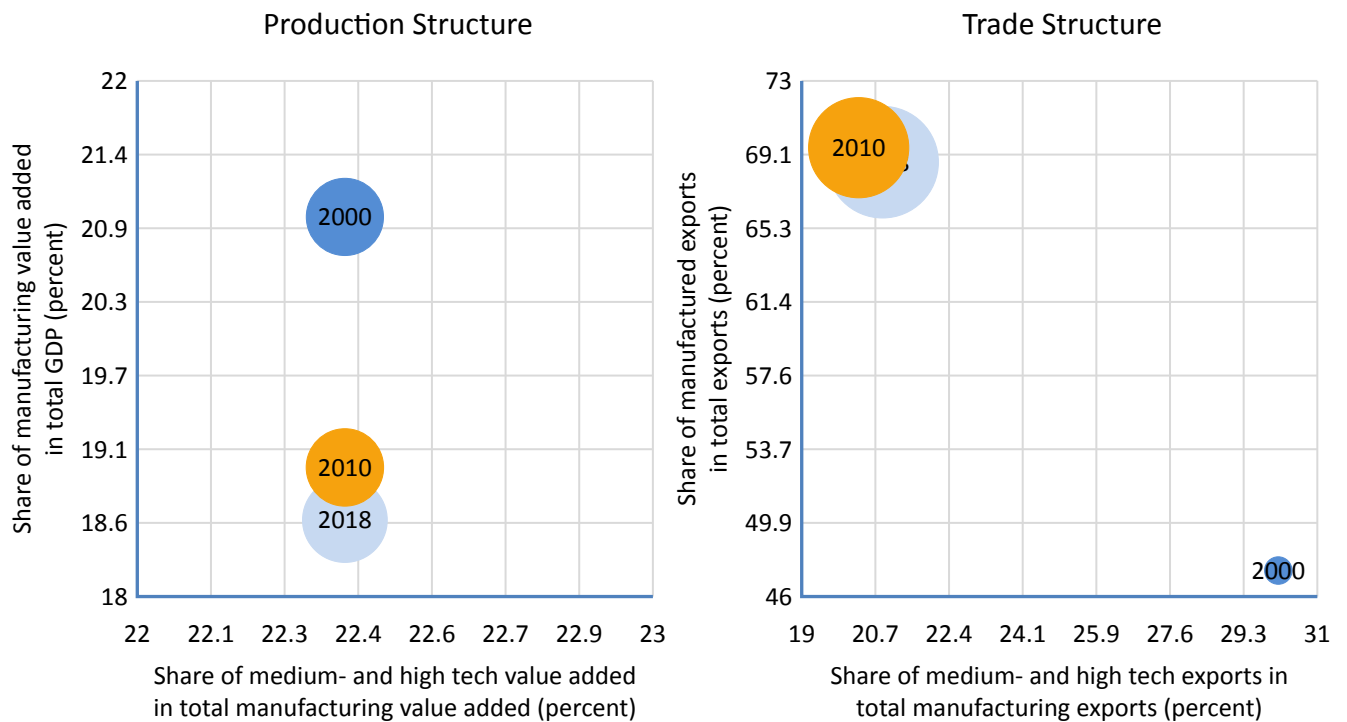
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	74	0.030	0.067	74 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	75	0.028	0.076	74	
Share of Manufacturing Value Added in GDP Index	27	0.521	0.343	24	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	72	0.278	0.302	73	
Industrialization Intensity Index	45	0.399	0.323	44	
Share of World Manufacturing Value Added Index	63	0.003	0.023	62	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	90	0.012	0.103	91	
Share of Manufacturing Exports in Total Exports Index	79	0.704	0.631	79	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	103	0.231	0.397	103	
Index Industrial Export Quality Index	85	0.468	0.514	83	
Share in World Manufacturing Export Index	76	0.003	0.039	76	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Haiti

Latin America
Least Developed Countries
Low Income

RANK 141
(index of 152 countries)

Score **0.002**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

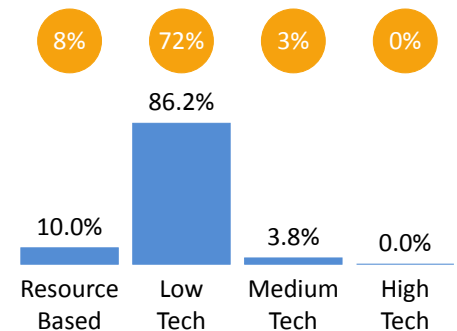
GDP: 8,703 million | 782 per capita

Manufacturing value added: 680.6 million | 61.2 per capita

Manufacturing exports: 50.3 million | 6.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

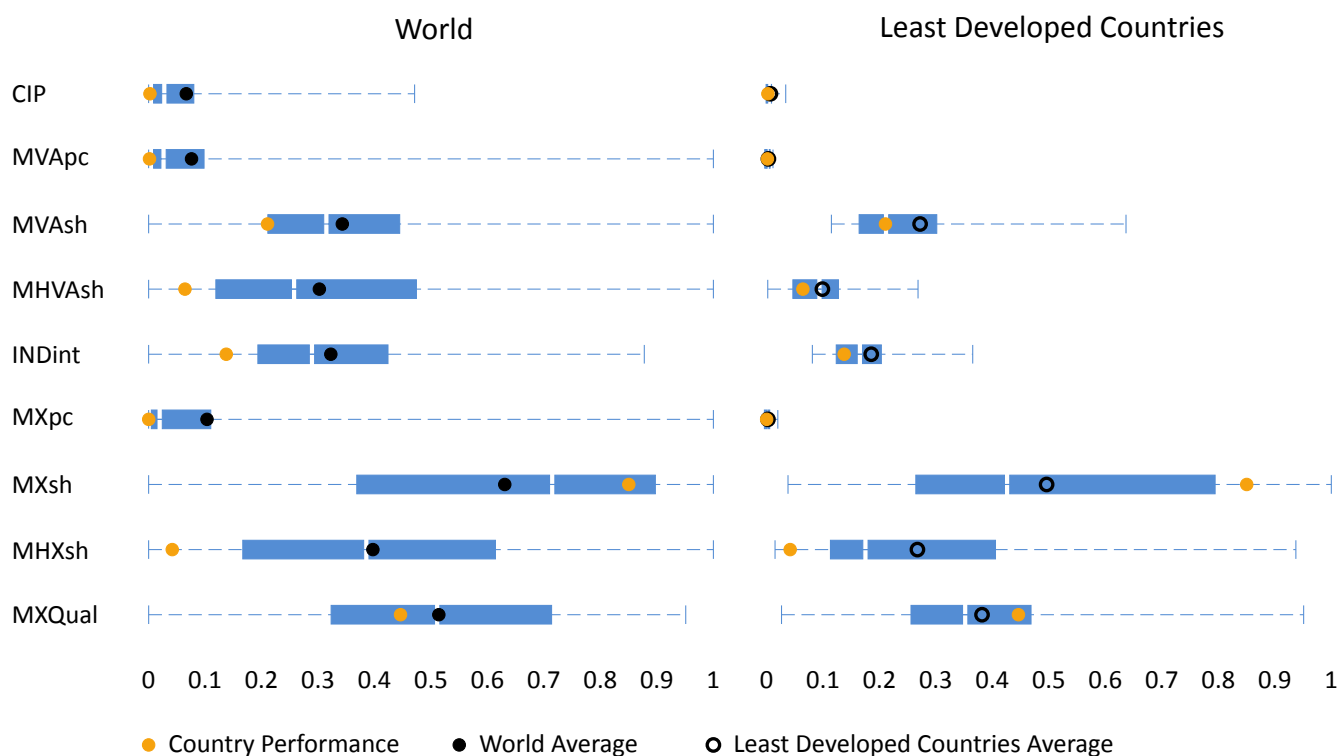


Performance indexes

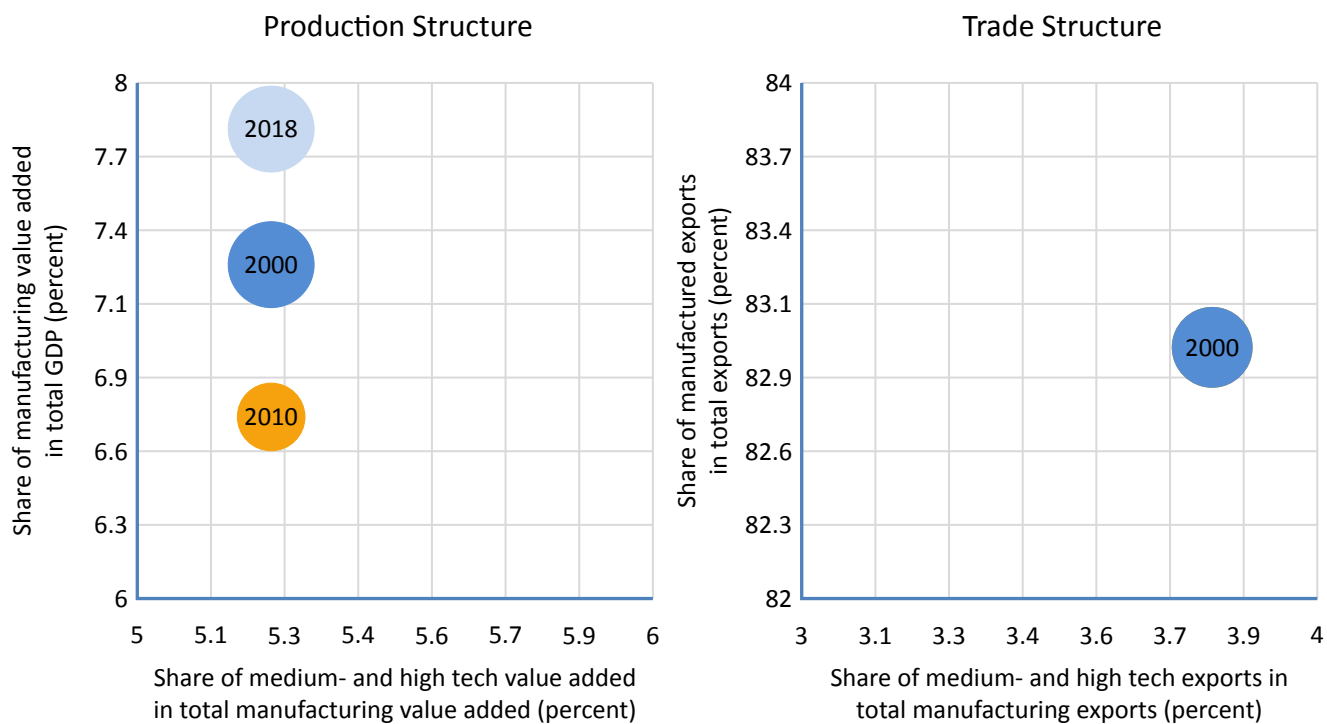
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	141	0.002	0.067	141 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	139	0.002	0.076	139	
Share of Manufacturing Value Added in GDP Index	115	0.211	0.343	114	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	131	0.064	0.302	131	
Industrialization Intensity Index	131	0.137	0.323	132	
Share of World Manufacturing Value Added Index	132	0.000	0.023	132	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	145	0.000	0.103	145	
Share of Manufacturing Exports in Total Exports Index	58	0.850	0.631	53	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	141	0.042	0.397	140	
Index Industrial Export Quality Index	88	0.446	0.514	86	
Share in World Manufacturing Export Index	137	0.000	0.039	137	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Honduras

Latin America
Other Developing Economies
Lower Middle Income

RANK 95
(index of 152 countries)

Score **0.016**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

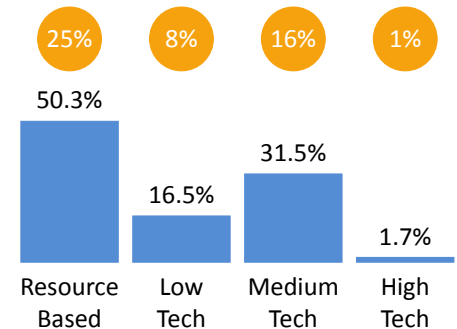
GDP: 23.7 billion | 2,468 per capita

Manufacturing value added: 4,100 million | 428 per capita

Manufacturing exports: 2,477 million | 263 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

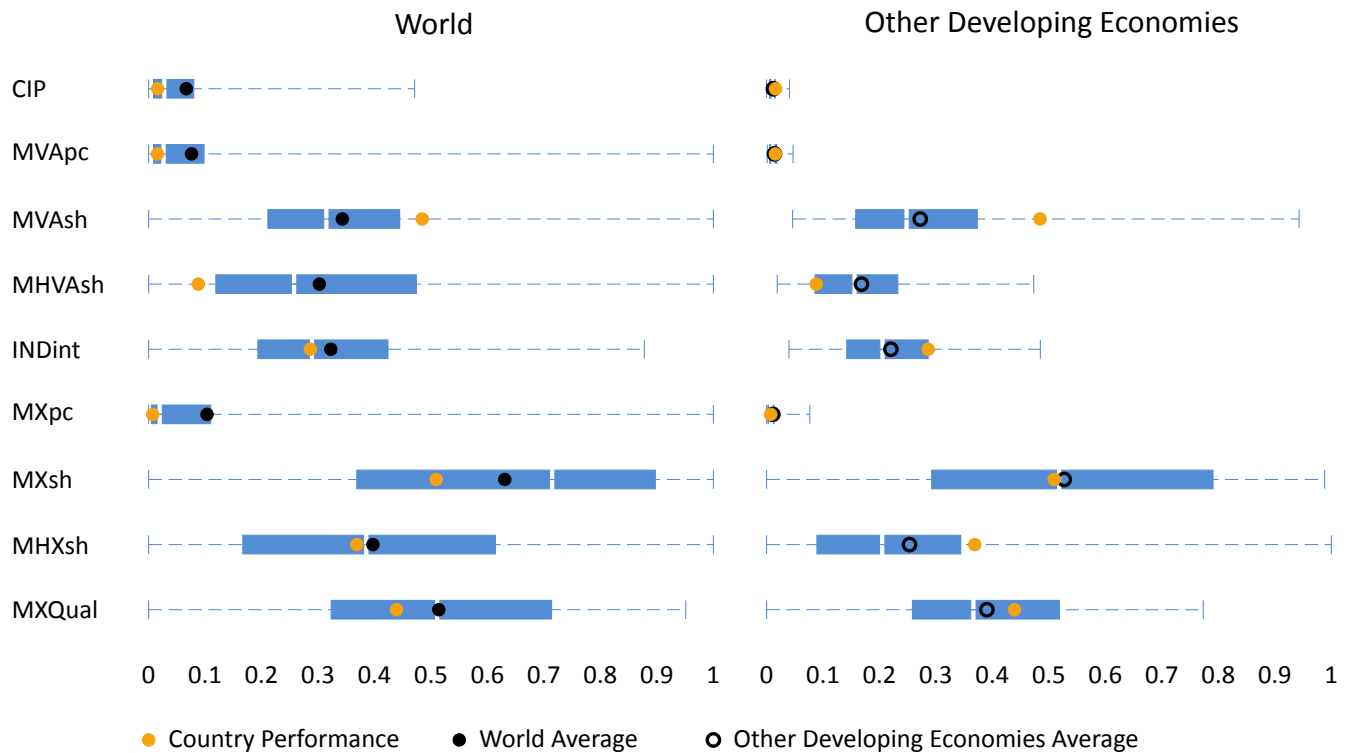


Performance indexes

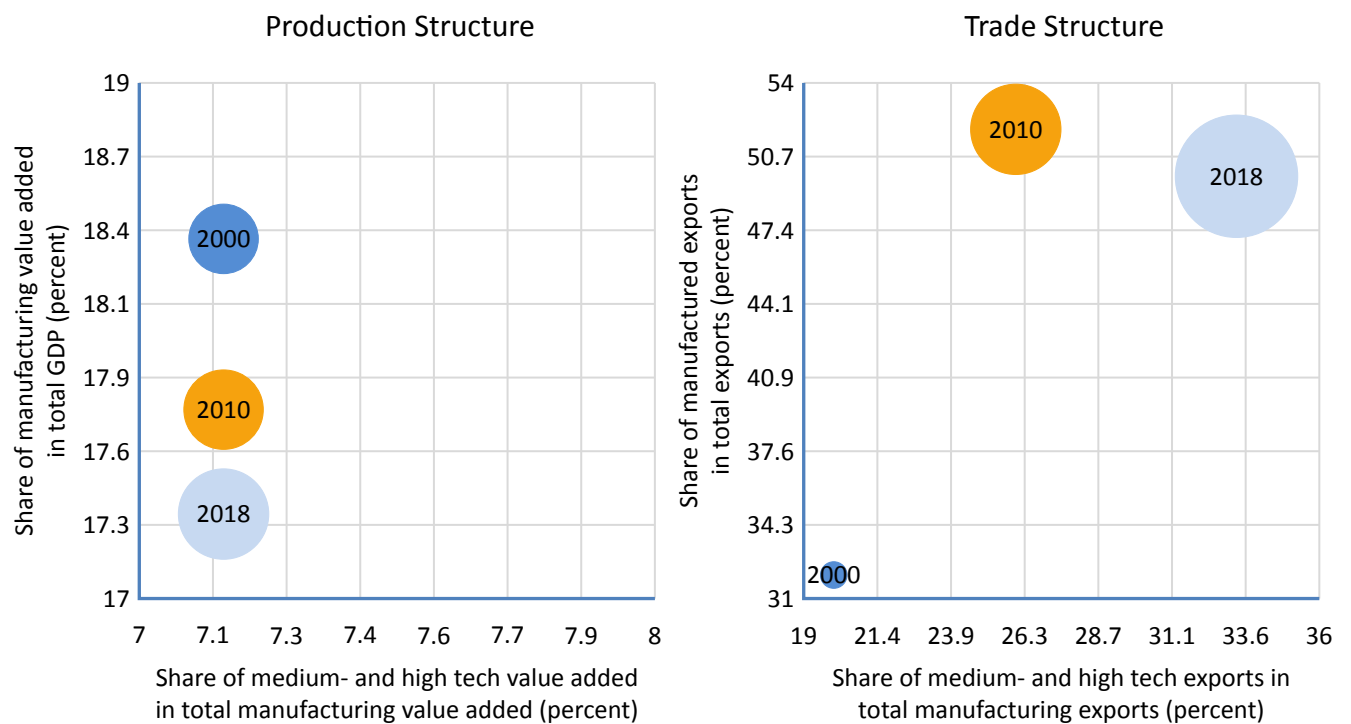
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	95	0.016	0.067	95 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	96	0.016	0.076	96	
Share of Manufacturing Value Added in GDP Index	30	0.484	0.343	30	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	124	0.088	0.302	123	
Industrialization Intensity Index	79	0.286	0.323	79	
Share of World Manufacturing Value Added Index	86	0.001	0.023	86	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	107	0.007	0.103	104	
Share of Manufacturing Exports in Total Exports Index	98	0.509	0.631	95	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	80	0.369	0.397	78	
Index Industrial Export Quality Index	89	0.439	0.514	87	
Share in World Manufacturing Export Index	98	0.001	0.039	93	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Hungary

Europe
Industrialized Economies
High Income

RANK 27
(index of 152 countries)

Score **0.139**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

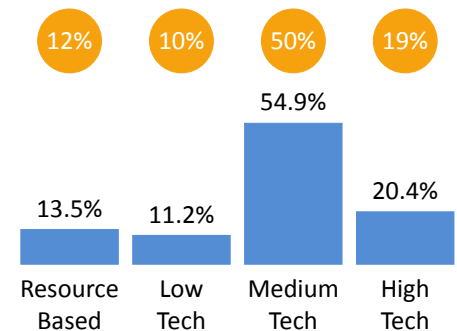
GDP: 137.6 billion | 14,171 per capita

Manufacturing value added: 28.6 billion | 2,942 per capita

Manufacturing exports: 113.9 billion | 11,734 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

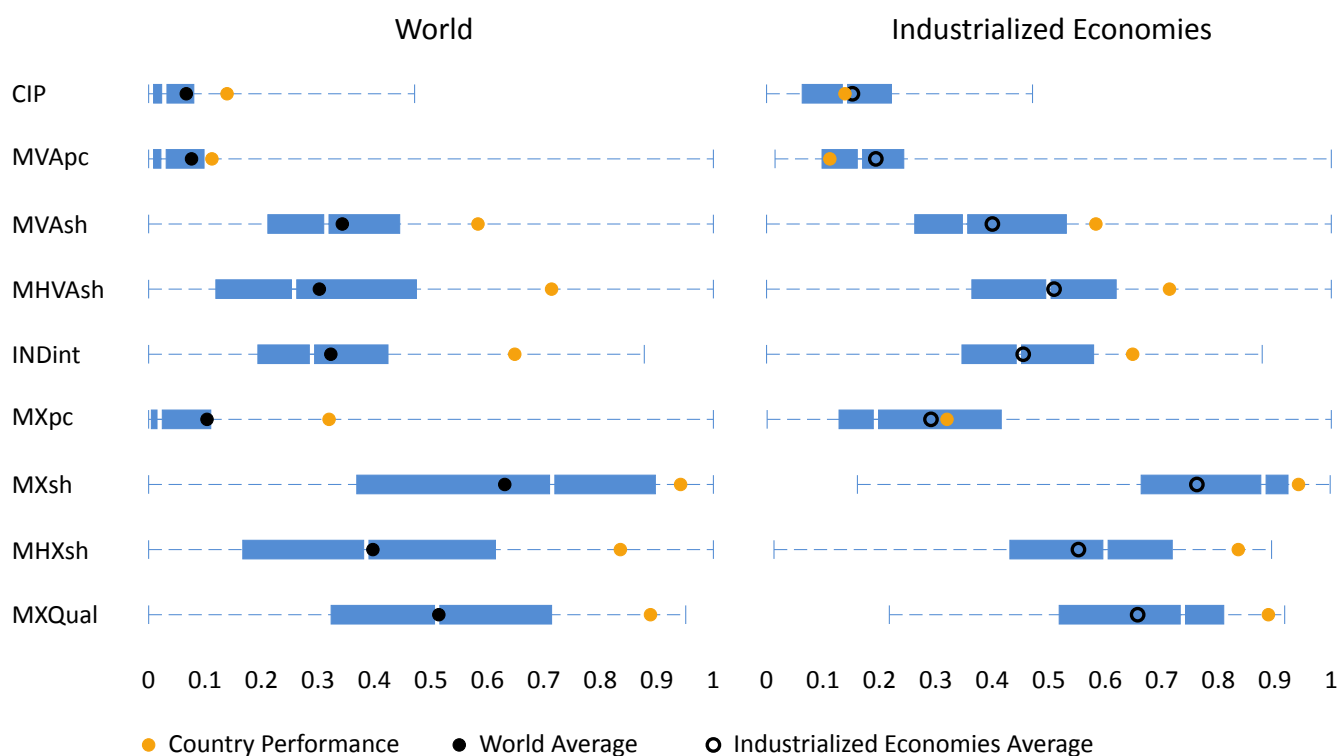


Performance indexes

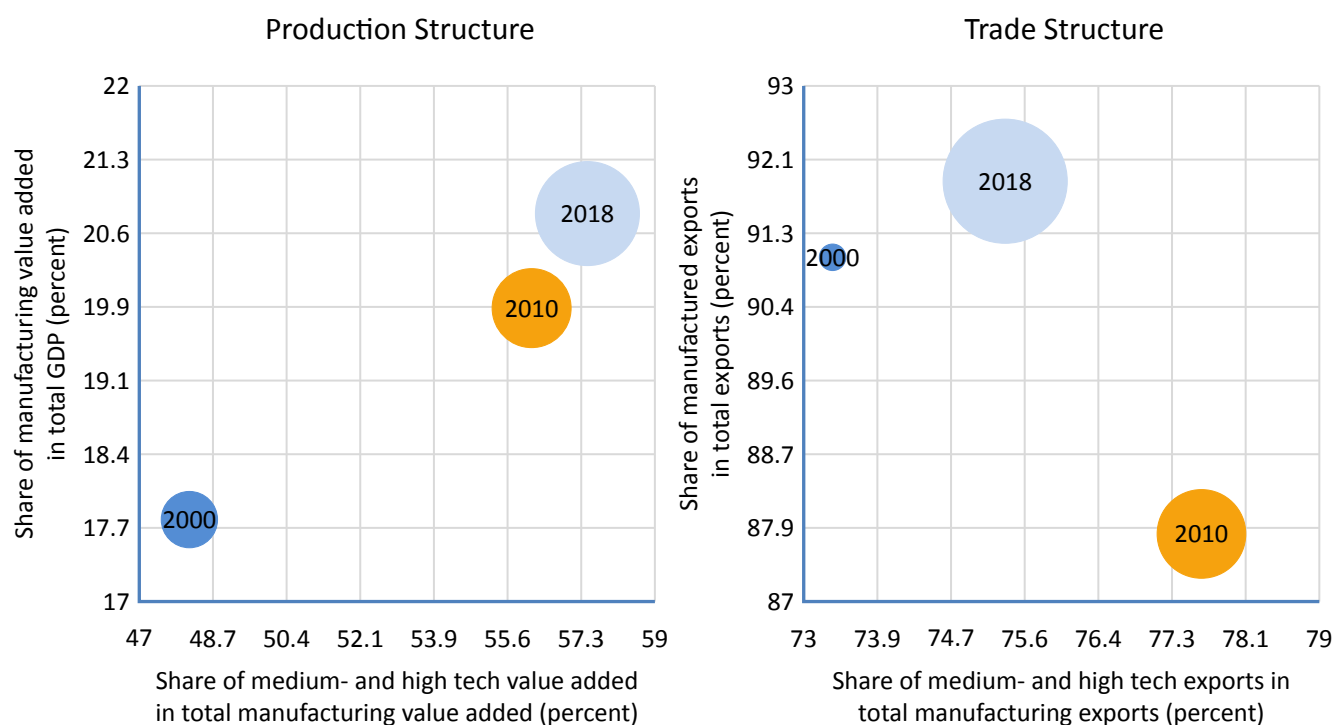
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	27	0.139	0.067	27 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	32	0.112	0.076	34	
Share of Manufacturing Value Added in GDP Index	15	0.583	0.343	19	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	6	0.713	0.302	6	
Industrialization Intensity Index	9	0.648	0.323	10	
Share of World Manufacturing Value Added Index	48	0.007	0.023	48	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	16	0.319	0.103	16	
Share of Manufacturing Exports in Total Exports Index	19	0.942	0.631	19	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	8	0.835	0.397	7	
Index Industrial Export Quality Index	6	0.889	0.514	6	
Share in World Manufacturing Export Index	30	0.047	0.039	30	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Iceland

Europe
Industrialized Economies
High Income

RANK 79
(index of 152 countries)

Score **0.026**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

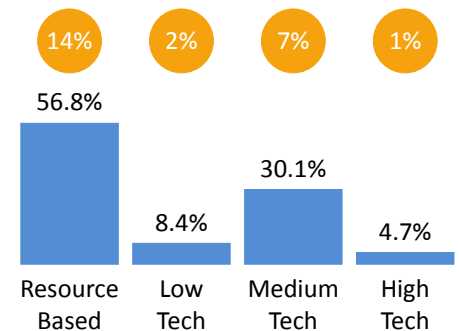
GDP: 20.3 billion | 60,276 per capita

Manufacturing value added: 1,773 million | 5,265 per capita

Manufacturing exports: 1,373 million | 4,078 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

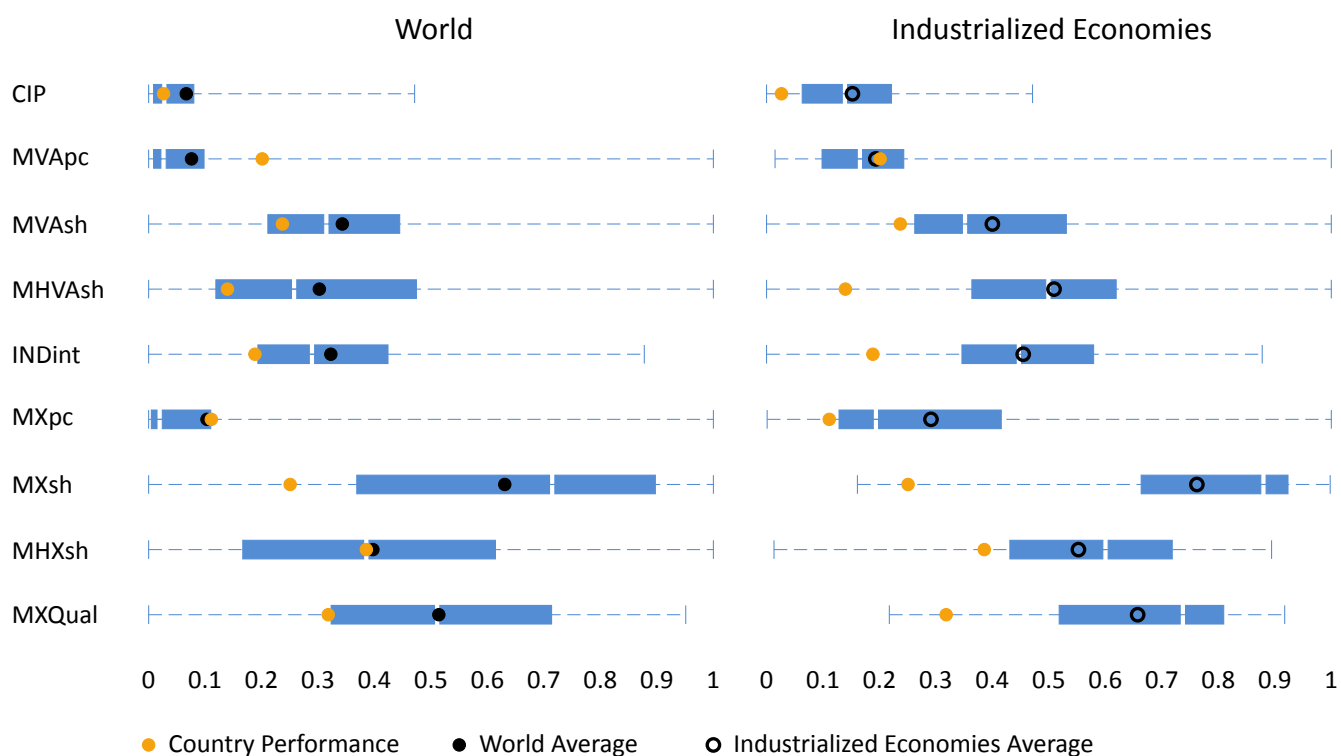


Performance indexes

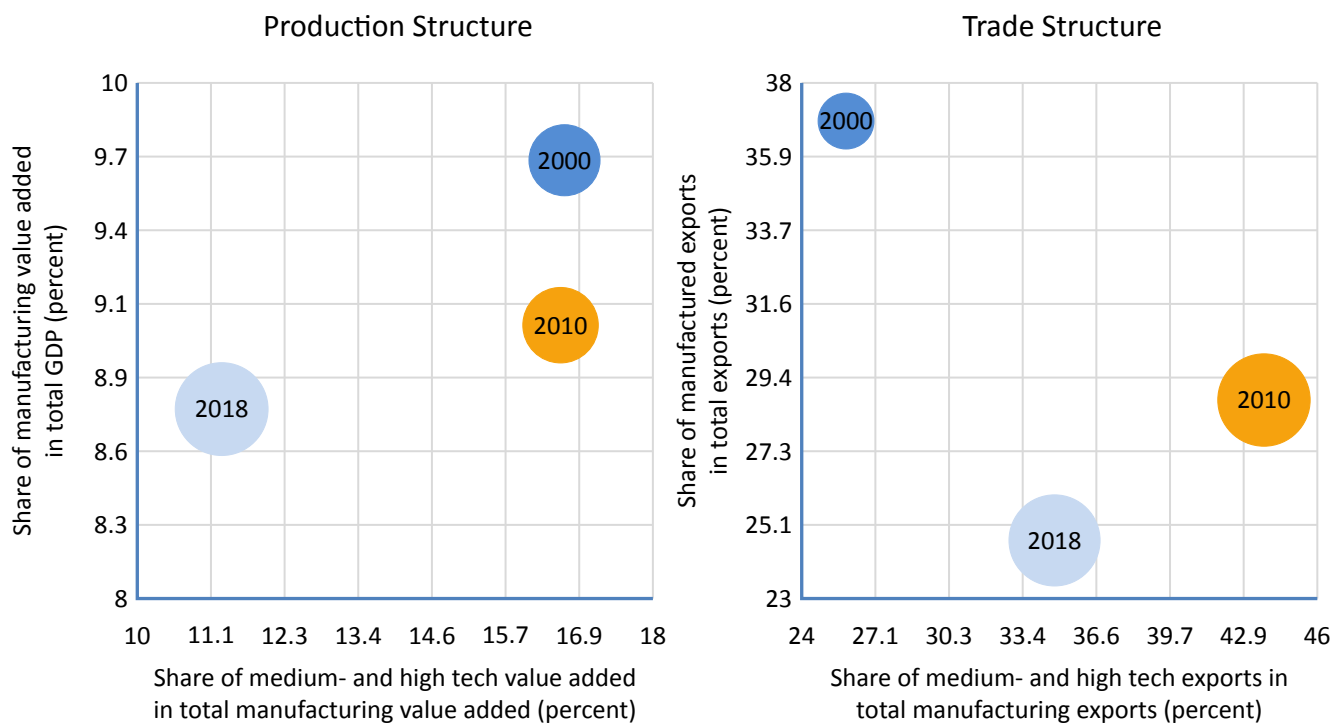
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	79	0.026	0.067	79 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	16	0.201	0.076	16	
Share of Manufacturing Value Added in GDP Index	107	0.237	0.343	106	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	107	0.140	0.302	122	
Industrialization Intensity Index	117	0.188	0.323	127	
Share of World Manufacturing Value Added Index	106	0.000	0.023	106	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	38	0.111	0.103	39	
Share of Manufacturing Exports in Total Exports Index	131	0.251	0.631	128	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	76	0.386	0.397	64	
Index Industrial Export Quality Index	116	0.318	0.514	104	
Share in World Manufacturing Export Index	115	0.001	0.039	114	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

India

Asia and Pacific
Emerging Industrial Economies
Lower Middle Income

RANK 42
(index of 152 countries)

Score **0.078**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

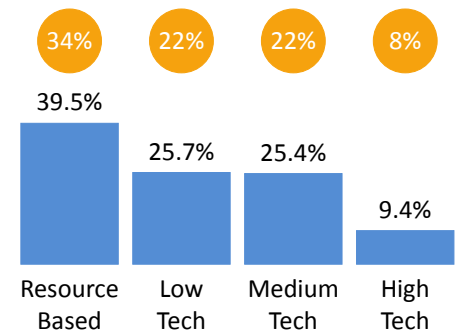
GDP: 2,619 billion | 1,936 per capita

Manufacturing value added: 404.2 billion | 299 per capita

Manufacturing exports: 281.1 billion | 208 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

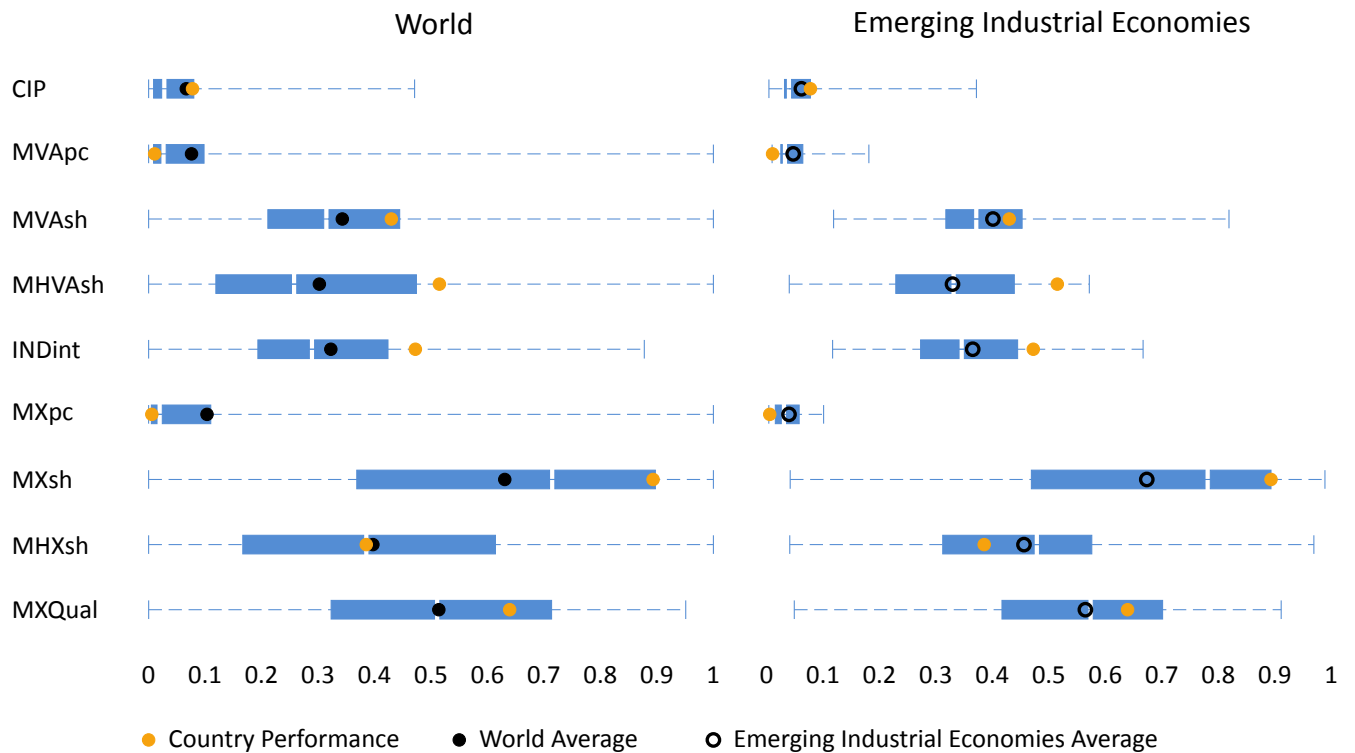


Performance indexes

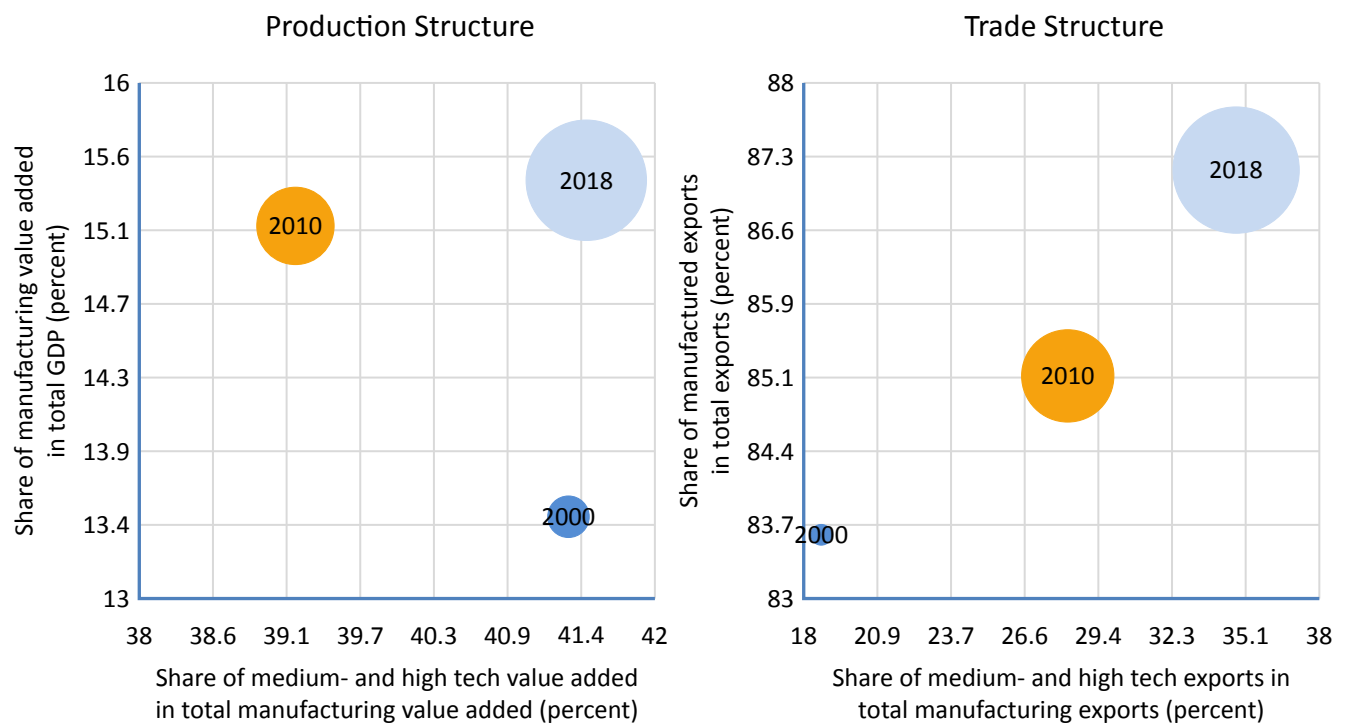
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	42	0.078	0.067	42 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	105	0.011	0.076	107	
Share of Manufacturing Value Added in GDP Index	45	0.430	0.343	45	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	28	0.515	0.302	29	
Industrialization Intensity Index	30	0.472	0.323	30	
Share of World Manufacturing Value Added Index	6	0.104	0.023	6	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	111	0.006	0.103	112	
Share of Manufacturing Exports in Total Exports Index	40	0.893	0.631	46	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	77	0.385	0.397	76	
Index Industrial Export Quality Index	53	0.639	0.514	53	
Share in World Manufacturing Export Index	14	0.117	0.039	14	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Indonesia

Asia and Pacific
Emerging Industrial Economies
Lower Middle Income

RANK 39
(index of 152 countries)

Score **0.08**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

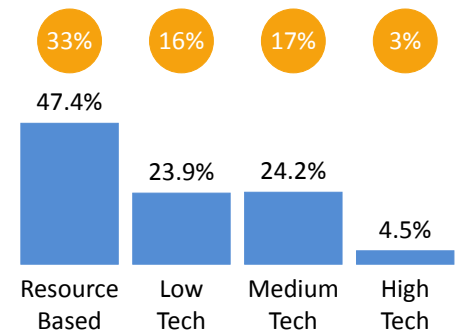
GDP: 999.1 billion | 3,733 per capita

Manufacturing value added: 207.3 billion | 774 per capita

Manufacturing exports: 124.1 billion | 464 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

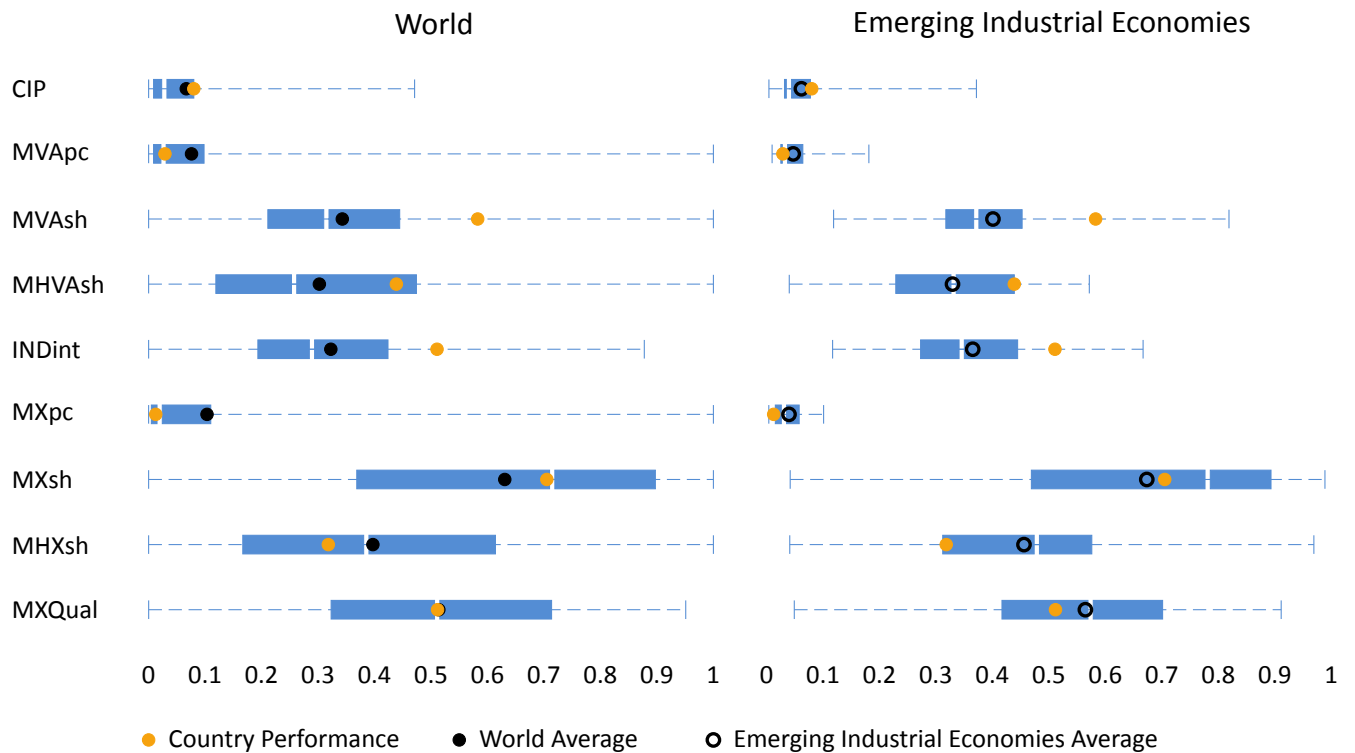


Performance indexes

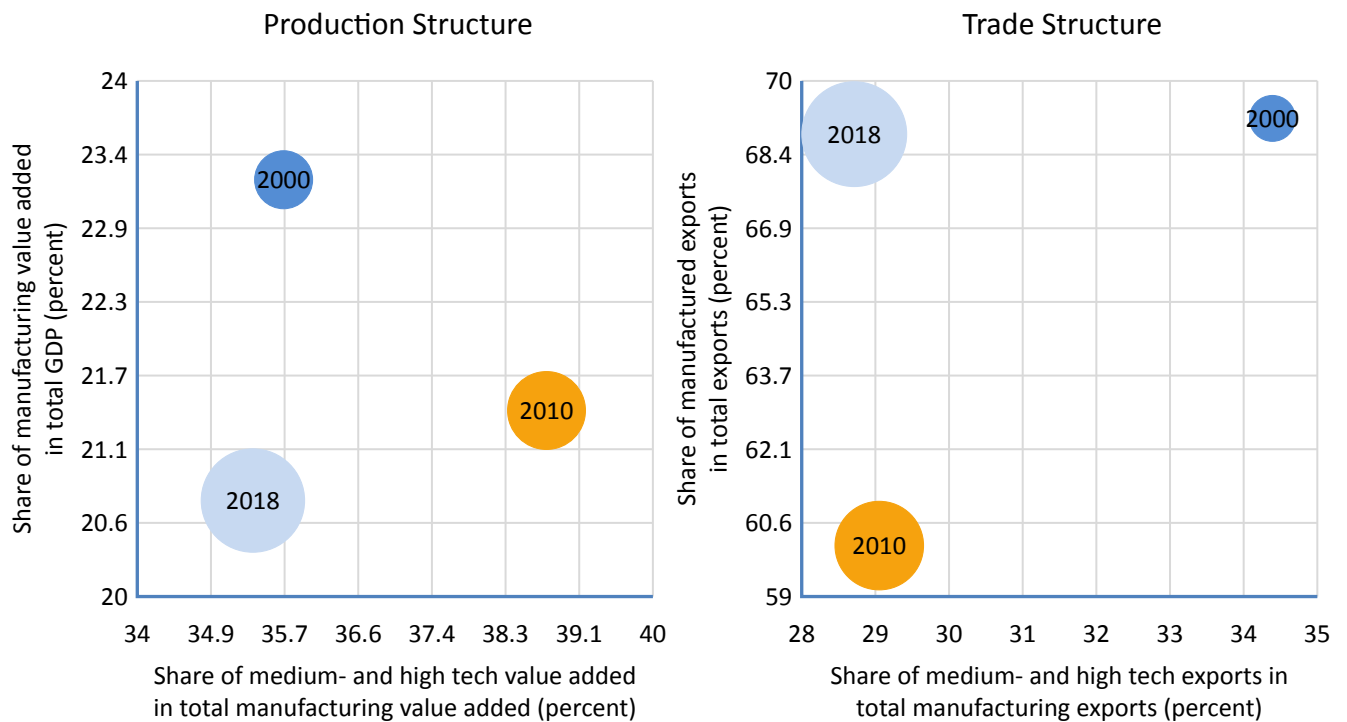
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	39	0.080	0.067	38 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	72	0.029	0.076	75	
Share of Manufacturing Value Added in GDP Index	16	0.583	0.343	15	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	44	0.439	0.302	44	
Industrialization Intensity Index	21	0.511	0.323	21	
Share of World Manufacturing Value Added Index	11	0.053	0.023	11	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	89	0.013	0.103	92	
Share of Manufacturing Exports in Total Exports Index	78	0.705	0.631	78	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	86	0.318	0.397	89	
Index Industrial Export Quality Index	76	0.512	0.514	74	
Share in World Manufacturing Export Index	29	0.052	0.039	29	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Iran (Islamic Republic of)

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 56
(index of 152 countries)

Score **0.052**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

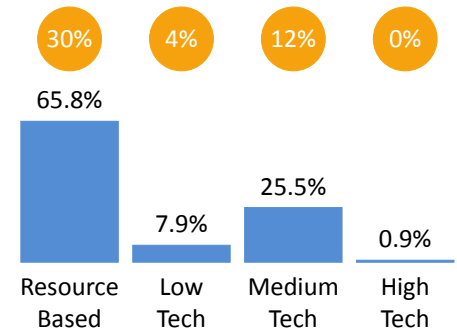
GDP: 440.5 billion | 5,385 per capita

Manufacturing value added: 53.3 billion | 652 per capita

Manufacturing exports: 48.6 billion | 602 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

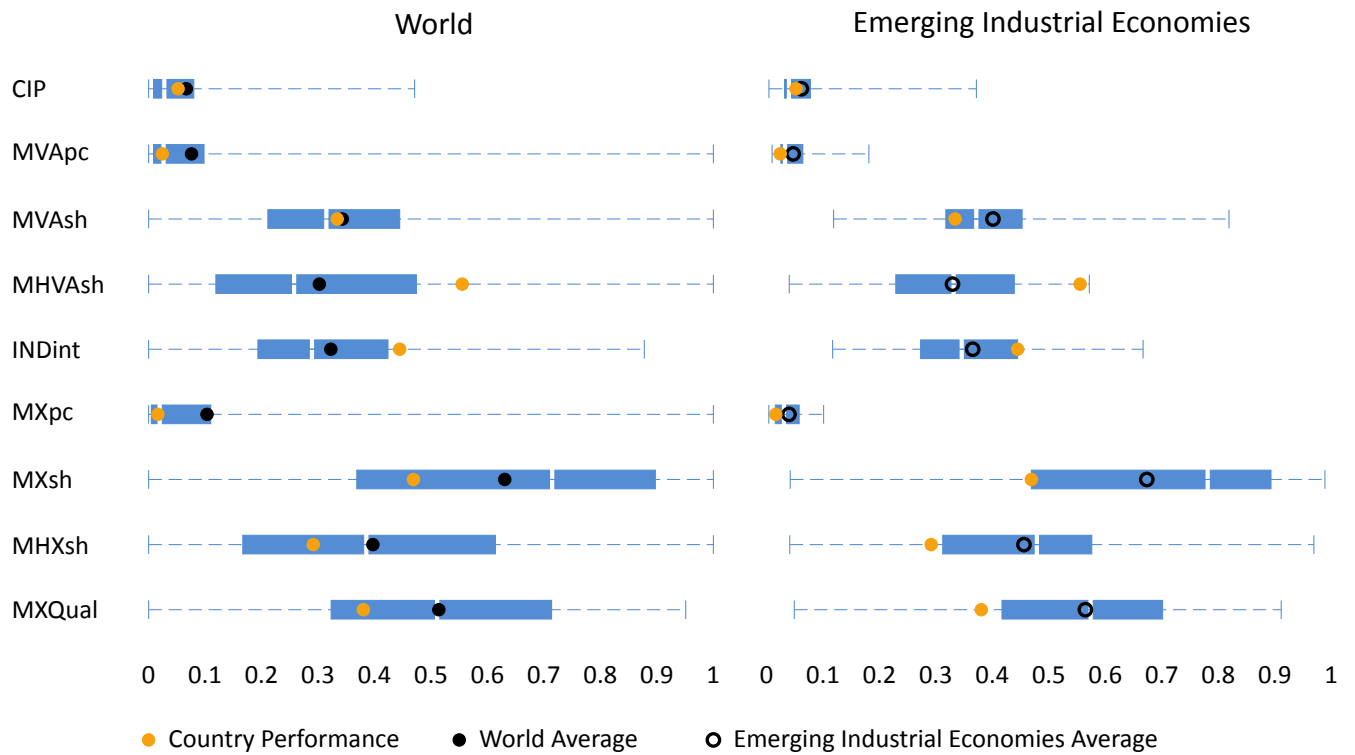


Performance indexes

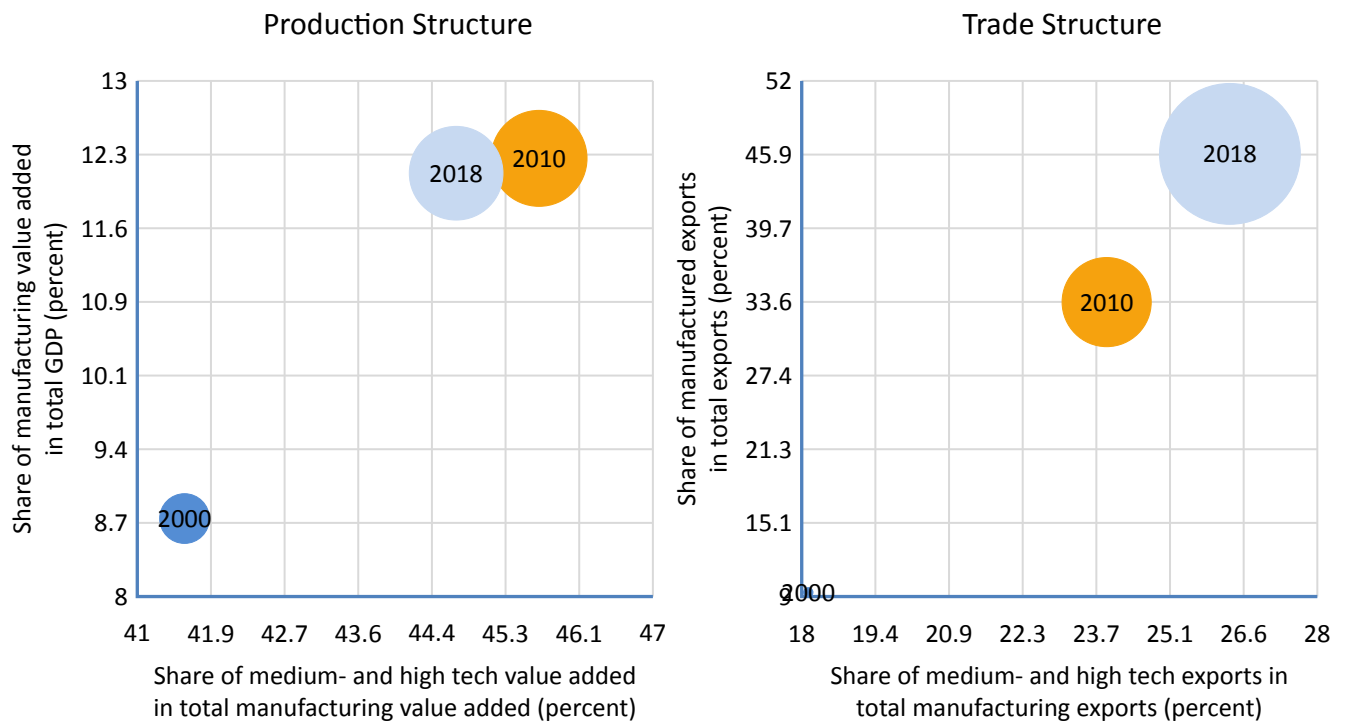
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	56	0.052	0.067	54 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	82	0.024	0.076	78	
Share of Manufacturing Value Added in GDP Index	71	0.334	0.343	74	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	22	0.555	0.302	24	
Industrialization Intensity Index	35	0.445	0.323	36	
Share of World Manufacturing Value Added Index	34	0.014	0.023	32	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	83	0.016	0.103	83	
Share of Manufacturing Exports in Total Exports Index	102	0.469	0.631	101	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	91	0.291	0.397	92	
Index Industrial Export Quality Index	99	0.380	0.514	99	
Share in World Manufacturing Export Index	41	0.022	0.039	40	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Iraq

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 147

(index of 152 countries)

Score **0.001**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

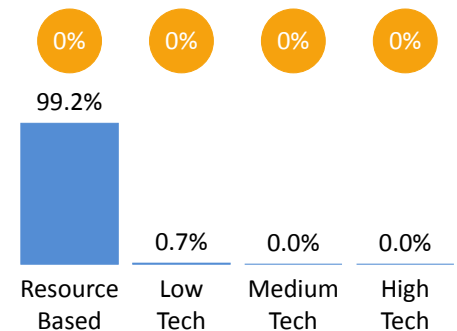
GDP: 177.6 billion | 4,620 per capita

Manufacturing value added: 4,277 million | 111 per capita

Manufacturing exports: 146.6 million | 4.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

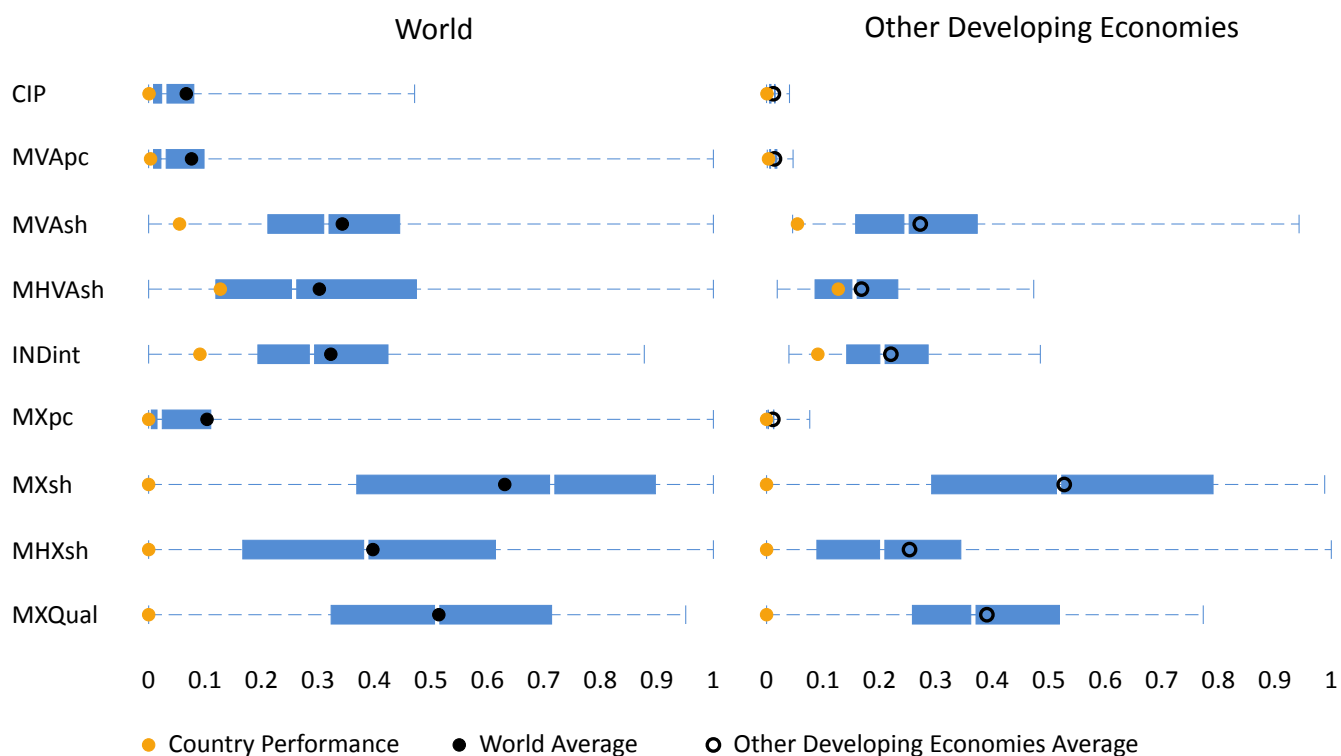


Performance indexes

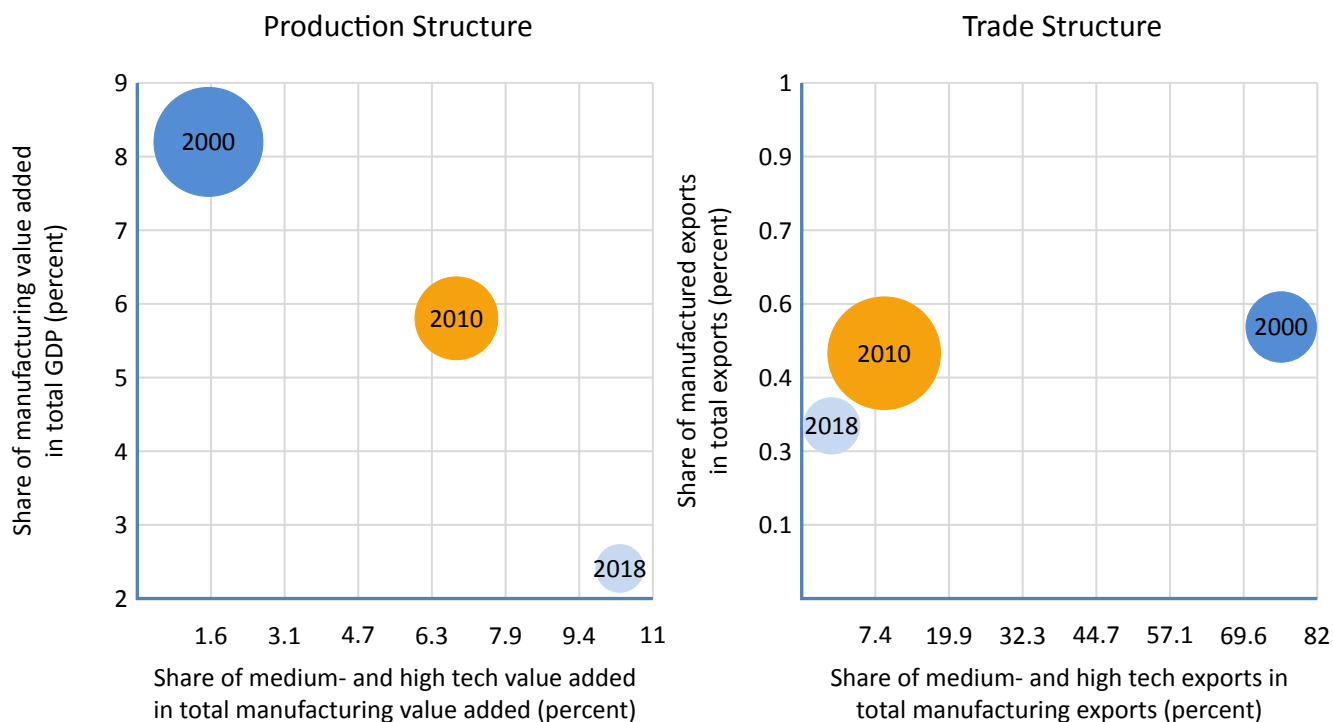
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	147	0.001	0.067	147 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	132	0.003	0.076	132	
Share of Manufacturing Value Added in GDP Index	146	0.055	0.343	146	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	111	0.127	0.302	110	
Industrialization Intensity Index	146	0.091	0.323	147	
Share of World Manufacturing Value Added Index	85	0.001	0.023	85	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	149	0.000	0.103	149	
Share of Manufacturing Exports in Total Exports Index	152	0.000	0.631	152	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	151	0.000	0.397	149	
Index Industrial Export Quality Index	152	0.000	0.514	152	
Share in World Manufacturing Export Index	136	0.000	0.039	136	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Ireland

Europe
Industrialized Economies
High Income

RANK 6
(index of 152 countries)

Score **0.33**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

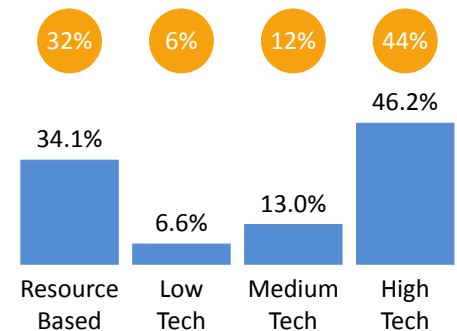
GDP: 356.7 billion | 74,033 per capita

Manufacturing value added: 125.7 billion | 26,090 per capita

Manufacturing exports: 158.4 billion | 32,873 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

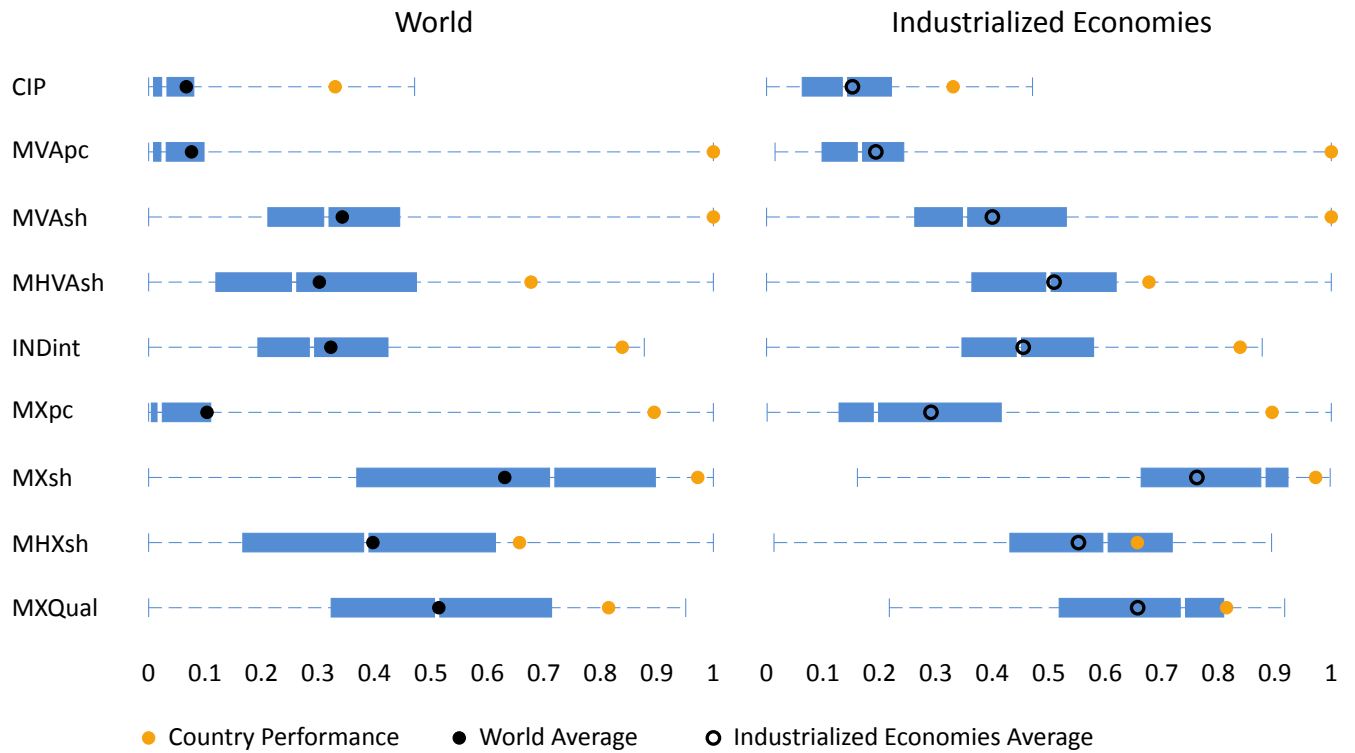


Performance indexes

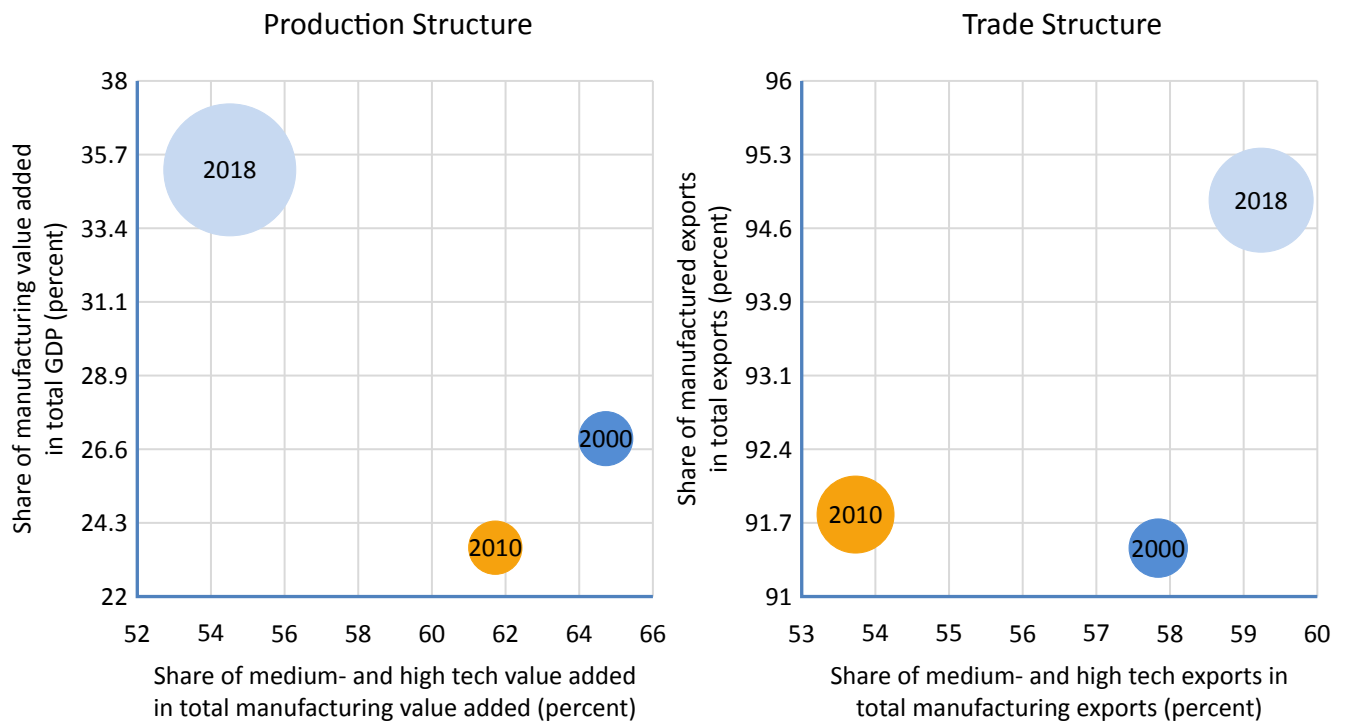
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	6	0.330	0.067	6 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	1	1.000	0.076	1	
Share of Manufacturing Value Added in GDP Index	1	1.000	0.343	1	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	9	0.677	0.302	9	
Industrialization Intensity Index	2	0.839	0.323	2	
Share of World Manufacturing Value Added Index	19	0.032	0.023	20	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	2	0.895	0.103	3	
Share of Manufacturing Exports in Total Exports Index	11	0.972	0.631	12	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	30	0.657	0.397	29	
Index Industrial Export Quality Index	17	0.814	0.514	16	
Share in World Manufacturing Export Index	24	0.066	0.039	28	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Israel

Asia and Pacific
Industrialized Economies
High Income

RANK 28
(index of 152 countries)

Score **0.121**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

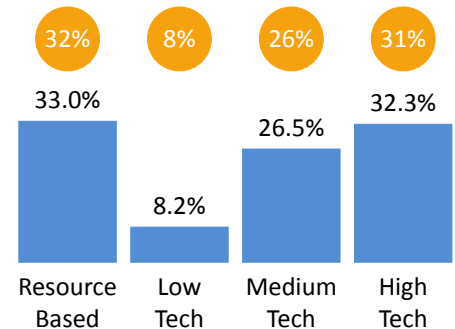
GDP: 334.4 billion | 39,903 per capita

Manufacturing value added: 40.6 billion | 4,847 per capita






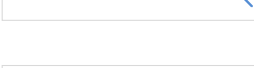





Manufacturing exports: 60.0 billion | 7,162 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

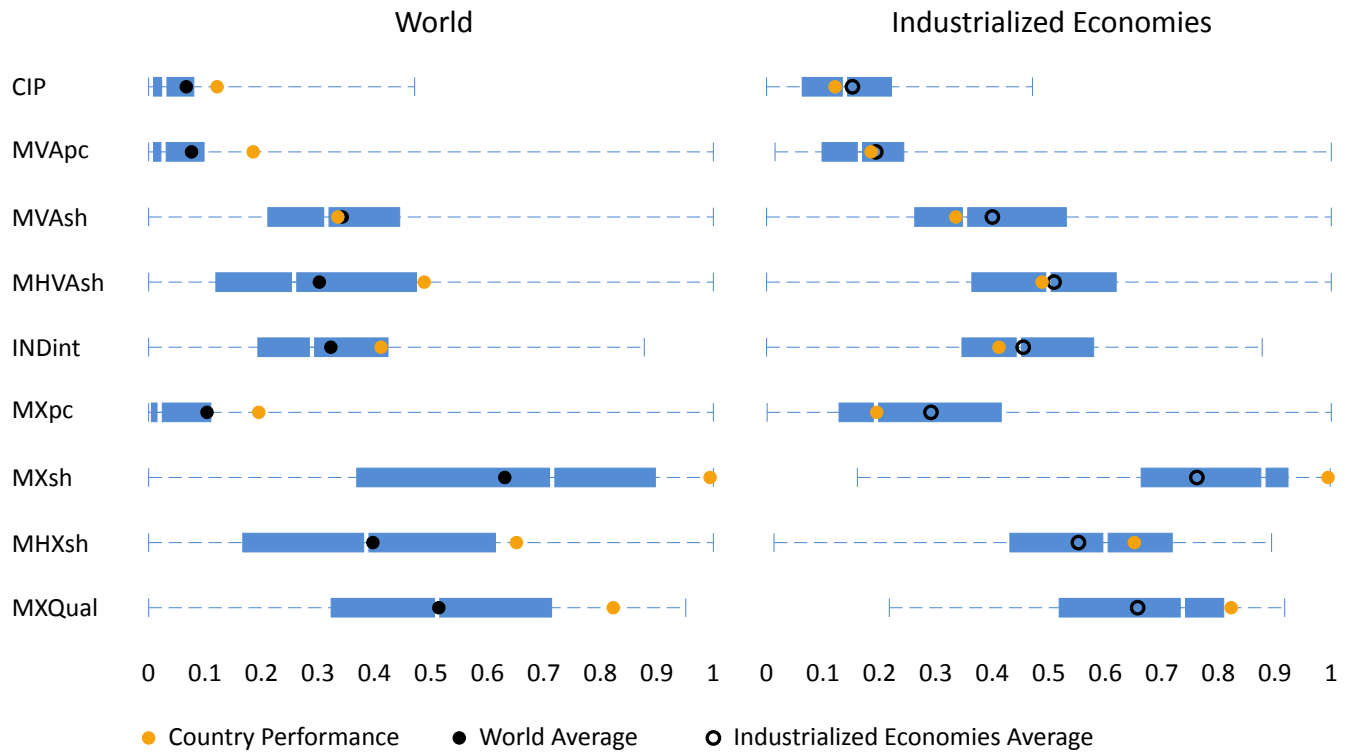


Performance indexes

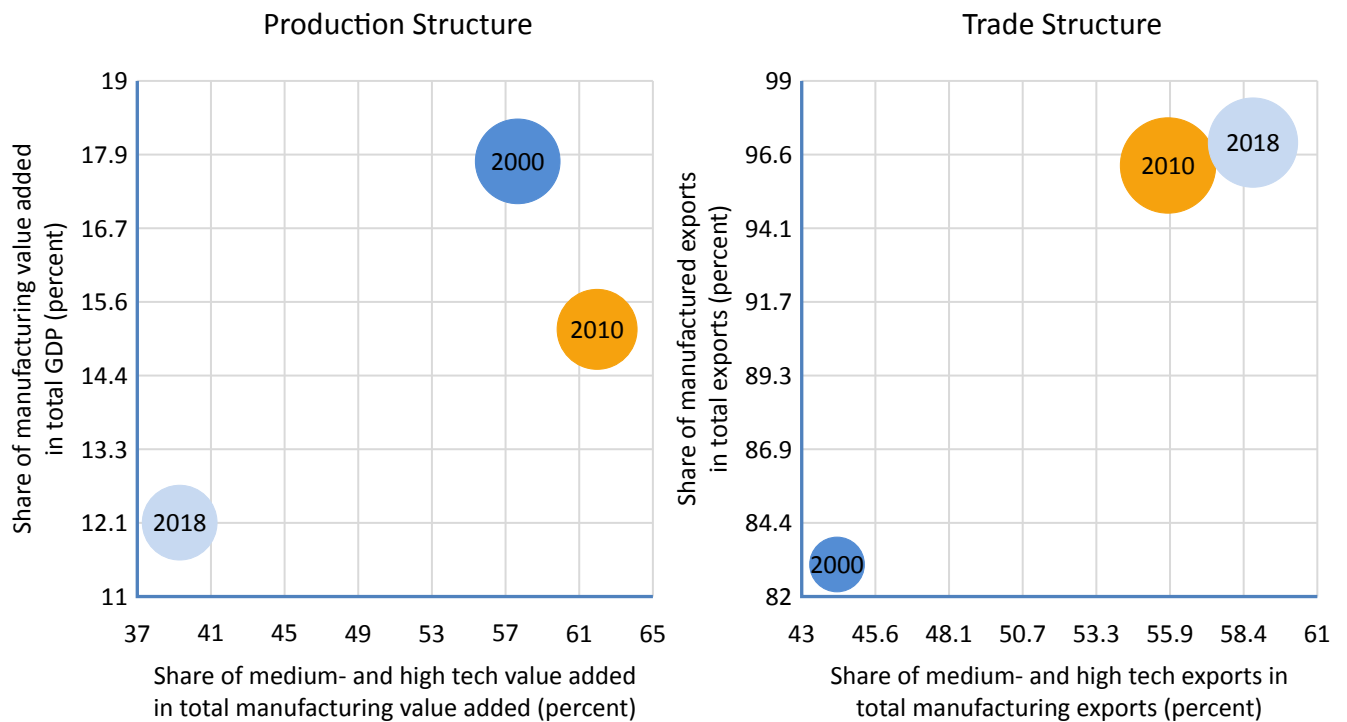
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	28	0.121	0.067	28 →	1990  2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	20	0.185	0.076	18	
Share of Manufacturing Value Added in GDP Index	70	0.335	0.343	67	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	36	0.488	0.302	37	
Industrialization Intensity Index	42	0.411	0.323	43	
Share of World Manufacturing Value Added Index	39	0.010	0.023	39	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	23	0.195	0.103	23	
Share of Manufacturing Exports in Total Exports Index	3	0.994	0.631	3	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	32	0.651	0.397	31	
Index Industrial Export Quality Index	15	0.823	0.514	13	
Share in World Manufacturing Export Index	39	0.025	0.039	36	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Italy

Europe
Industrialized Economies
High Income

RANK 11
(index of 152 countries)

Score **0.244**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

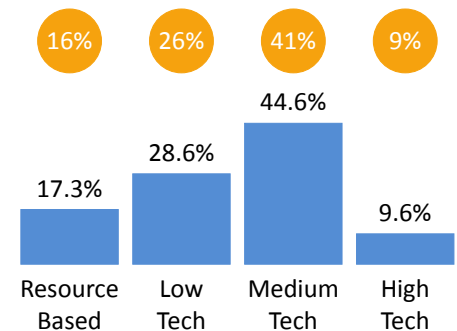
GDP: 1,899 billion | 31,315 per capita

Manufacturing value added: 282.8 billion | 4,665 per capita

Manufacturing exports: 487.1 billion | 8,035 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

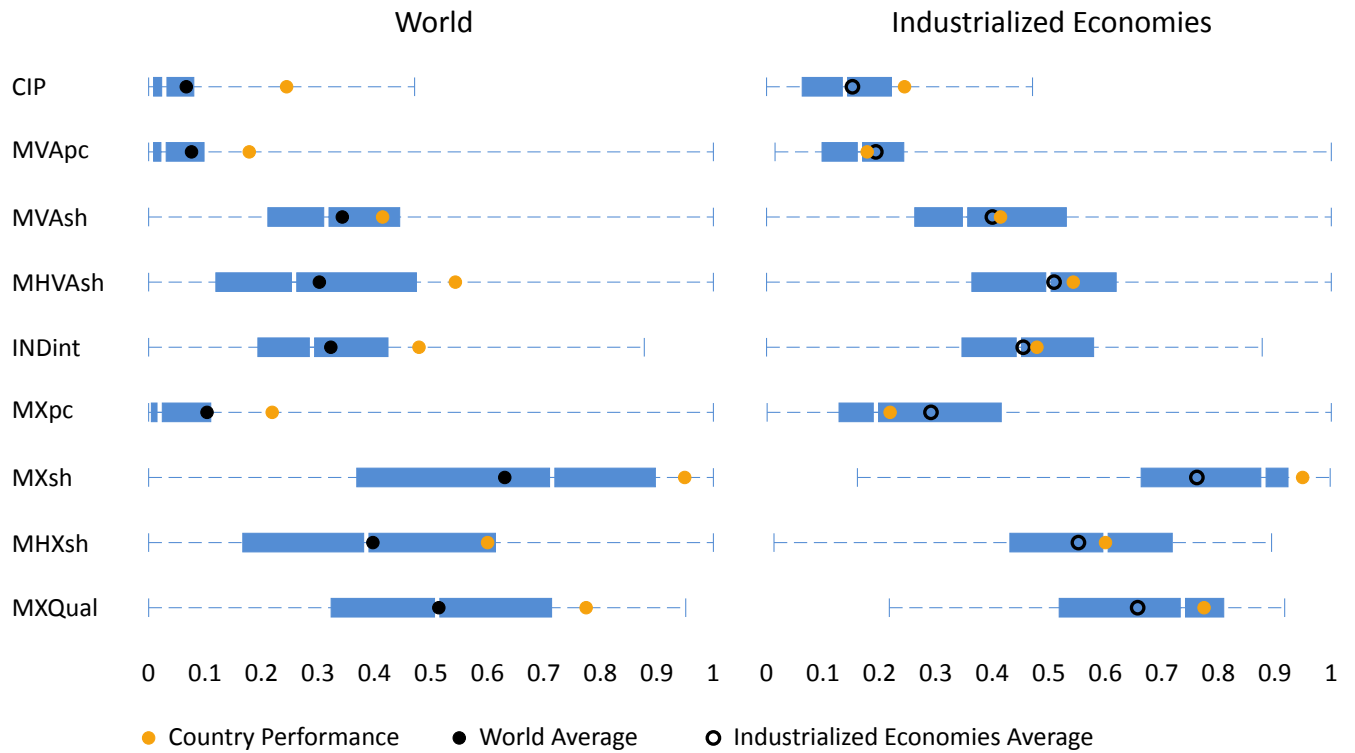


Performance indexes

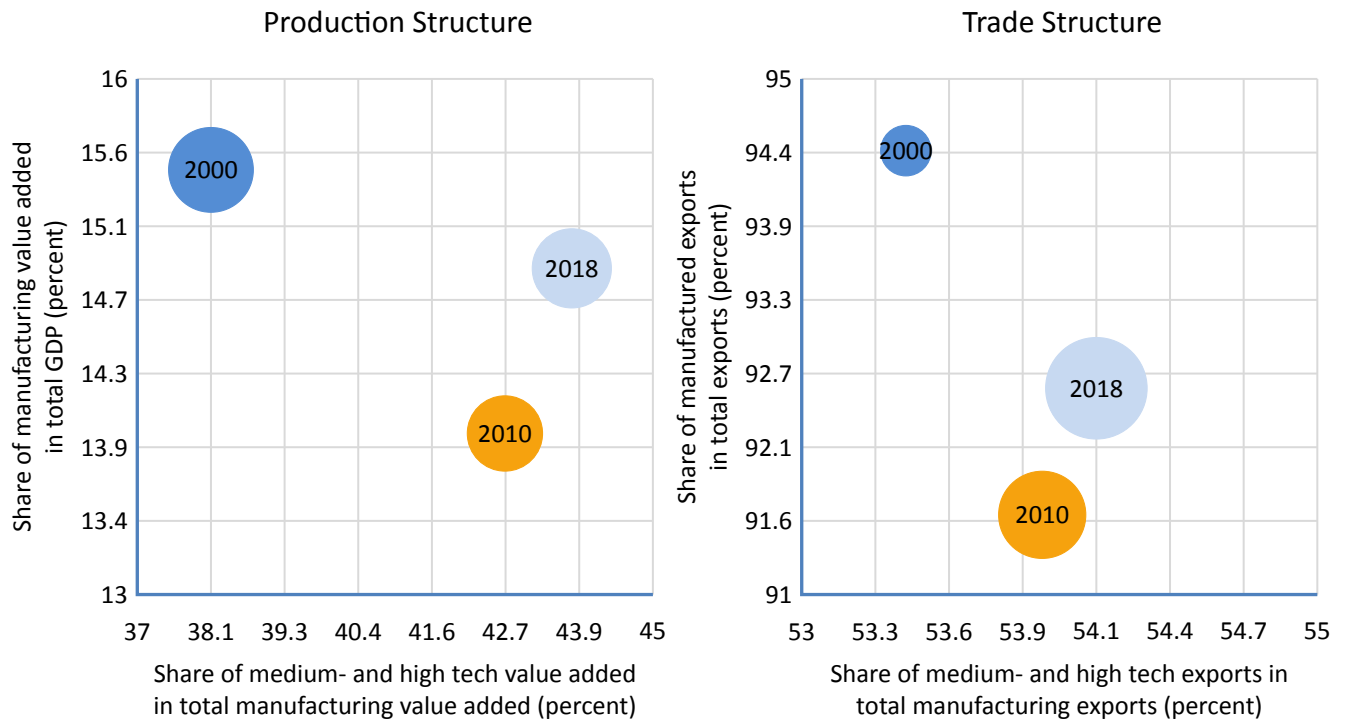
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	11	0.244	0.067	11 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	23	0.178	0.076	23	
Share of Manufacturing Value Added in GDP Index	48	0.414	0.343	48	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	25	0.543	0.302	23	
Industrialization Intensity Index	27	0.479	0.323	26	
Share of World Manufacturing Value Added Index	7	0.073	0.023	7	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	20	0.219	0.103	21	
Share of Manufacturing Exports in Total Exports Index	16	0.949	0.631	14	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	41	0.600	0.397	37	
Index Industrial Export Quality Index	23	0.775	0.514	24	
Share in World Manufacturing Export Index	7	0.203	0.039	7	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Jamaica

Latin America
Other Developing Economies
Upper Middle Income

RANK 108
(index of 152 countries)

Score **0.011**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

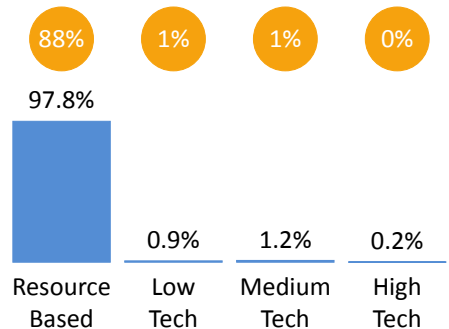
GDP: 14.8 billion | 5,031 per capita

Manufacturing value added: 1,151 million | 392 per capita

Manufacturing exports: 1,115 million | 382 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

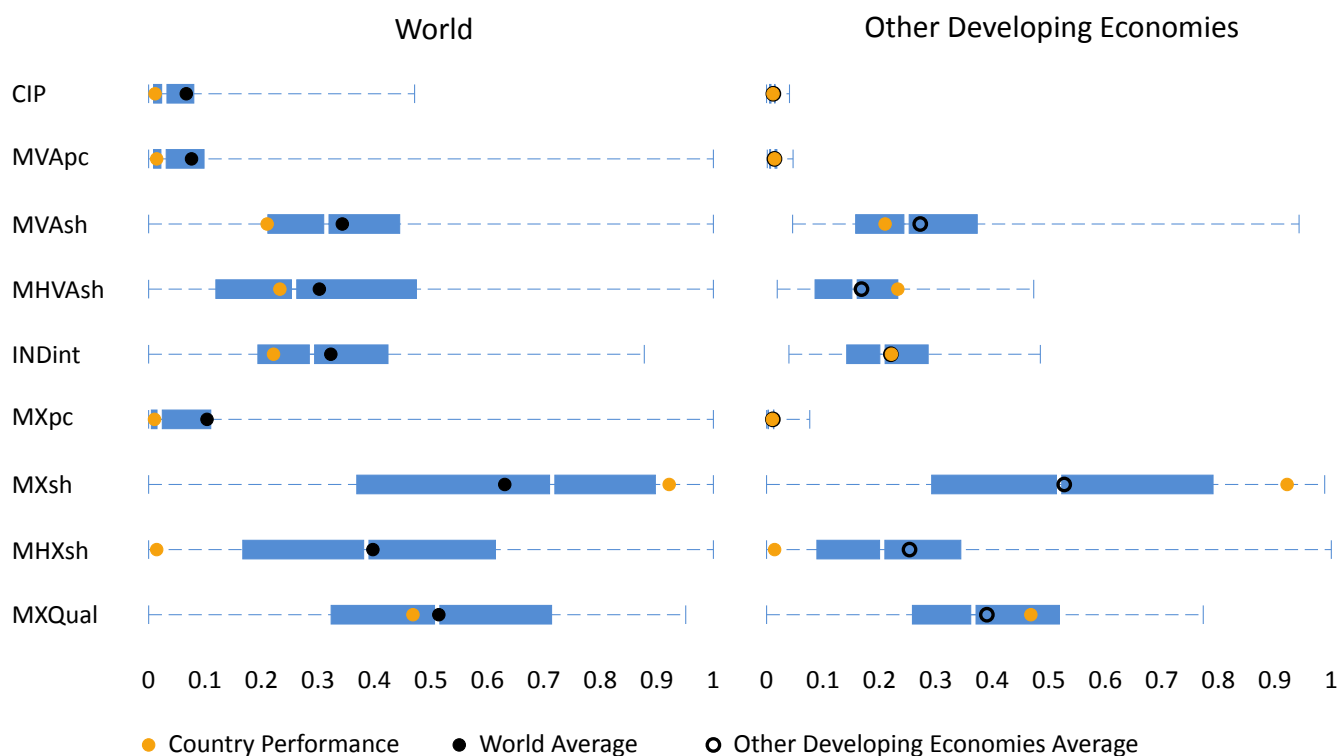


Performance indexes

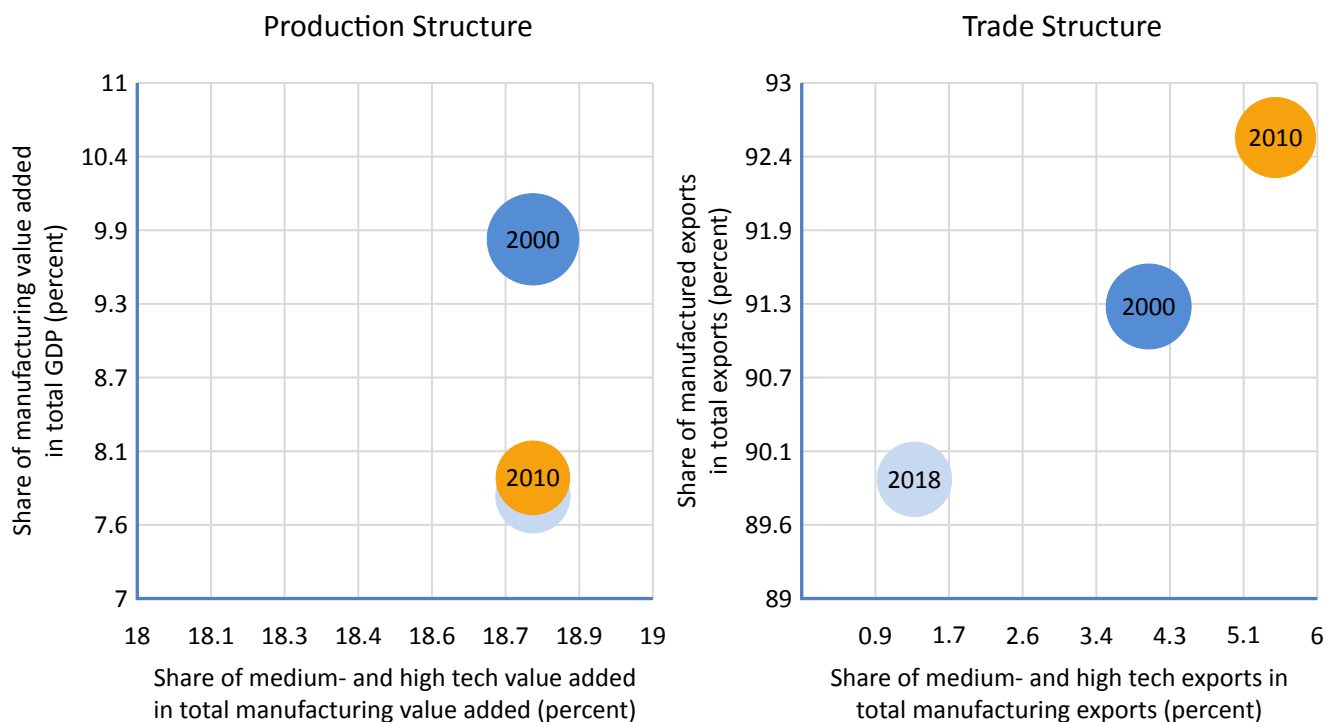
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	108	0.011	0.067	105 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	101	0.014	0.076	98	
Share of Manufacturing Value Added in GDP Index	116	0.210	0.343	113	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	82	0.232	0.302	86	
Industrialization Intensity Index	102	0.221	0.323	104	
Share of World Manufacturing Value Added Index	120	0.000	0.023	119	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	97	0.010	0.103	96	
Share of Manufacturing Exports in Total Exports Index	27	0.922	0.631	25	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	147	0.014	0.397	145	
Index Industrial Export Quality Index	84	0.468	0.514	81	
Share in World Manufacturing Export Index	118	0.000	0.039	117	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Japan

Asia and Pacific
Industrialized Economies
High Income

RANK 5
(index of 152 countries)

Score **0.344**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

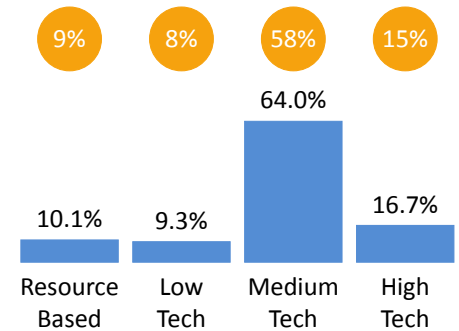
GDP: 4,550 billion | 35,769 per capita

Manufacturing value added: 961.1 billion | 7,556 per capita

Manufacturing exports: 667.8 billion | 5,250 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

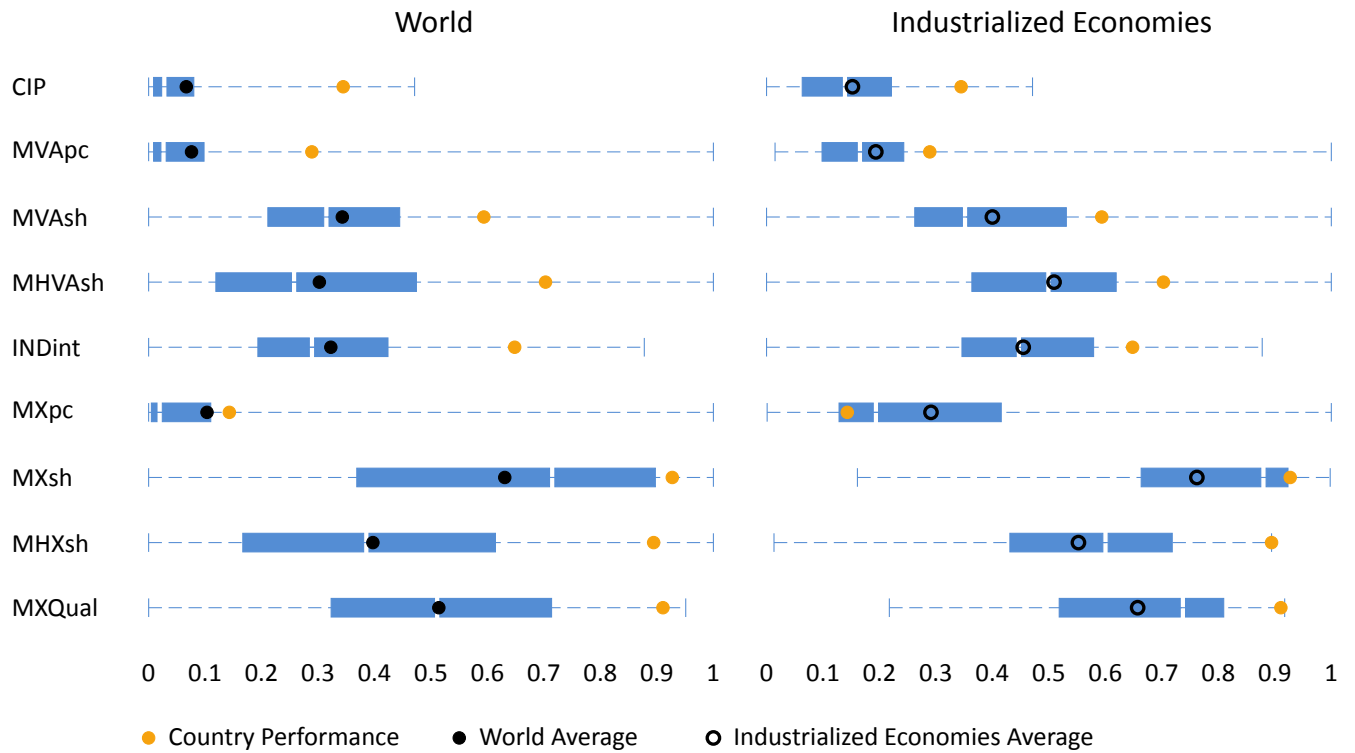


Performance indexes

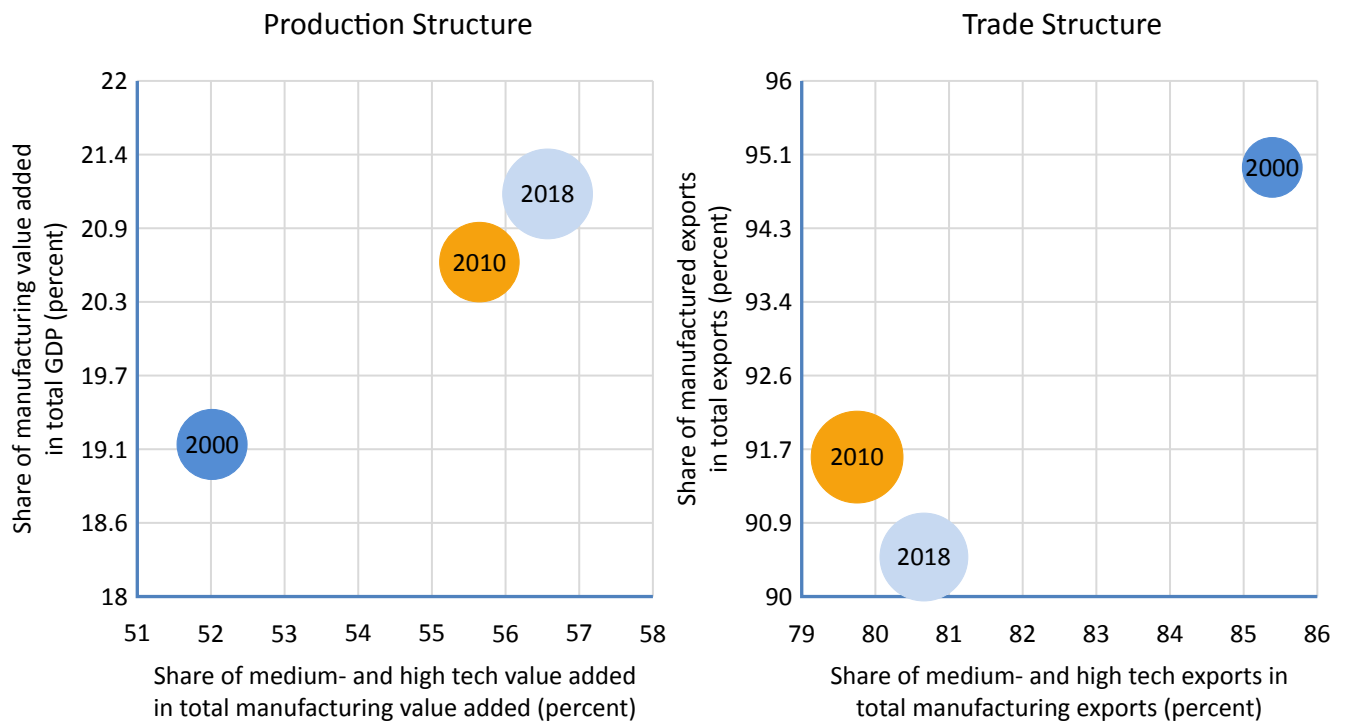
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	5	0.344	0.067	5 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	7	0.289	0.076	7	
Share of Manufacturing Value Added in GDP Index	14	0.594	0.343	13	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	7	0.703	0.302	7	
Industrialization Intensity Index	10	0.648	0.323	9	
Share of World Manufacturing Value Added Index	3	0.247	0.023	3	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	34	0.143	0.103	33	
Share of Manufacturing Exports in Total Exports Index	21	0.927	0.631	24	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	6	0.894	0.397	3	
Index Industrial Export Quality Index	4	0.911	0.514	4	
Share in World Manufacturing Export Index	4	0.278	0.039	4	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Jordan

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 76
(index of 152 countries)

Score **0.028**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

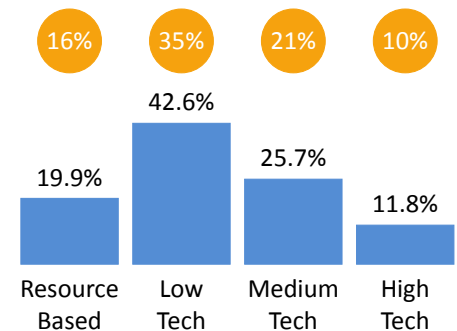
GDP: 40.3 billion | 4,043 per capita

Manufacturing value added: 7,629 million | 766 per capita

Manufacturing exports: 5,429 million | 545 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

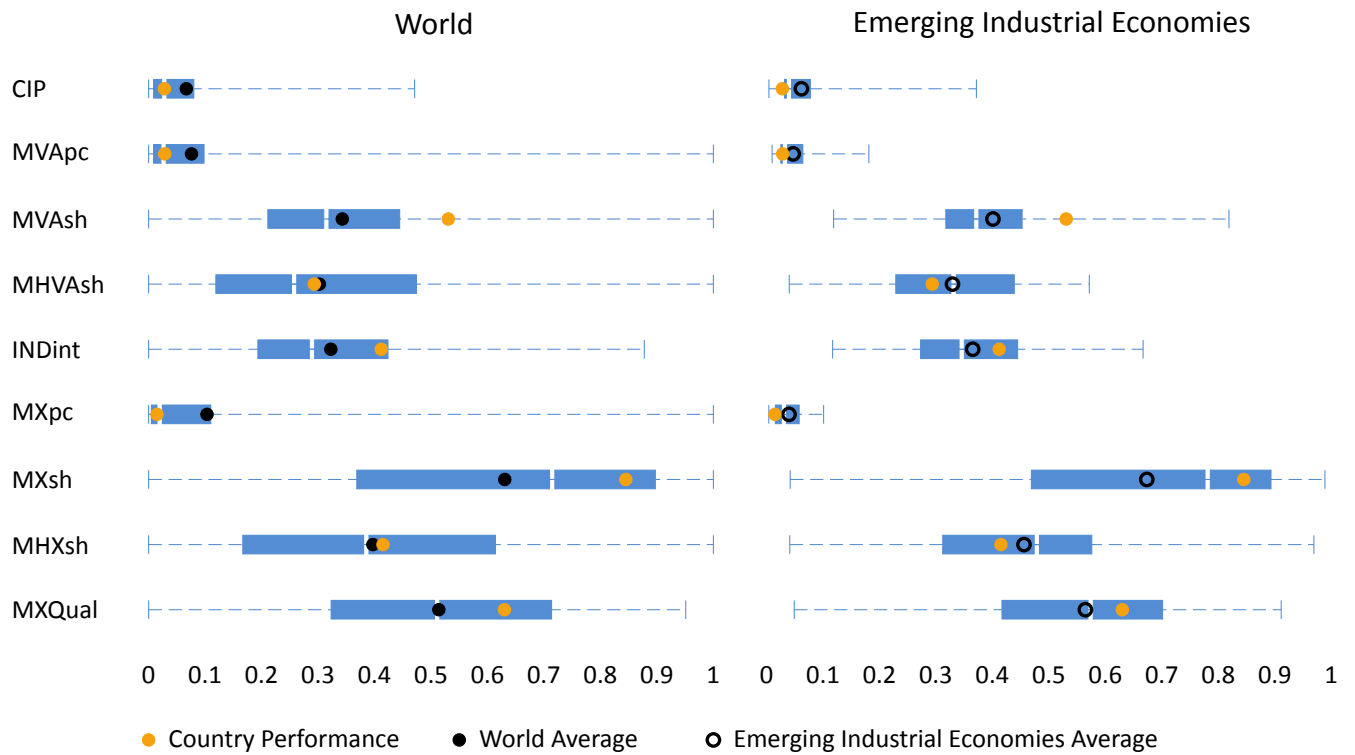


Performance indexes

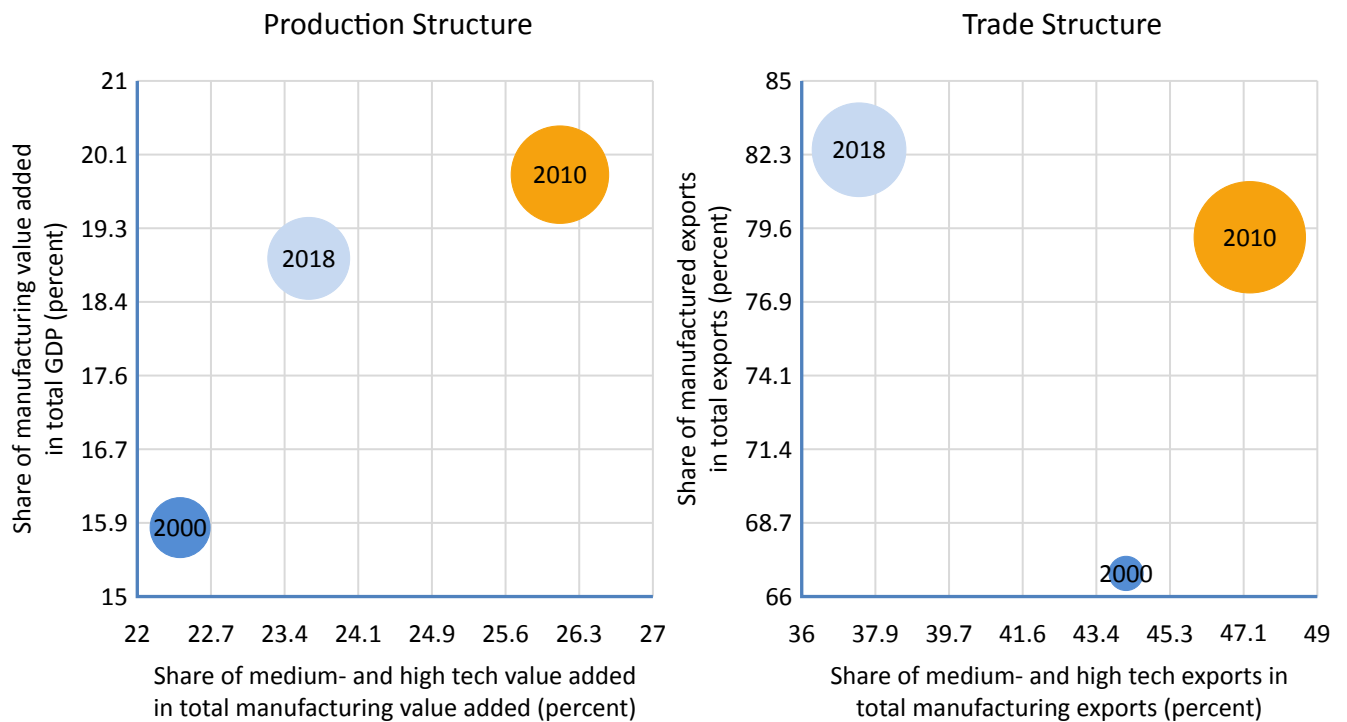
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	76	0.028	0.067	76 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	74	0.029	0.076	73	
Share of Manufacturing Value Added in GDP Index	22	0.531	0.343	22	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	69	0.293	0.302	71	
Industrialization Intensity Index	41	0.412	0.323	41	
Share of World Manufacturing Value Added Index	72	0.002	0.023	72	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	86	0.015	0.103	87	
Share of Manufacturing Exports in Total Exports Index	60	0.845	0.631	63	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	71	0.415	0.397	71	
Index Industrial Export Quality Index	55	0.630	0.514	55	
Share in World Manufacturing Export Index	85	0.002	0.039	85	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Kazakhstan

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 68
(index of 152 countries)

Score **0.035**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

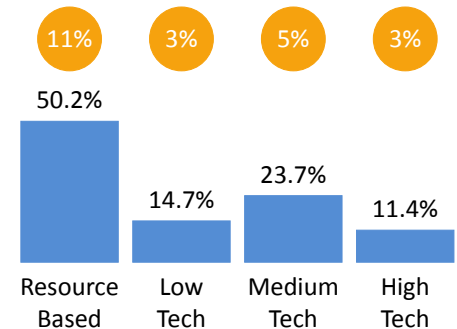
GDP: 201.9 billion | 11,019 per capita

Manufacturing value added: 20.9 billion | 1,144 per capita

Manufacturing exports: 13.7 billion | 749 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

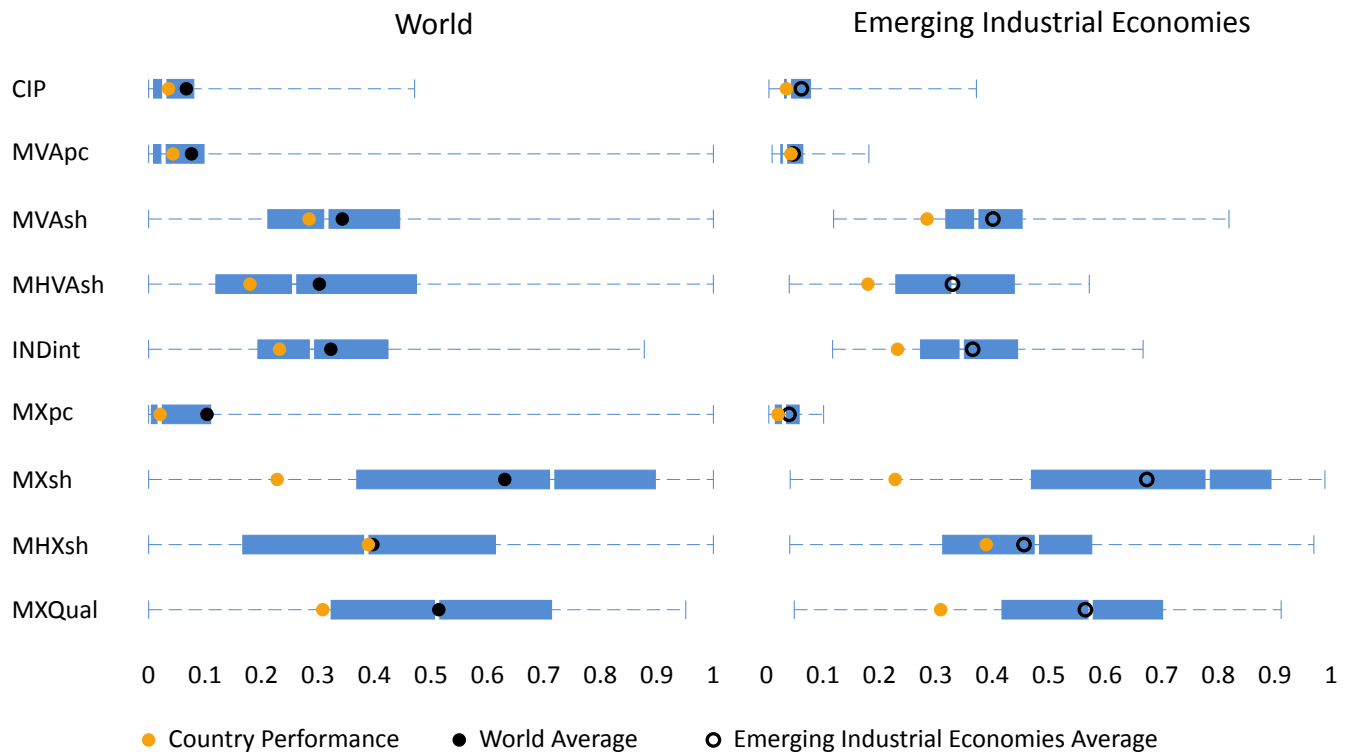


Performance indexes

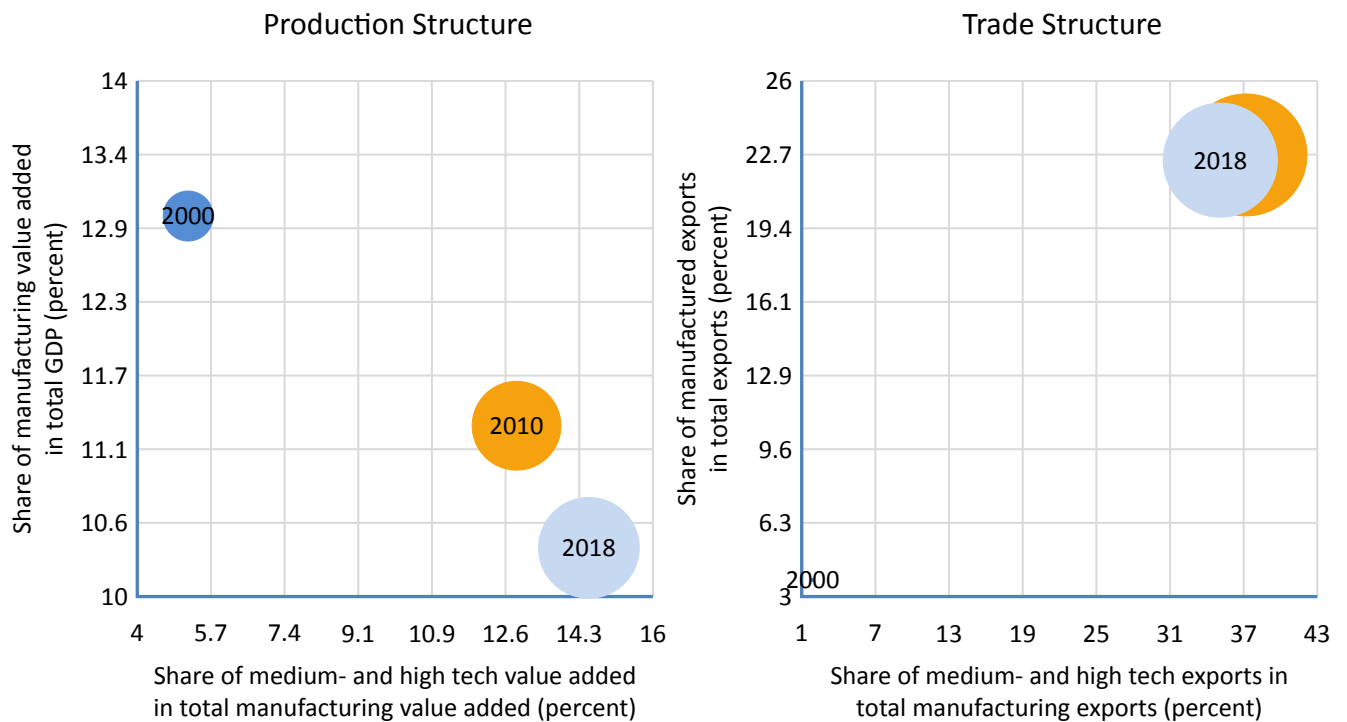
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	68	0.035	0.067	66 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	61	0.043	0.076	61	
Share of Manufacturing Value Added in GDP Index	93	0.284	0.343	91	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	100	0.179	0.302	98	
Industrialization Intensity Index	99	0.232	0.323	97	
Share of World Manufacturing Value Added Index	54	0.005	0.023	53	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	75	0.020	0.103	74	
Share of Manufacturing Exports in Total Exports Index	133	0.228	0.631	124	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	75	0.389	0.397	72	
Index Industrial Export Quality Index	120	0.308	0.514	112	
Share in World Manufacturing Export Index	63	0.006	0.039	61	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Kenya

Africa
Other Developing Economies
Lower Middle Income

RANK 115
(index of 152 countries)

Score **0.009**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

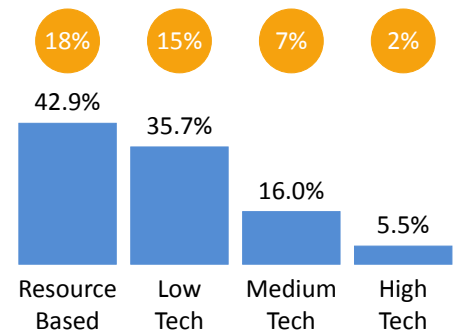
GDP: 75.6 billion | 1,470 per capita

Manufacturing value added: 6,420 million | 125 per capita

Manufacturing exports: 2,246 million | 44.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

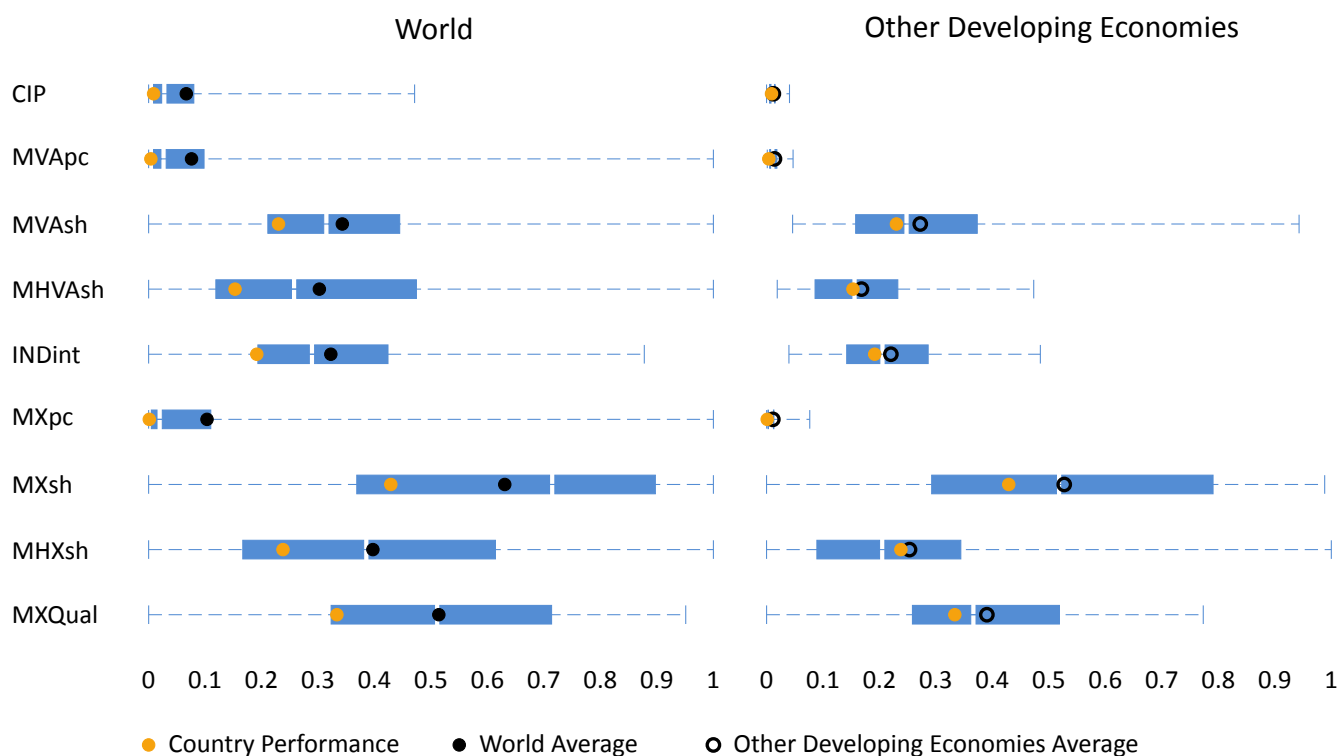


Performance indexes

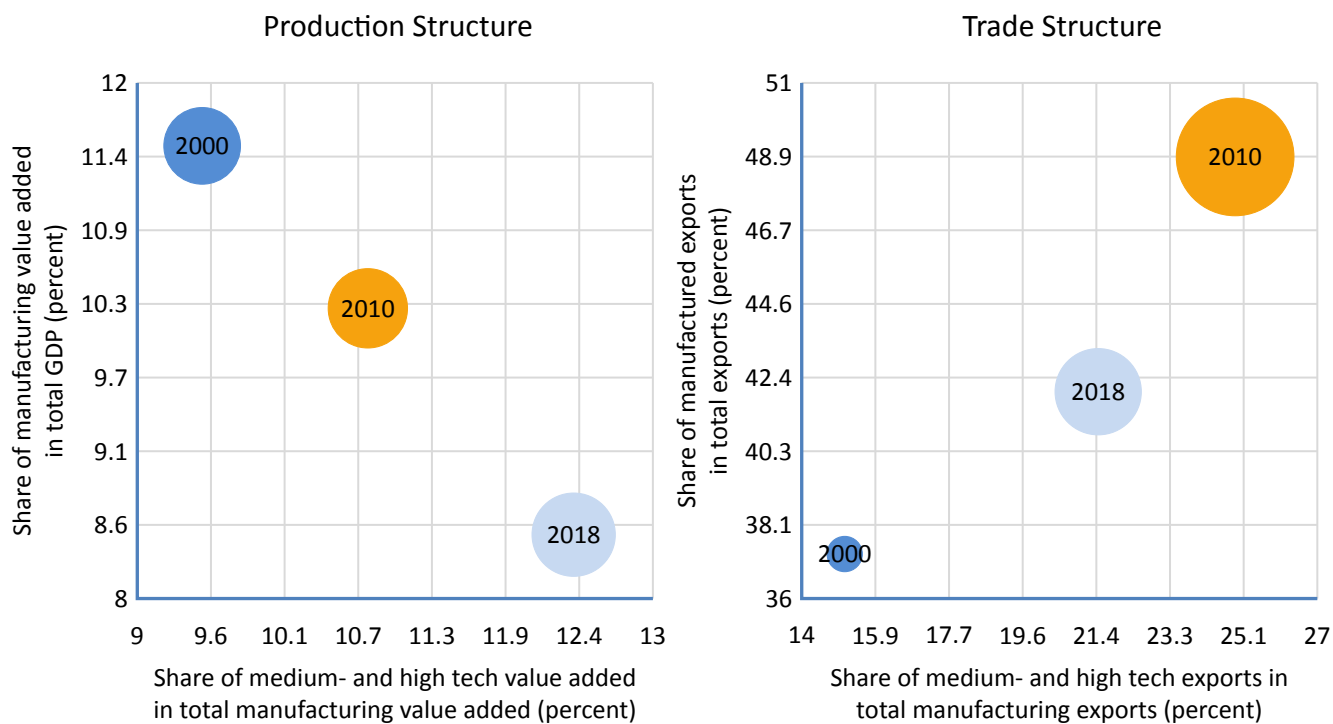
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	115	0.009	0.067	115 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	131	0.004	0.076	131	
Share of Manufacturing Value Added in GDP Index	108	0.230	0.343	108	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	104	0.153	0.302	104	
Industrialization Intensity Index	116	0.191	0.323	115	
Share of World Manufacturing Value Added Index	79	0.002	0.023	80	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	132	0.001	0.103	131	
Share of Manufacturing Exports in Total Exports Index	107	0.429	0.631	107	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	101	0.238	0.397	105	
Index Industrial Export Quality Index	111	0.333	0.514	117	
Share in World Manufacturing Export Index	102	0.001	0.039	98	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Kuwait

Asia and Pacific
Industrialized Economies
High Income

RANK 55
(index of 152 countries)

Score **0.052**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

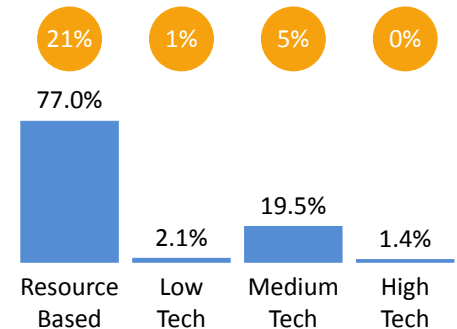
GDP: 115.2 billion | 27,838 per capita

Manufacturing value added: 9,586 million | 2,317 per capita

Manufacturing exports: 19.6 billion | 4,746 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

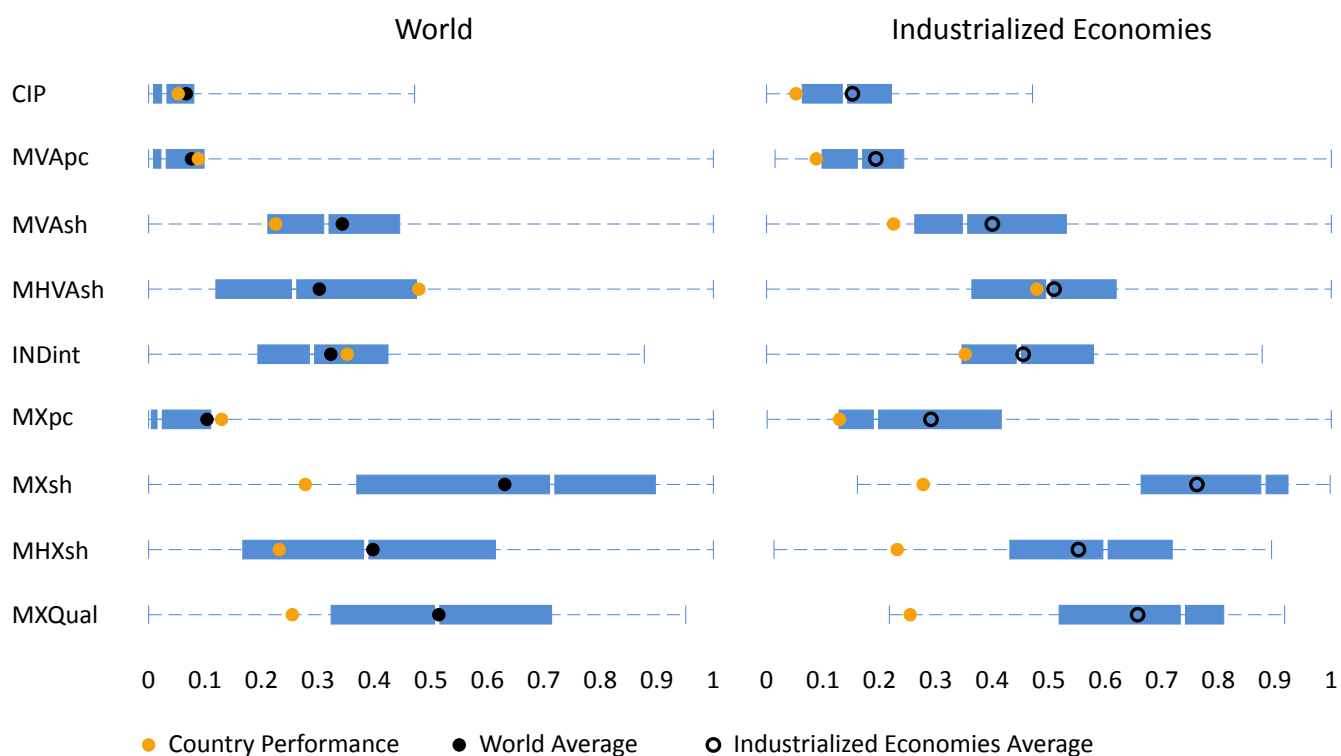


Performance indexes

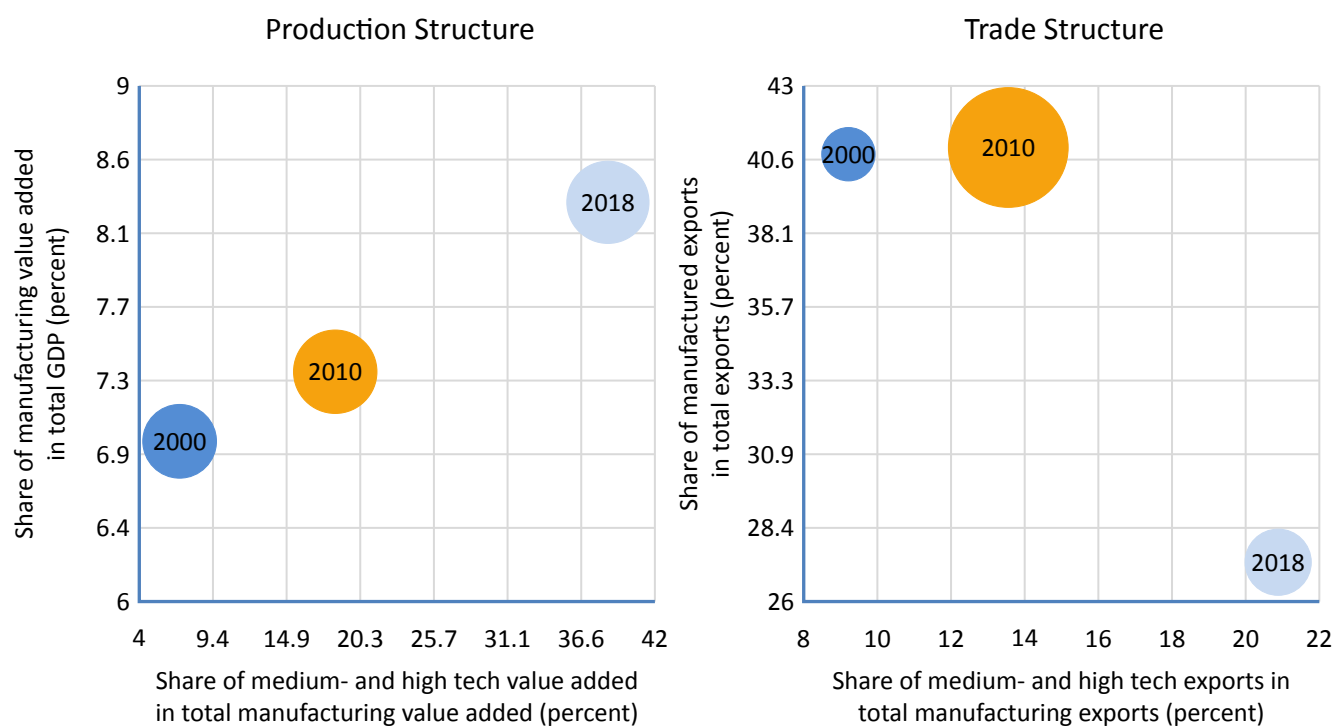
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	55	0.052	0.067	57 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	42	0.088	0.076	41	
Share of Manufacturing Value Added in GDP Index	112	0.225	0.343	110	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	37	0.478	0.302	33	
Industrialization Intensity Index	58	0.352	0.323	52	
Share of World Manufacturing Value Added Index	67	0.002	0.023	67	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	35	0.129	0.103	40	
Share of Manufacturing Exports in Total Exports Index	126	0.277	0.631	125	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	102	0.231	0.397	119	
Index Industrial Export Quality Index	131	0.254	0.514	135	
Share in World Manufacturing Export Index	54	0.008	0.039	58	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Kyrgyzstan

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 122
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

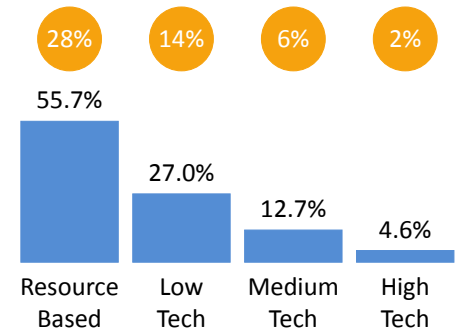
GDP: 7,539 million | 1,196 per capita

Manufacturing value added: 1,087 million | 172 per capita

Manufacturing exports: 930.1 million | 148 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

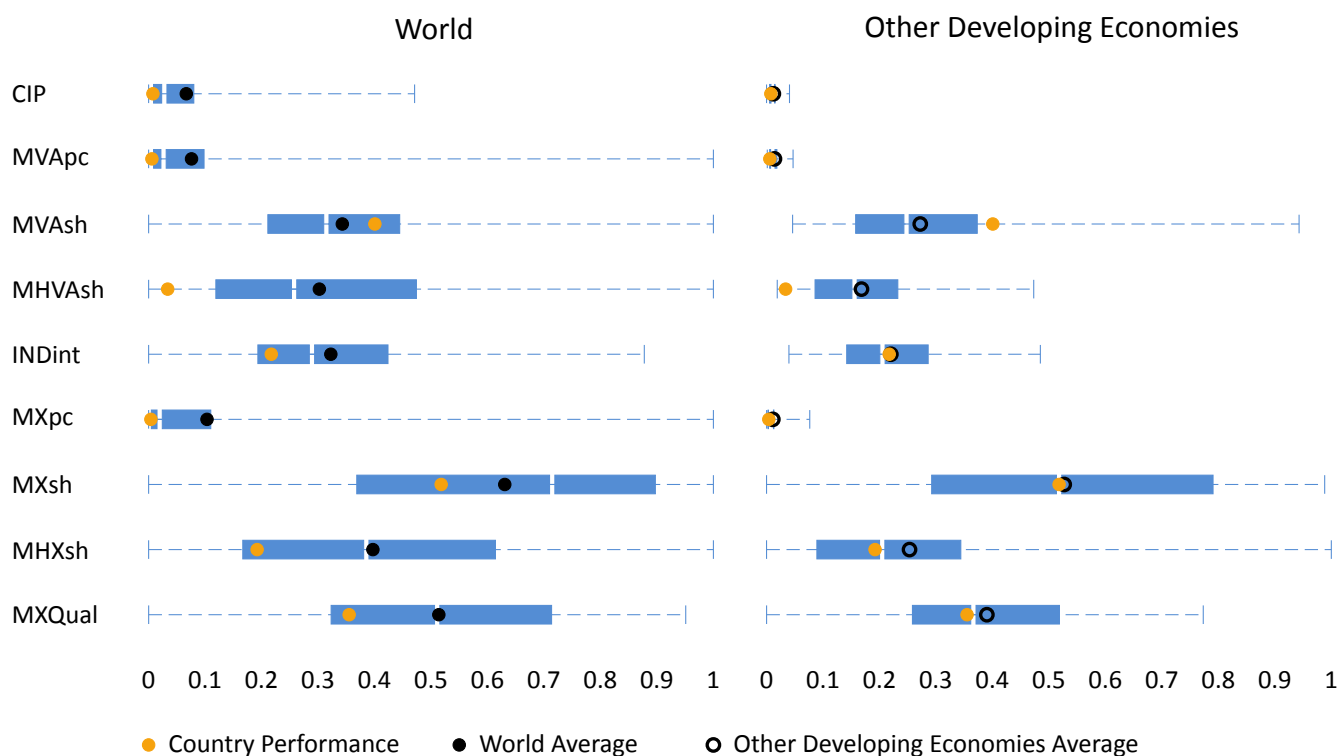


Performance indexes

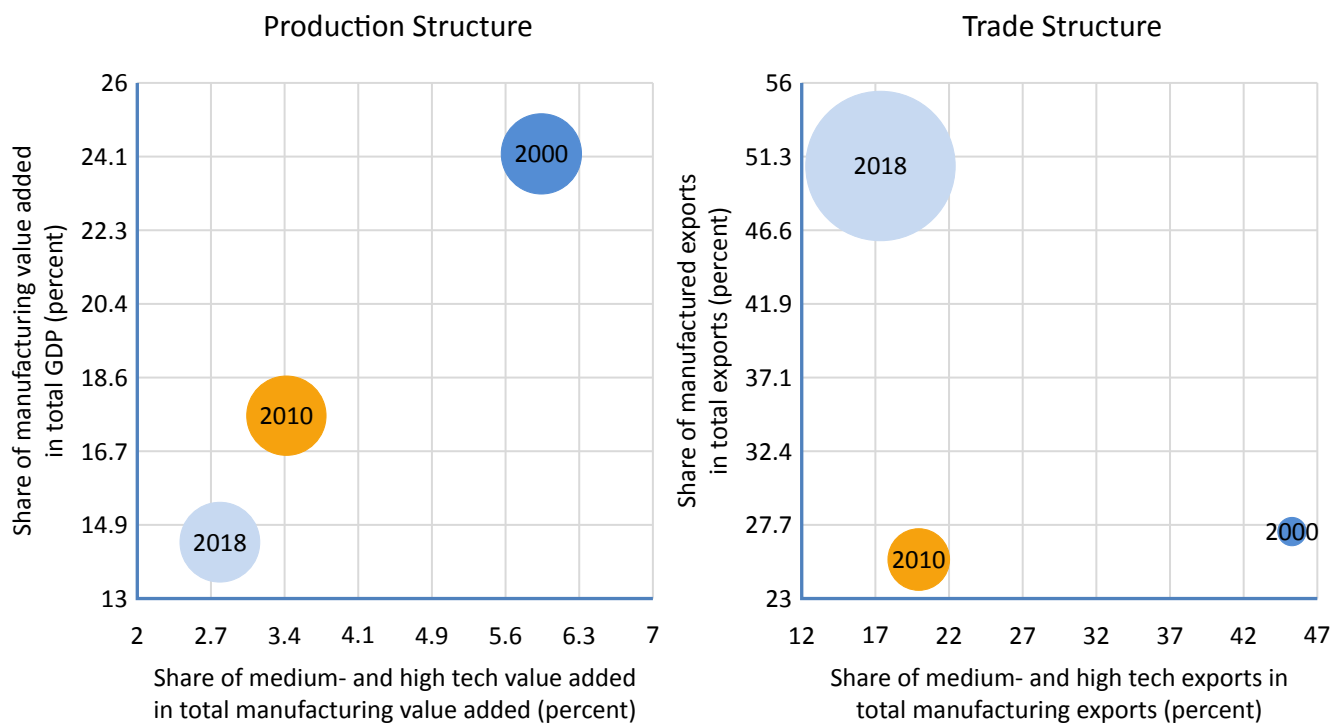
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	122	0.008	0.067	122 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	129	0.006	0.076	128	
Share of Manufacturing Value Added in GDP Index	50	0.401	0.343	49	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	142	0.034	0.302	143	
Industrialization Intensity Index	103	0.217	0.323	103	
Share of World Manufacturing Value Added Index	123	0.000	0.023	122	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	117	0.004	0.103	116	
Share of Manufacturing Exports in Total Exports Index	97	0.518	0.631	97	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	109	0.192	0.397	86	
Index Industrial Export Quality Index	104	0.355	0.514	95	
Share in World Manufacturing Export Index	125	0.000	0.039	123	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Lao People's Dem Rep

Asia and Pacific
Least Developed Countries
Lower Middle Income

RANK 109
(index of 152 countries)

Score **0.011**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

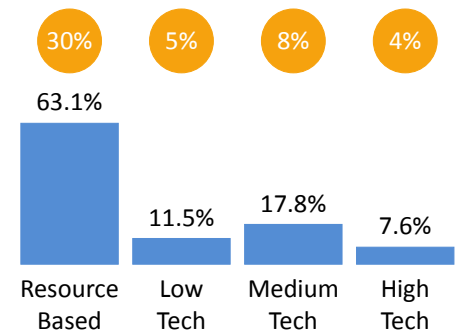
GDP: 17.5 billion | 2,478 per capita

Manufacturing value added: 1,373 million | 194 per capita

Manufacturing exports: 2,754 million | 390 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

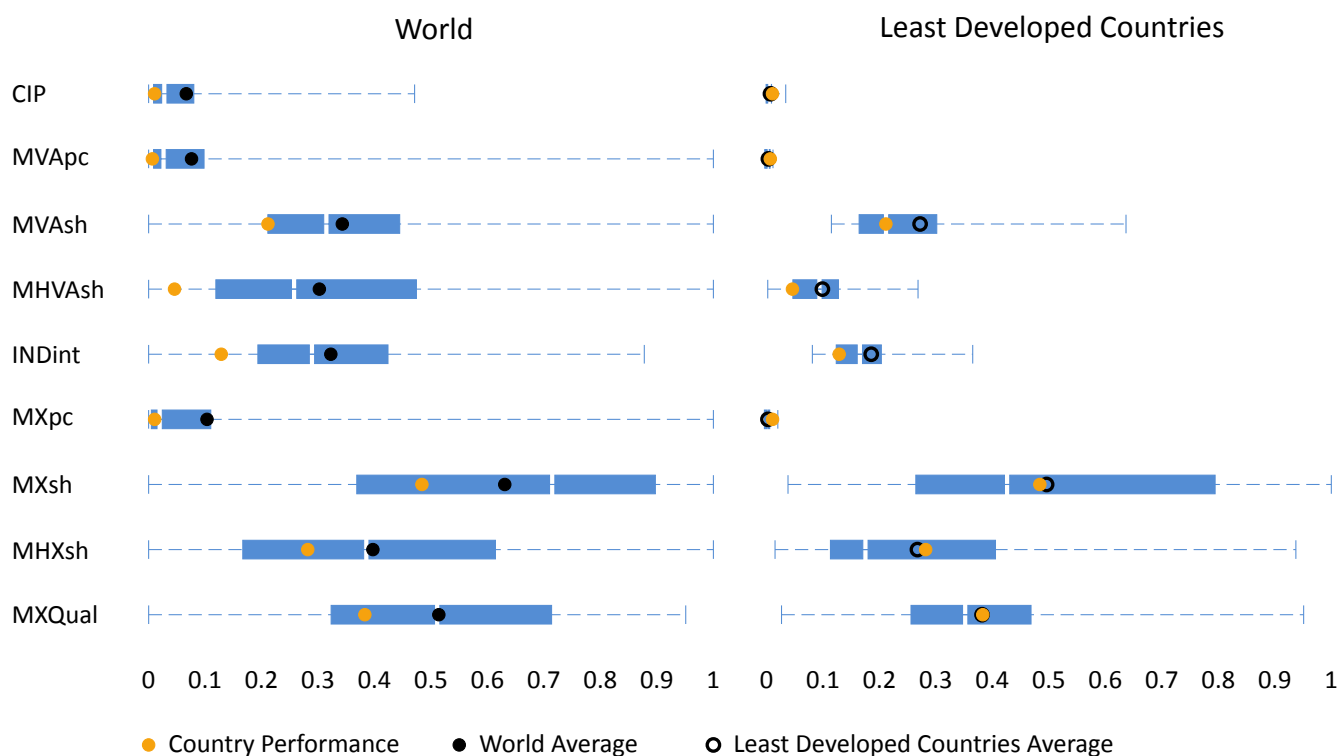


Performance indexes

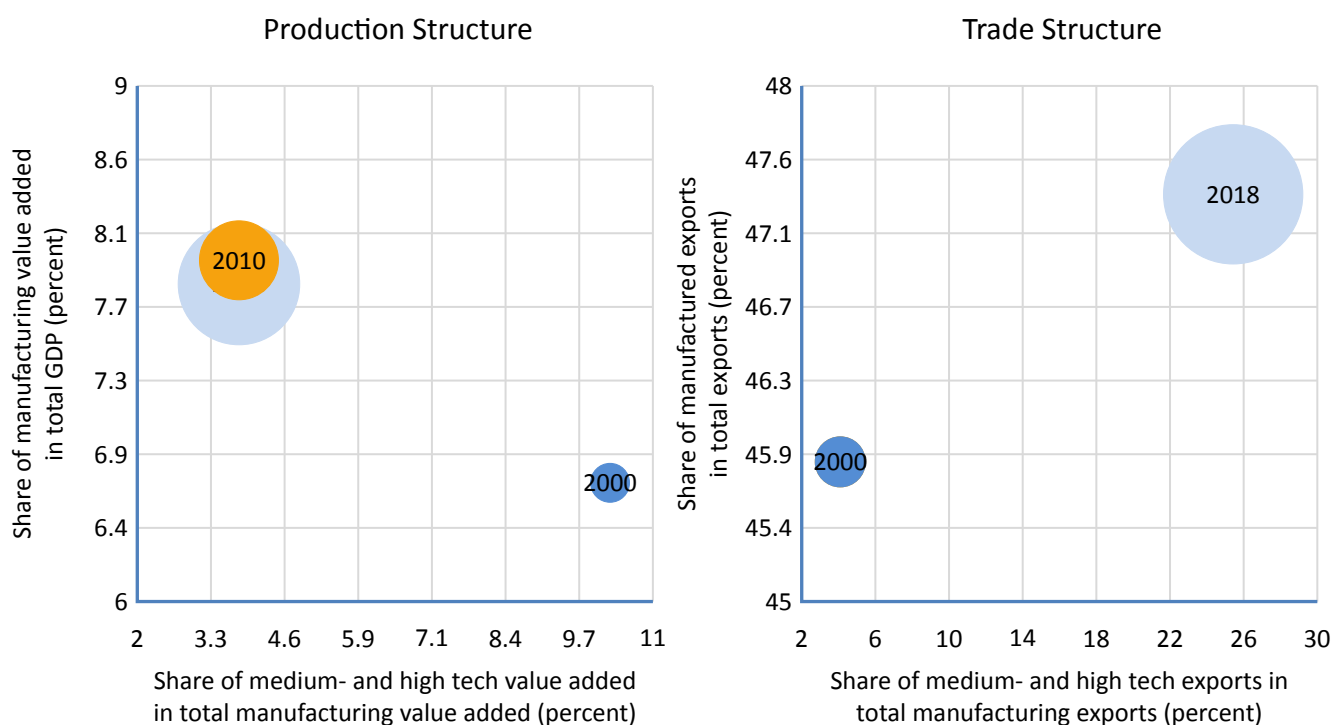
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	109	0.011	0.067	109 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	125	0.007	0.076	126	
Share of Manufacturing Value Added in GDP Index	114	0.211	0.343	116	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	138	0.046	0.302	138	
Industrialization Intensity Index	133	0.129	0.323	135	
Share of World Manufacturing Value Added Index	114	0.000	0.023	115	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	96	0.011	0.103	99	
Share of Manufacturing Exports in Total Exports Index	100	0.484	0.631	99	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	95	0.282	0.397	96	
Index Industrial Export Quality Index	98	0.383	0.514	100	
Share in World Manufacturing Export Index	97	0.001	0.039	96	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Latvia

Europe
Industrialized Economies
High Income

RANK 58
(index of 152 countries)

Score **0.046**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

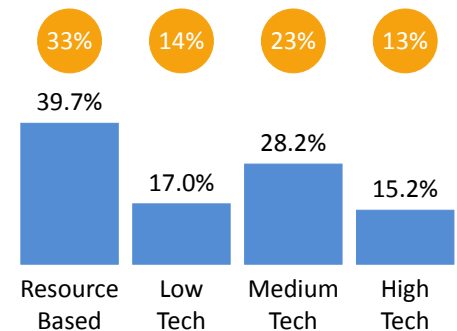
GDP: 30.2 billion | 15,650 per capita

Manufacturing value added: 3,244 million | 1,682 per capita

Manufacturing exports: 12.4 billion | 6,445 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

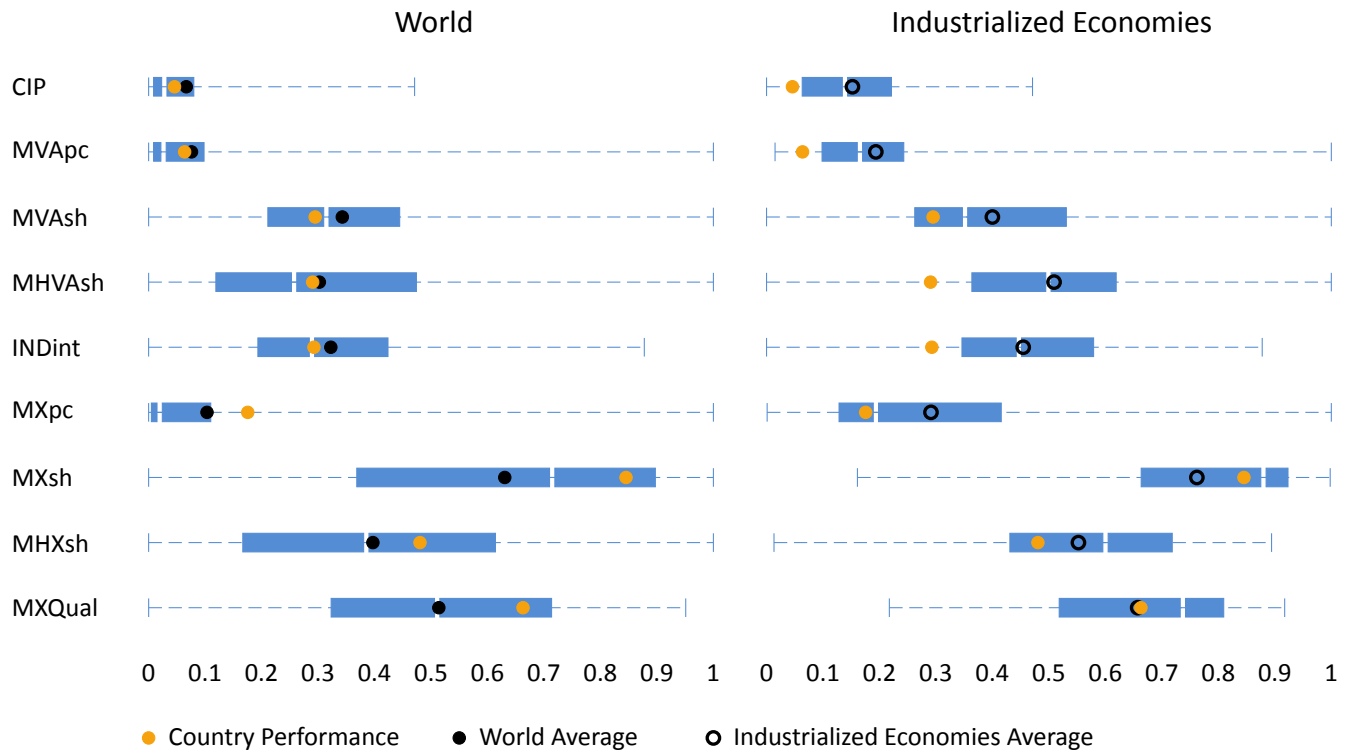


Performance indexes

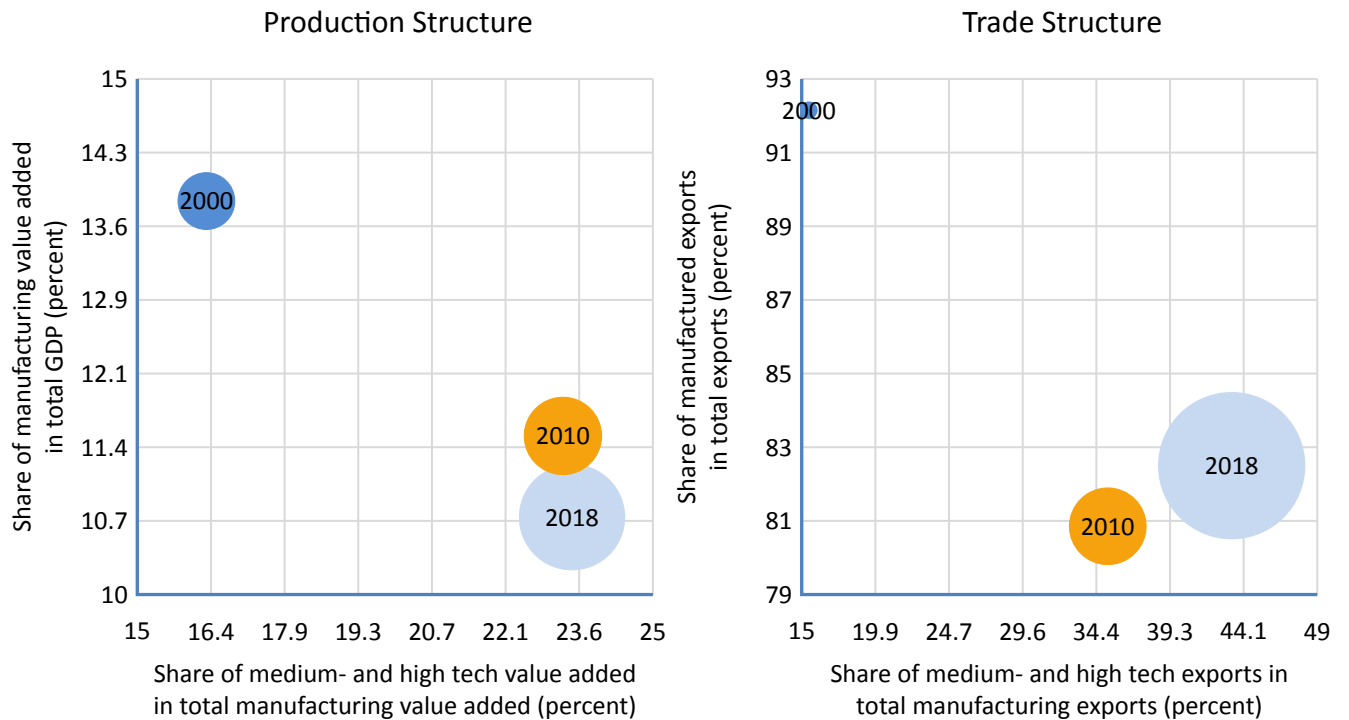
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	58	0.046	0.067	58 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	51	0.064	0.076	52	
Share of Manufacturing Value Added in GDP Index	89	0.295	0.343	85	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	70	0.290	0.302	67	
Industrialization Intensity Index	75	0.293	0.323	73	
Share of World Manufacturing Value Added Index	97	0.001	0.023	97	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	28	0.175	0.103	30	
Share of Manufacturing Exports in Total Exports Index	59	0.845	0.631	59	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	59	0.480	0.397	56	
Index Industrial Export Quality Index	49	0.663	0.514	50	
Share in World Manufacturing Export Index	70	0.005	0.039	69	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Lebanon

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 94
(index of 152 countries)

Score **0.016**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

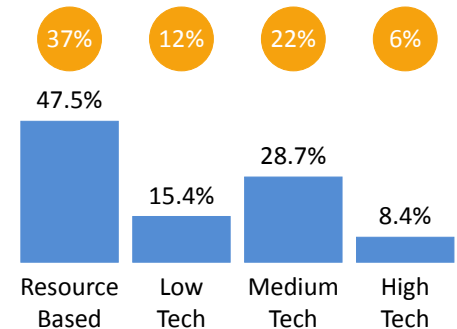
GDP: 51.2 billion | 7,462 per capita

Manufacturing value added: 3,718 million | 542 per capita

Manufacturing exports: 2,279 million | 332 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

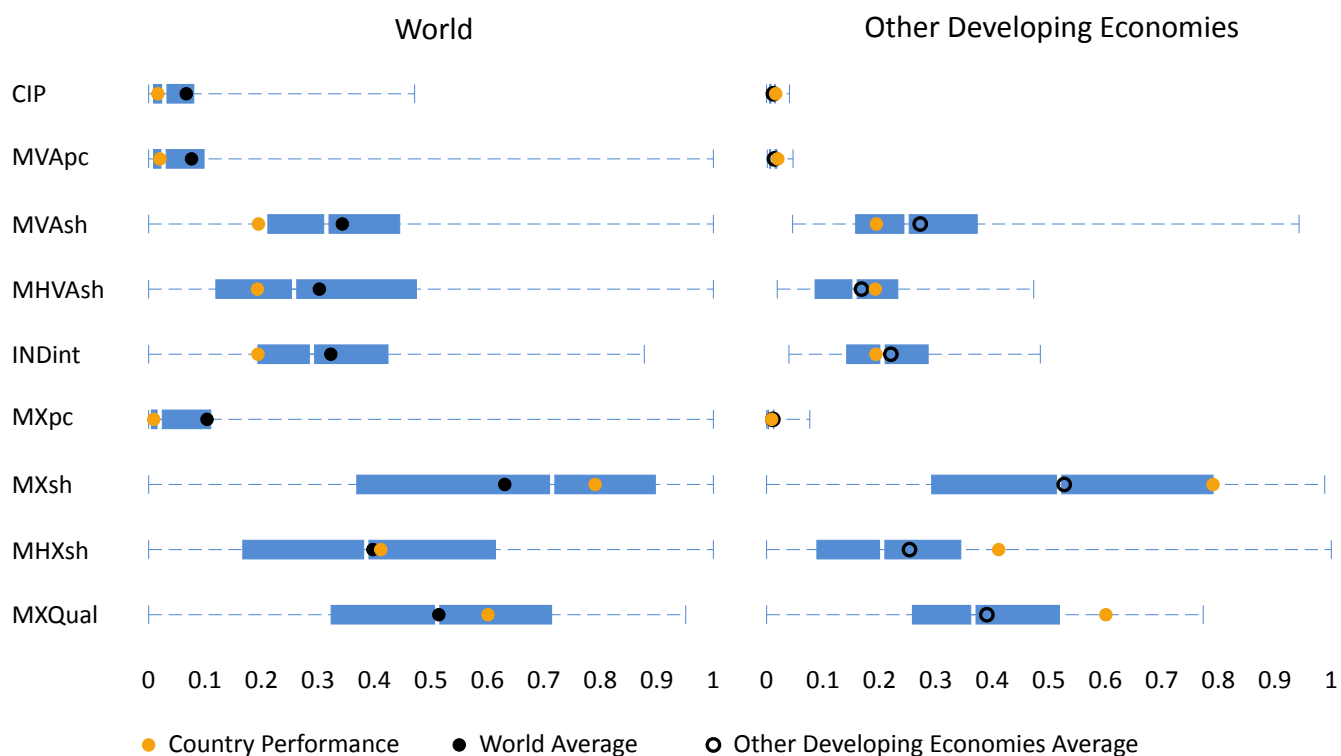


Performance indexes

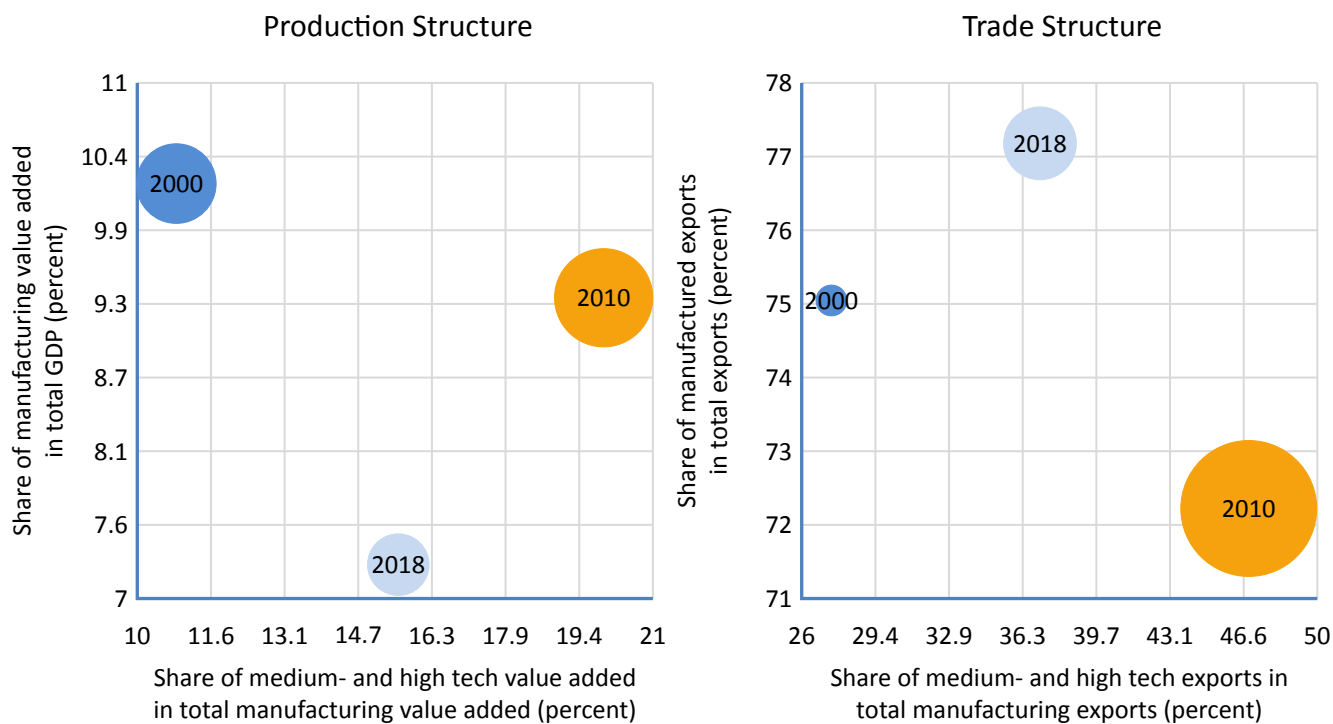
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	94	0.016	0.067	94 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	87	0.020	0.076	87	
Share of Manufacturing Value Added in GDP Index	122	0.194	0.343	120	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	96	0.193	0.302	96	
Industrialization Intensity Index	114	0.194	0.323	113	
Share of World Manufacturing Value Added Index	90	0.001	0.023	88	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	99	0.009	0.103	101	
Share of Manufacturing Exports in Total Exports Index	67	0.791	0.631	73	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	72	0.411	0.397	69	
Index Industrial Export Quality Index	59	0.601	0.514	61	
Share in World Manufacturing Export Index	101	0.001	0.039	99	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Lithuania

Europe
Industrialized Economies
High Income

RANK 41
(index of 152 countries)

Score **0.078**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

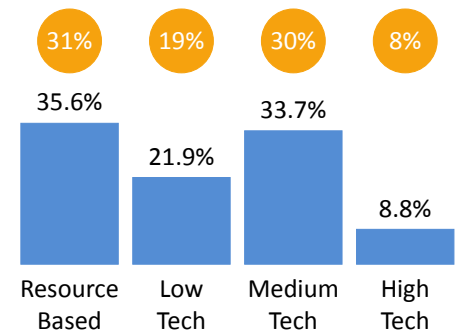
GDP: 45.8 billion | 16,349 per capita

Manufacturing value added: 8,228 million | 2,937 per capita

Manufacturing exports: 29.2 billion | 10,436 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

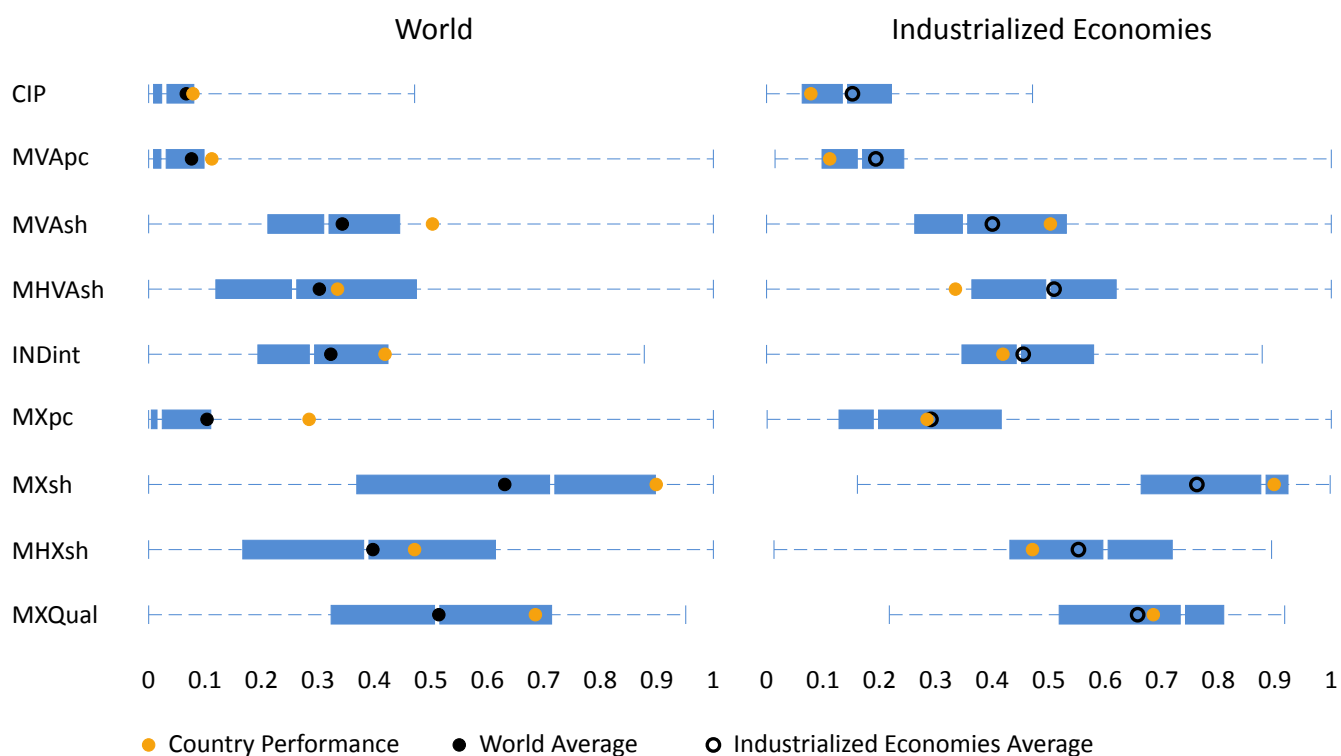


Performance indexes

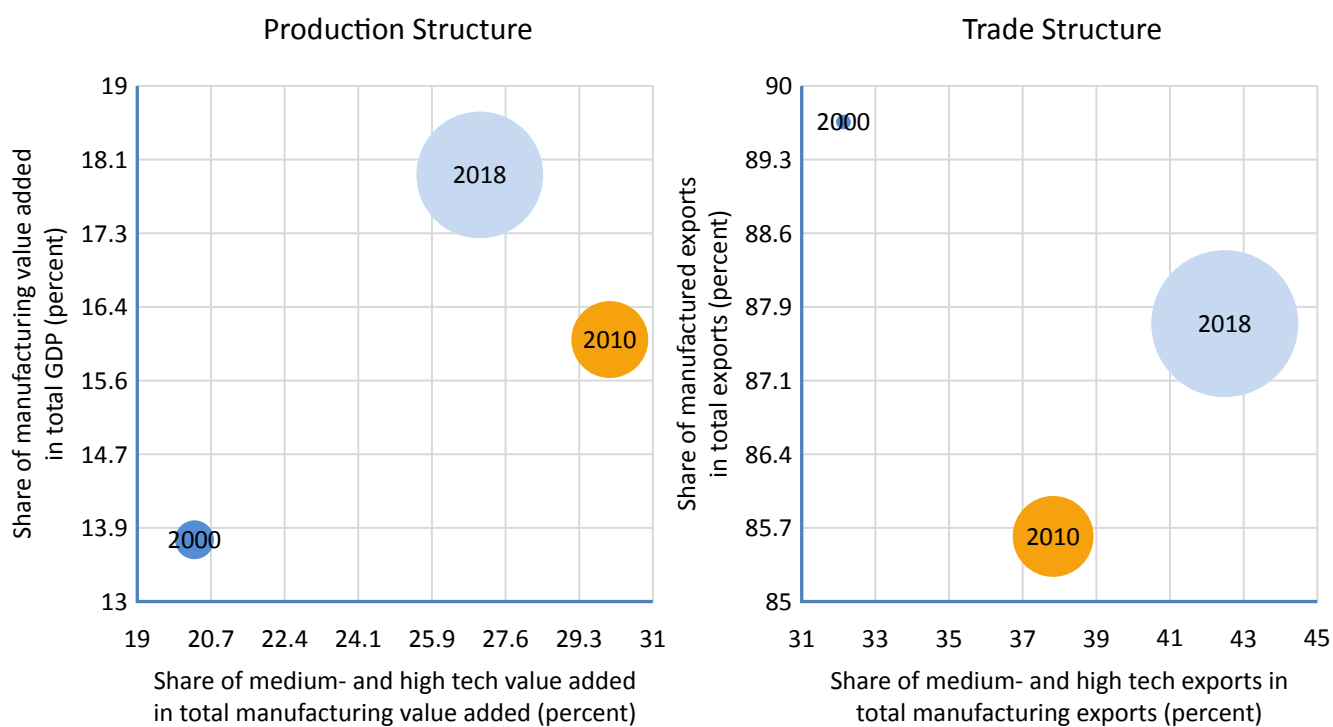
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	41	0.078	0.067	40 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	33	0.112	0.076	33	
Share of Manufacturing Value Added in GDP Index	28	0.503	0.343	28	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	61	0.334	0.302	58	
Industrialization Intensity Index	40	0.419	0.323	37	
Share of World Manufacturing Value Added Index	69	0.002	0.023	70	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	19	0.284	0.103	19	
Share of Manufacturing Exports in Total Exports Index	37	0.899	0.631	33	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	62	0.471	0.397	55	
Index Industrial Export Quality Index	46	0.685	0.514	45	
Share in World Manufacturing Export Index	49	0.012	0.039	49	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Luxembourg

Europe
Industrialized Economies
High Income

RANK 46
(index of 152 countries)

Score **0.063**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

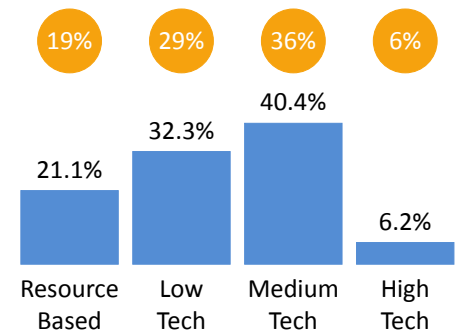
GDP: 61.0 billion | 101,017 per capita

Manufacturing value added: 2,980 million | 4,932 per capita

Manufacturing exports: 13.4 billion | 22,171 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

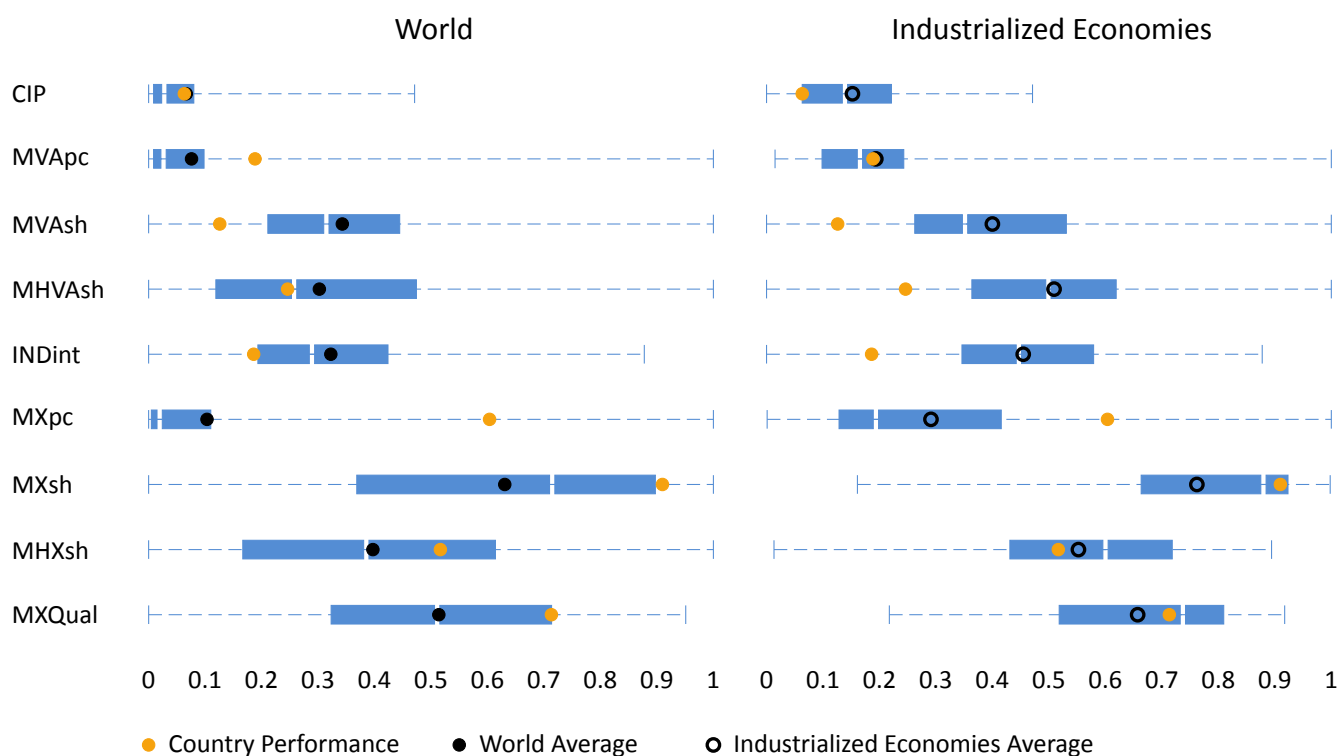


Performance indexes

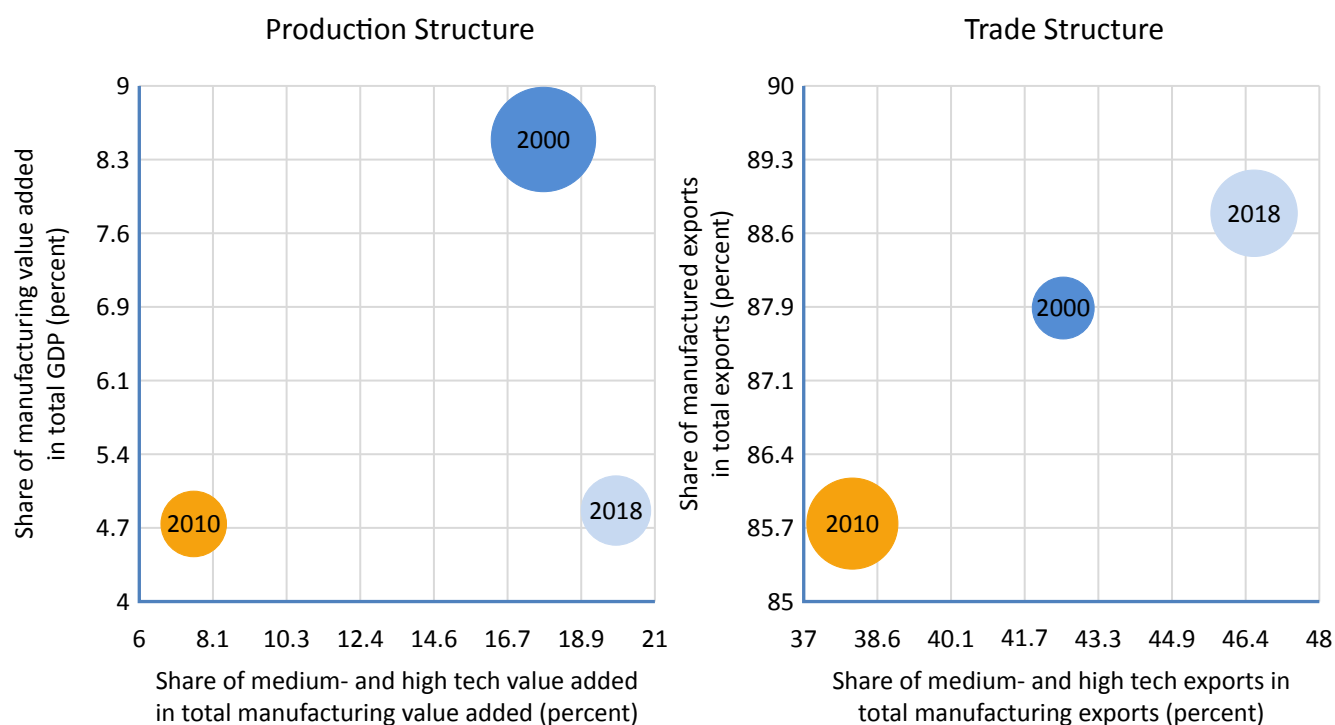
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	46	0.063	0.067	46 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	19	0.188	0.076	17	
Share of Manufacturing Value Added in GDP Index	139	0.126	0.343	138	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	78	0.246	0.302	83	
Industrialization Intensity Index	118	0.186	0.323	120	
Share of World Manufacturing Value Added Index	99	0.001	0.023	98	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	6	0.604	0.103	6	
Share of Manufacturing Exports in Total Exports Index	32	0.910	0.631	38	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	49	0.517	0.397	46	
Index Industrial Export Quality Index	39	0.713	0.514	40	
Share in World Manufacturing Export Index	65	0.006	0.039	65	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Madagascar

Africa
Least Developed Countries
Low Income

RANK 137
(index of 152 countries)

Score **0.003**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

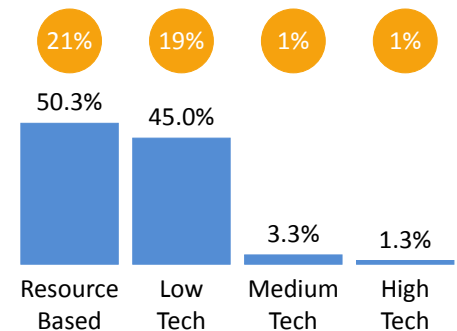
GDP: 12.5 billion | 474 per capita

Manufacturing value added: 768.1 million | 29.2 per capita

Manufacturing exports: 1,291 million | 49.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

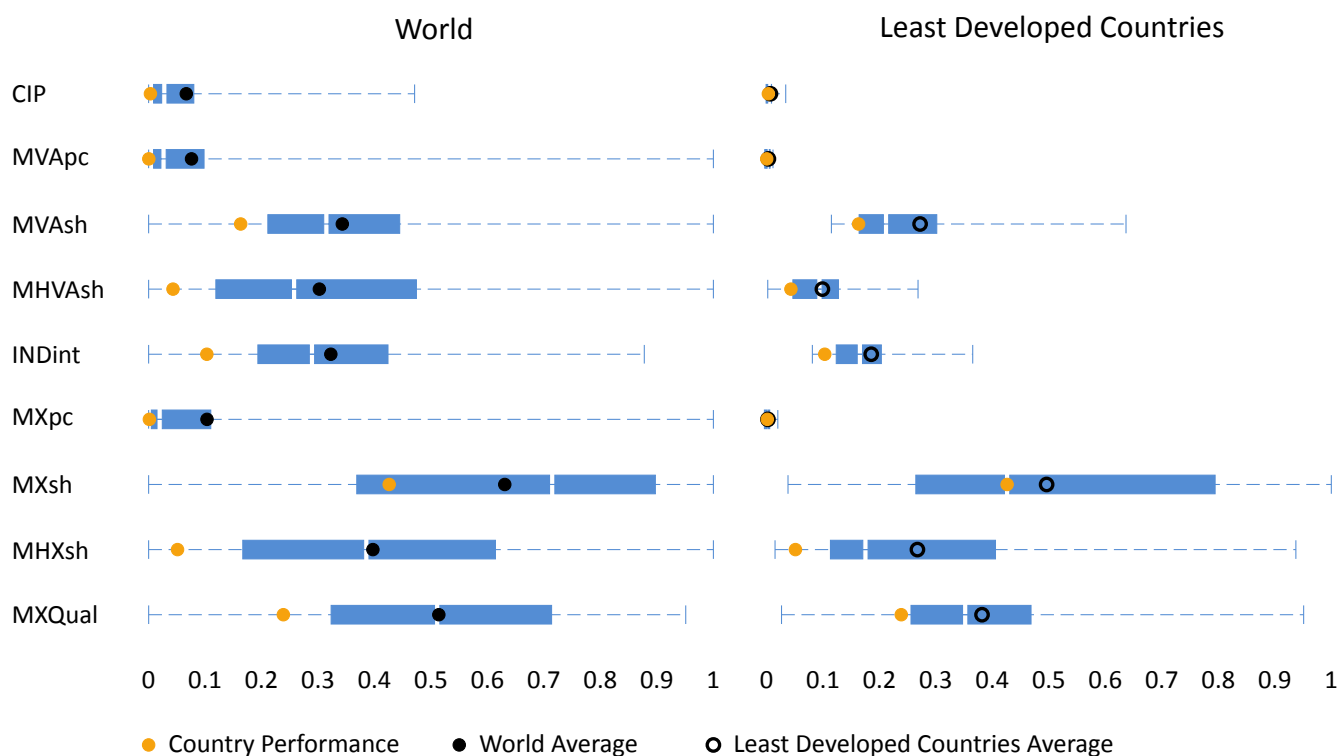


Performance indexes

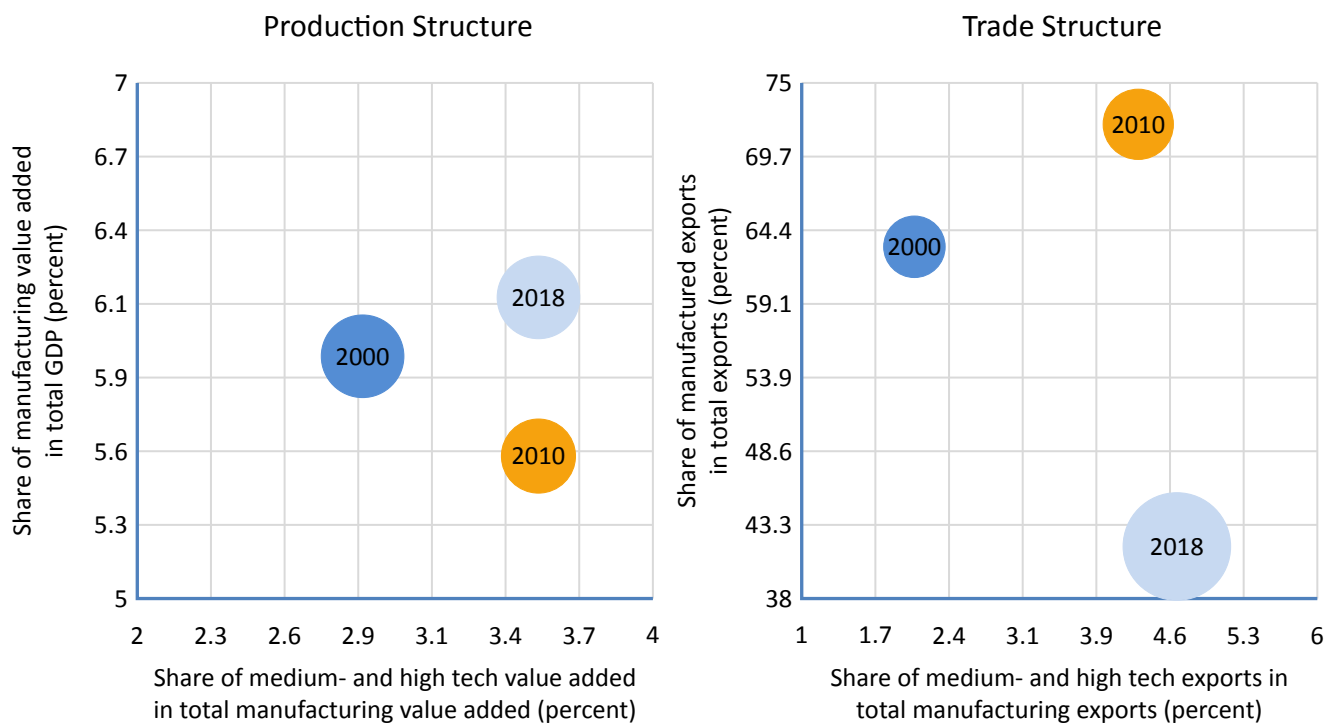
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	137	0.003	0.067	137 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	150	0.000	0.076	151	
Share of Manufacturing Value Added in GDP Index	127	0.163	0.343	130	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	139	0.043	0.302	139	
Industrialization Intensity Index	145	0.103	0.323	144	
Share of World Manufacturing Value Added Index	131	0.000	0.023	131	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	131	0.001	0.103	130	
Share of Manufacturing Exports in Total Exports Index	108	0.426	0.631	106	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	137	0.051	0.397	138	
Index Industrial Export Quality Index	134	0.239	0.514	132	
Share in World Manufacturing Export Index	116	0.001	0.039	115	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Malawi

Africa
Least Developed Countries
Low Income

RANK 143
(index of 152 countries)

Score **0.002**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

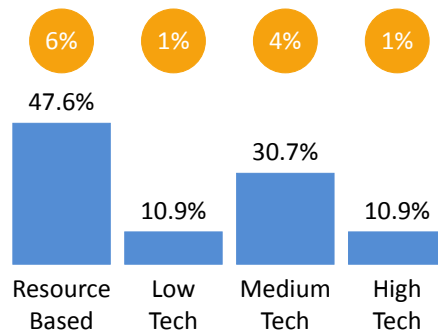
GDP: 7,159 million | 395 per capita

Manufacturing value added: 655.3 million | 36.1 per capita

Manufacturing exports: 118.8 million | 7.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

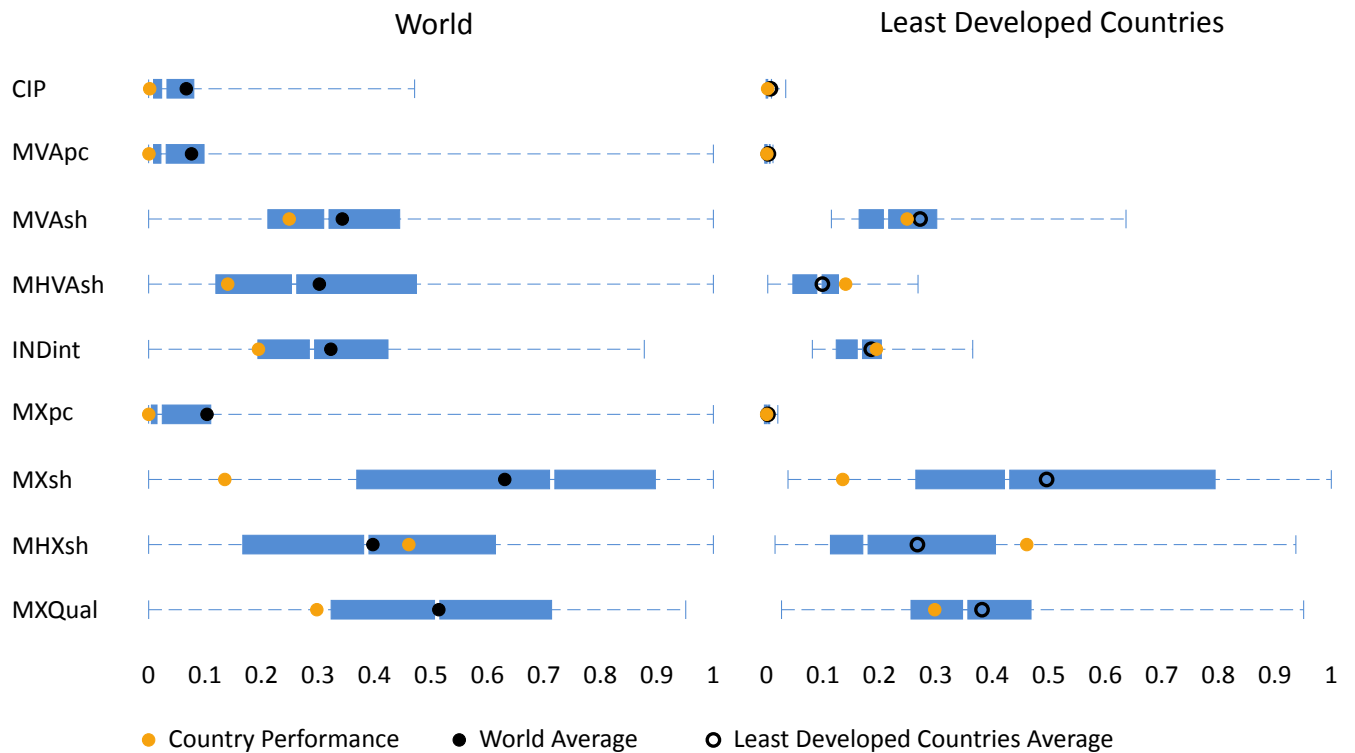


Performance indexes

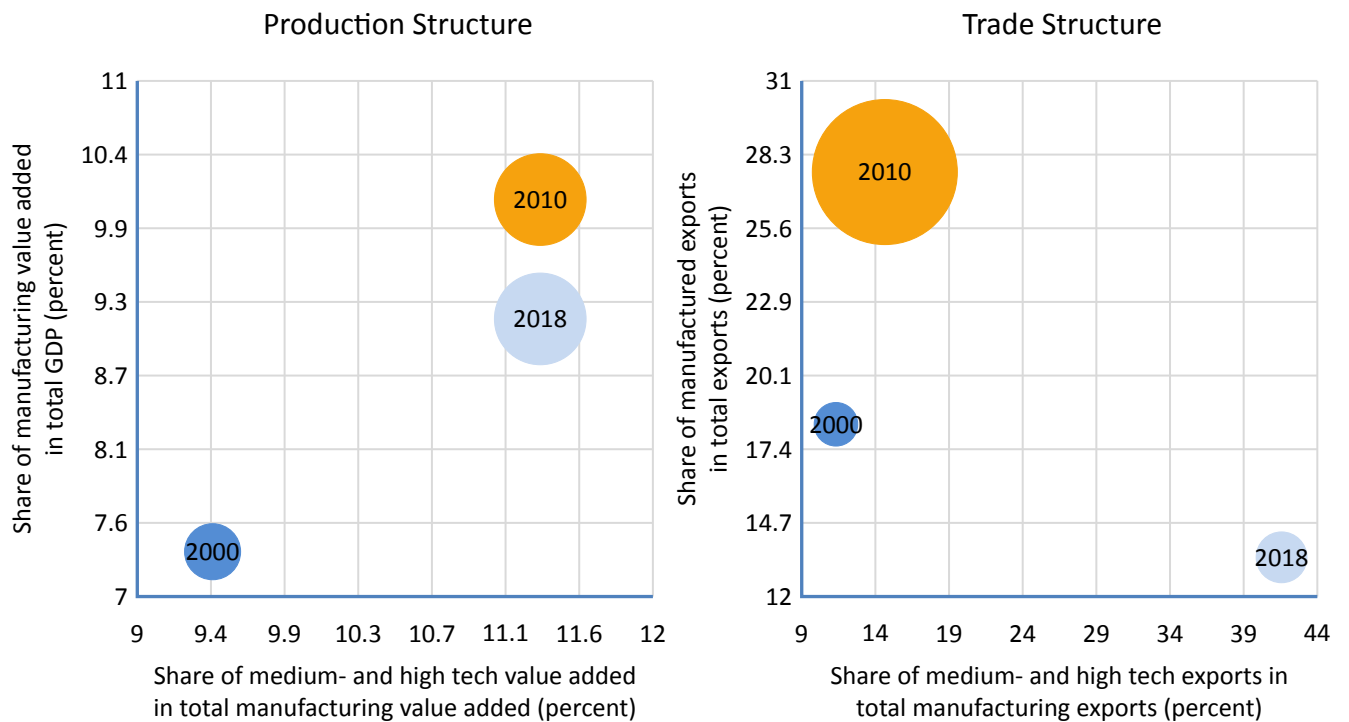
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	143	0.002	0.067	143 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	148	0.001	0.076	148	
Share of Manufacturing Value Added in GDP Index	102	0.249	0.343	103	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	106	0.140	0.302	106	
Industrialization Intensity Index	113	0.194	0.323	112	
Share of World Manufacturing Value Added Index	133	0.000	0.023	133	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	144	0.000	0.103	144	
Share of Manufacturing Exports in Total Exports Index	144	0.135	0.631	142	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	65	0.461	0.397	61	
Index Industrial Export Quality Index	125	0.298	0.514	124	
Share in World Manufacturing Export Index	141	0.000	0.039	142	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Malaysia

Asia and Pacific
Industrialized Economies
Upper Middle Income

RANK 23
(index of 152 countries)

Score **0.156**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

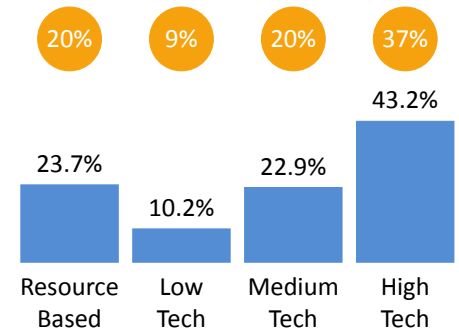
GDP: 342.9 billion | 10,877 per capita

Manufacturing value added: 78.0 billion | 2,473 per capita

Manufacturing exports: 211.5 billion | 6,707 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

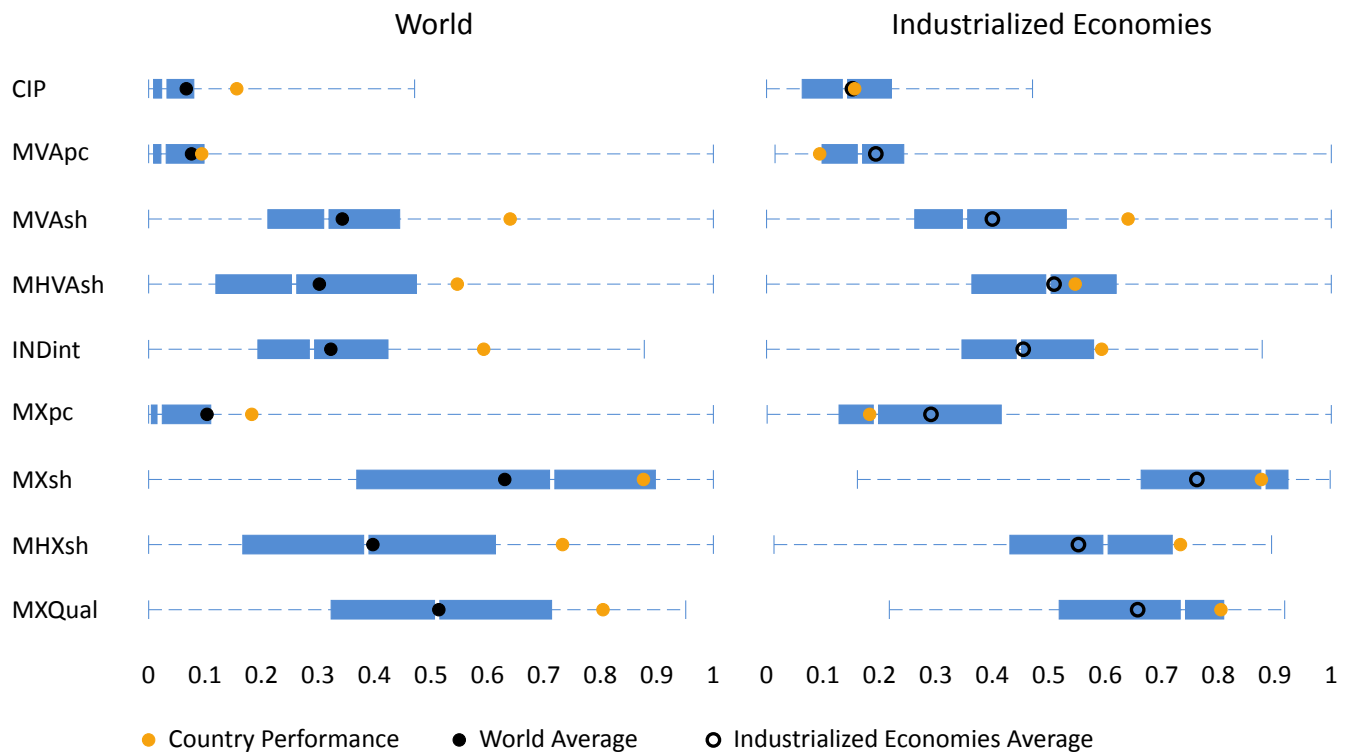


Performance indexes

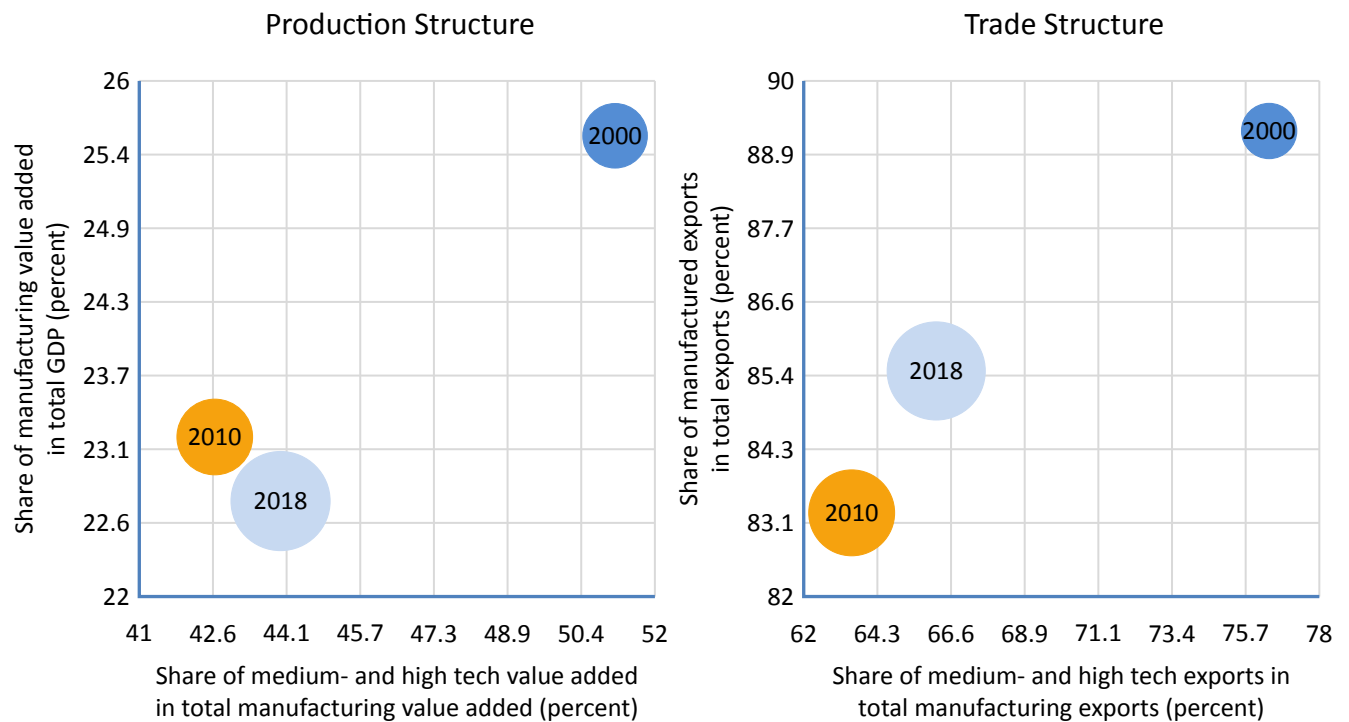
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	23	0.156	0.067	22 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	40	0.094	0.076	40	
Share of Manufacturing Value Added in GDP Index	8	0.640	0.343	8	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	24	0.547	0.302	26	
Industrialization Intensity Index	14	0.593	0.323	14	
Share of World Manufacturing Value Added Index	25	0.020	0.023	25	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	26	0.183	0.103	26	
Share of Manufacturing Exports in Total Exports Index	46	0.876	0.631	42	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	17	0.733	0.397	21	
Index Industrial Export Quality Index	19	0.805	0.514	21	
Share in World Manufacturing Export Index	20	0.088	0.039	19	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Maldives

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 144
(index of 152 countries)

Score **0.002**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

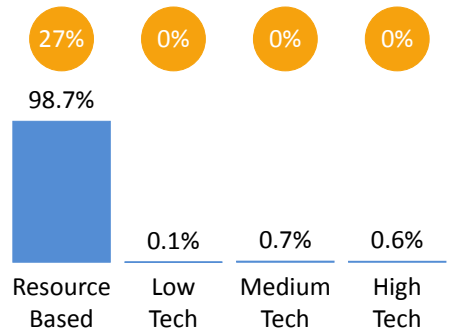
GDP: 5,068 million | 9,827 per capita

Manufacturing value added: 109.5 million | 212 per capita

Manufacturing exports: 49.3 million | 96.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

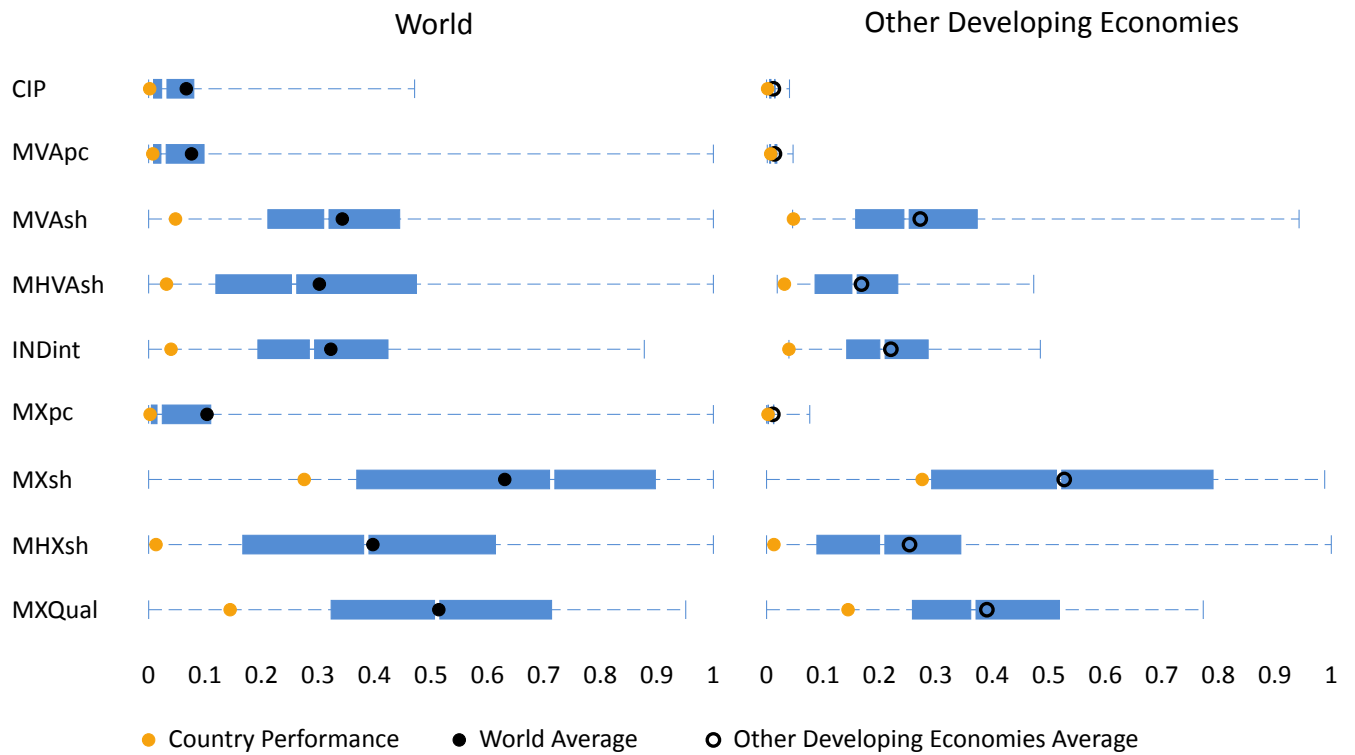


Performance indexes

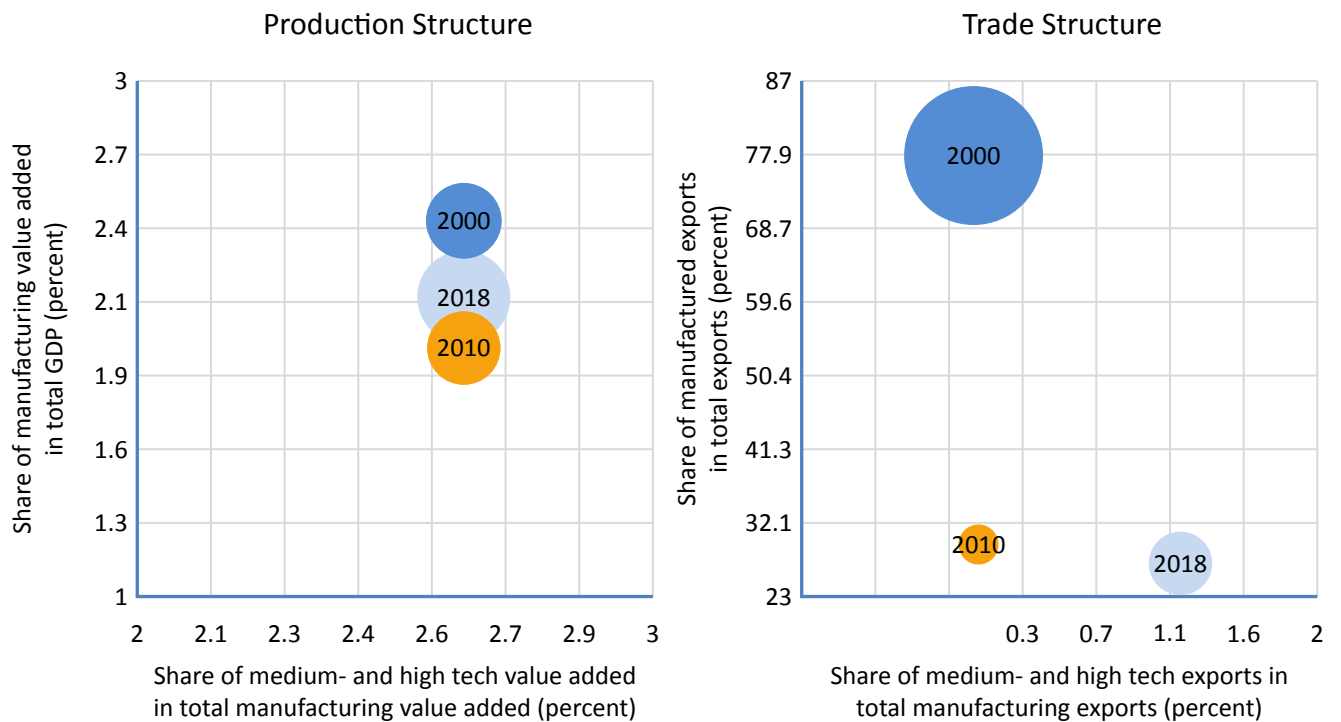
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	144	0.002	0.067	144 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	120	0.007	0.076	123	
Share of Manufacturing Value Added in GDP Index	148	0.048	0.343	148	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	145	0.032	0.302	145	
Industrialization Intensity Index	151	0.040	0.323	151	
Share of World Manufacturing Value Added Index	148	0.000	0.023	148	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	123	0.003	0.103	127	
Share of Manufacturing Exports in Total Exports Index	129	0.276	0.631	138	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	149	0.013	0.397	146	
Index Industrial Export Quality Index	147	0.144	0.514	148	
Share in World Manufacturing Export Index	145	0.000	0.039	147	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Malta

Europe
Industrialized Economies
High Income

RANK 71
(index of 152 countries)

Score **0.033**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

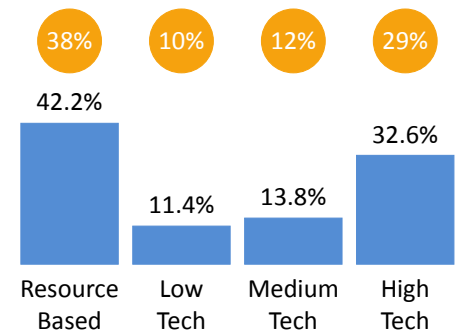
GDP: 12.7 billion | 28,821 per capita

Manufacturing value added: 922.5 million | 2,100 per capita

Manufacturing exports: 3,488 million | 7,942 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

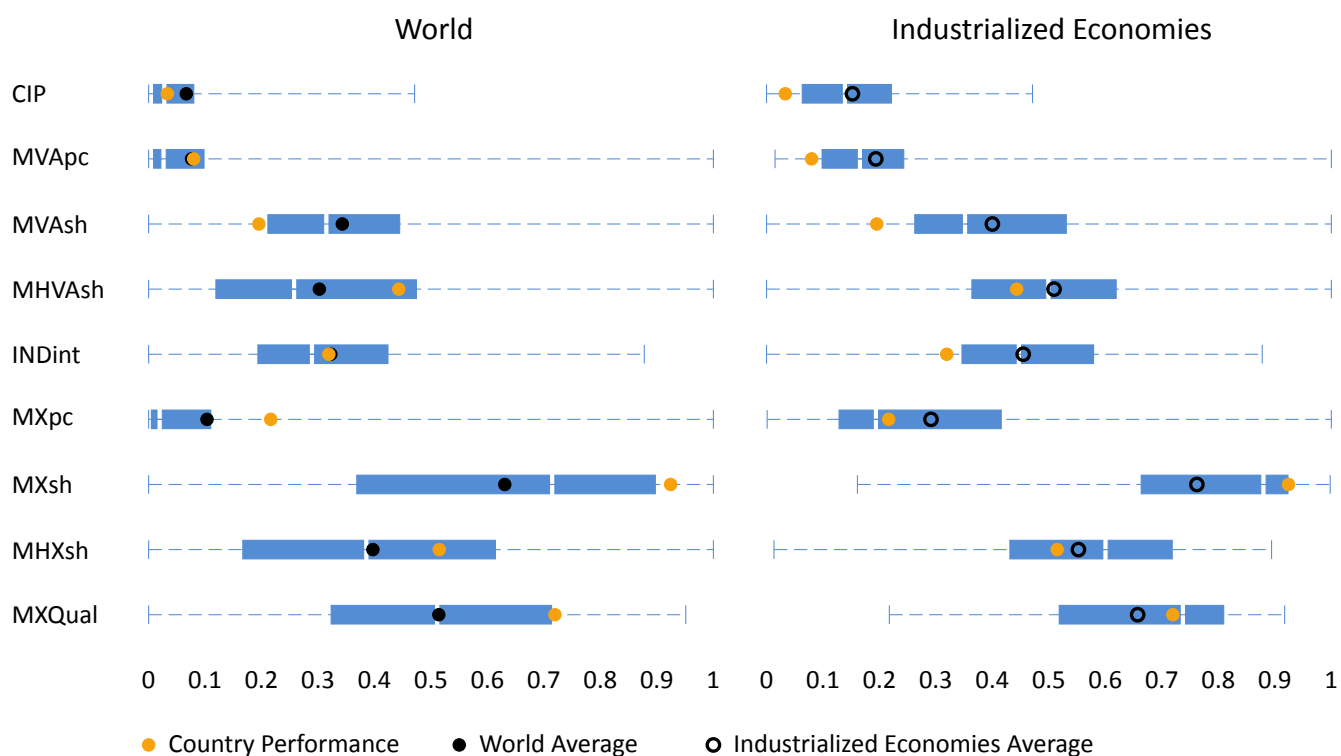


Performance indexes

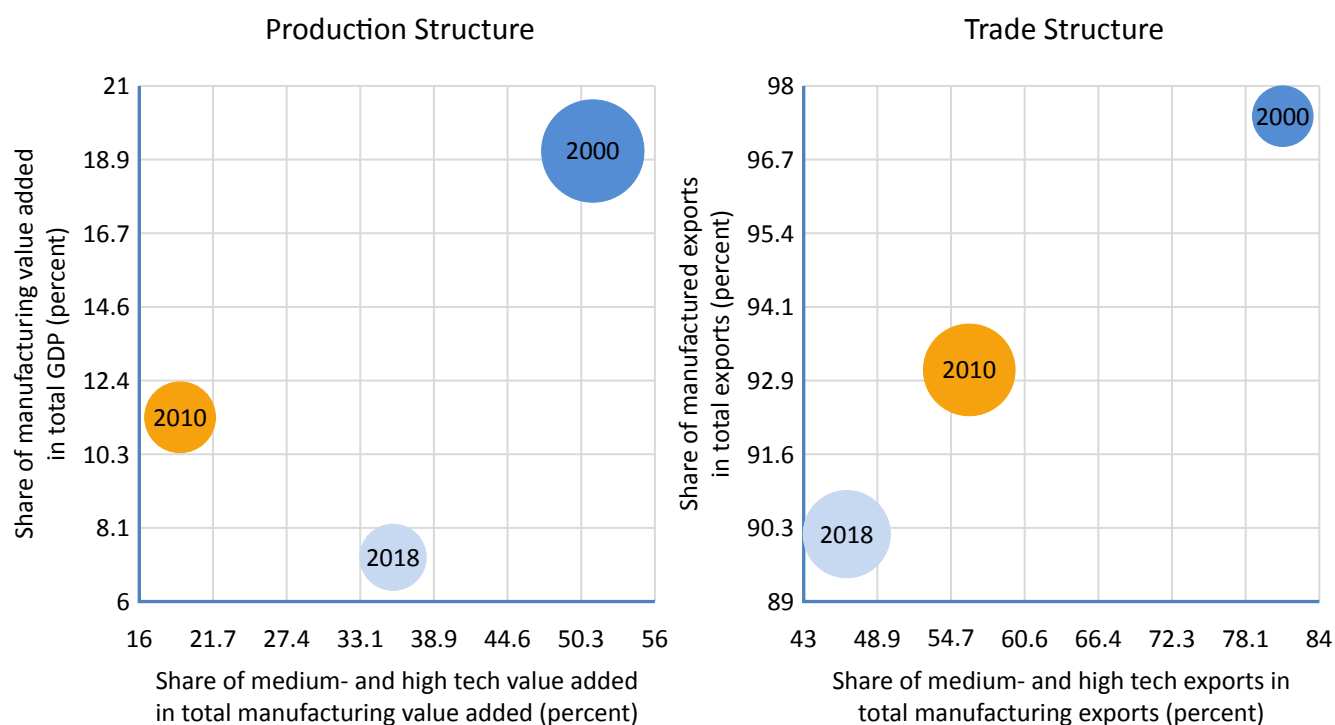
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	71	0.033	0.067	69 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	44	0.080	0.076	47	
Share of Manufacturing Value Added in GDP Index	121	0.195	0.343	119	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	42	0.443	0.302	42	
Industrialization Intensity Index	71	0.319	0.323	71	
Share of World Manufacturing Value Added Index	126	0.000	0.023	127	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	21	0.216	0.103	20	
Share of Manufacturing Exports in Total Exports Index	24	0.924	0.631	18	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	51	0.515	0.397	57	
Index Industrial Export Quality Index	37	0.719	0.514	39	
Share in World Manufacturing Export Index	89	0.001	0.039	88	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Mauritius

Africa
Emerging Industrial Economies
Upper Middle Income

RANK 87
(index of 152 countries)

Score **0.019**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

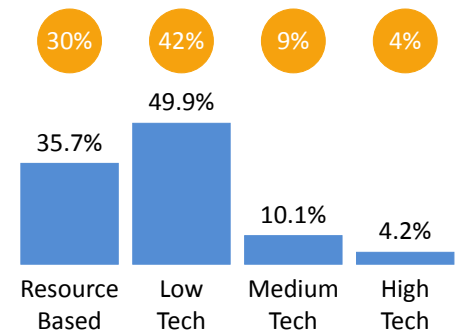
GDP: 13.1 billion | 10,327 per capita

Manufacturing value added: 1,577 million | 1,245 per capita

Manufacturing exports: 1,692 million | 1,335 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

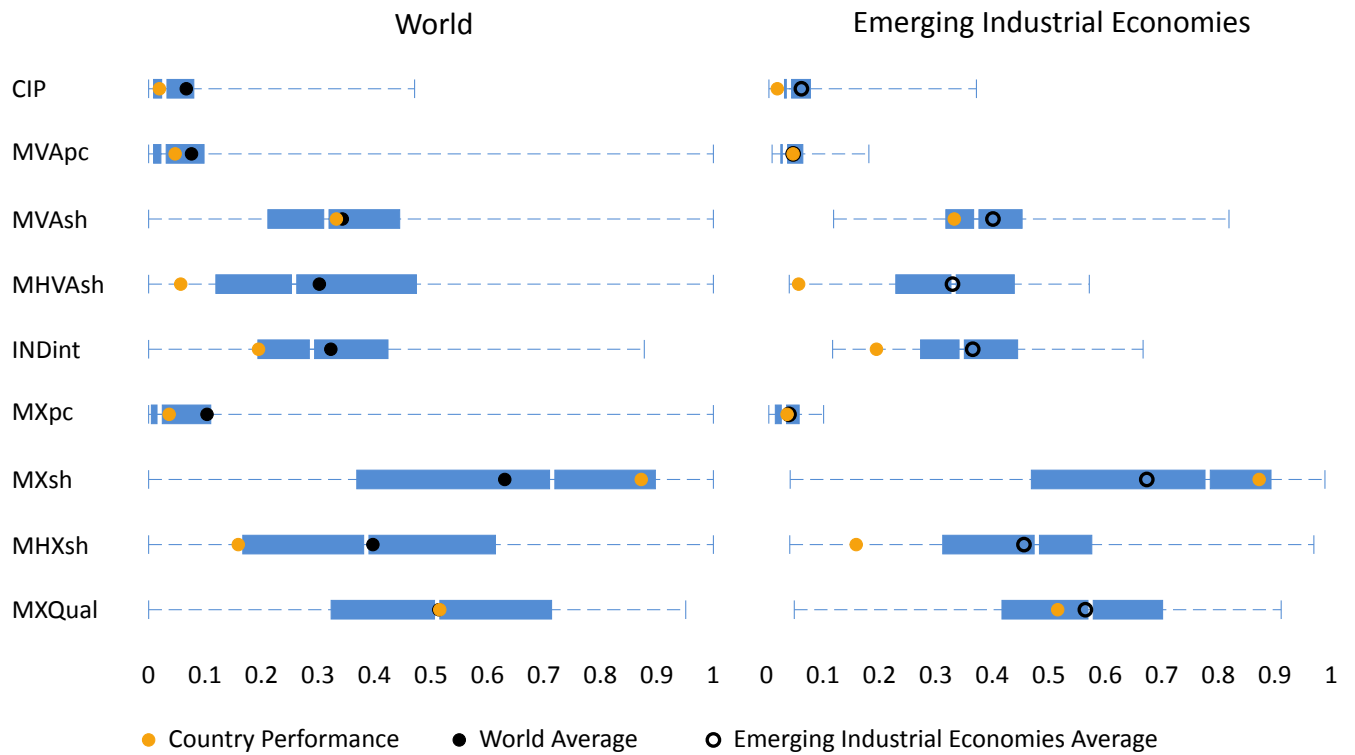


Performance indexes

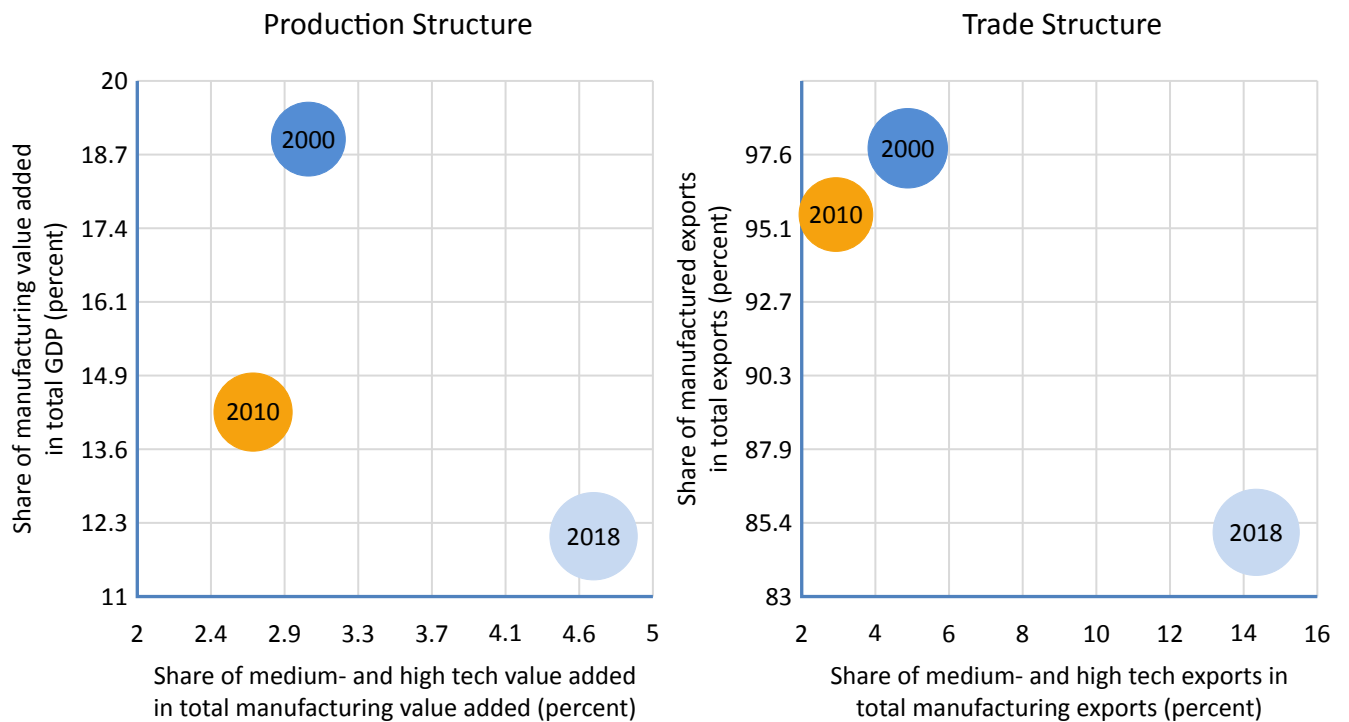
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	87	0.019	0.067	87 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	59	0.047	0.076	59	
Share of Manufacturing Value Added in GDP Index	72	0.332	0.343	71	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	135	0.057	0.302	135	
Industrialization Intensity Index	112	0.195	0.323	109	
Share of World Manufacturing Value Added Index	110	0.000	0.023	109	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	64	0.036	0.103	61	
Share of Manufacturing Exports in Total Exports Index	47	0.872	0.631	43	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	118	0.159	0.397	117	
Index Industrial Export Quality Index	75	0.515	0.514	71	
Share in World Manufacturing Export Index	107	0.001	0.039	101	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Mexico

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 20
(index of 152 countries)

Score **0.164**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

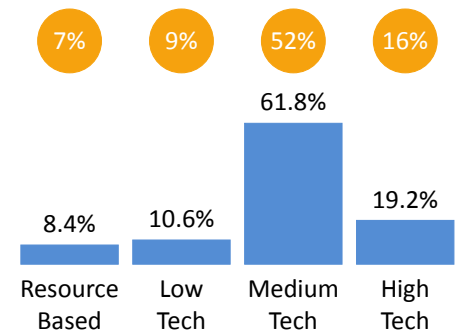
GDP: 1,254 billion | 9,939 per capita

Manufacturing value added: 213.8 billion | 1,694 per capita

Manufacturing exports: 376.5 billion | 2,983 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

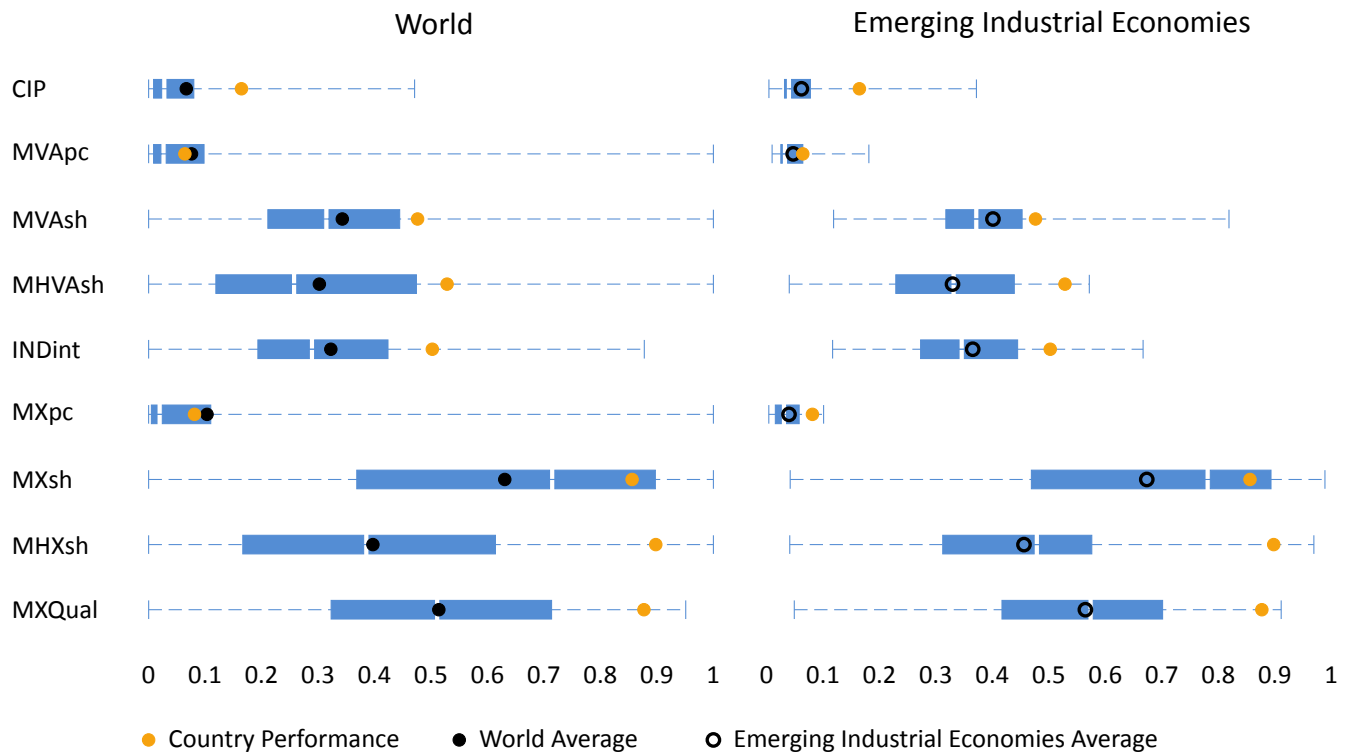


Performance indexes

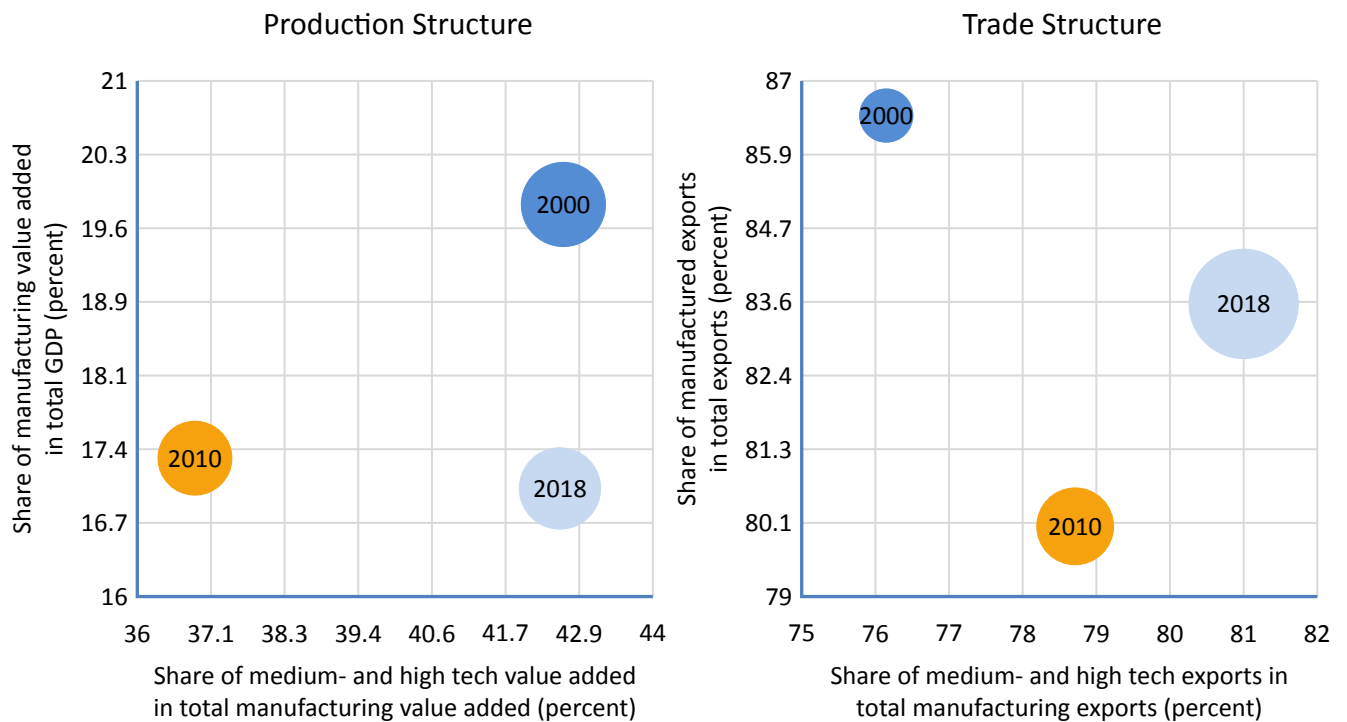
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	20	0.164	0.067	20 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	50	0.064	0.076	49	
Share of Manufacturing Value Added in GDP Index	33	0.476	0.343	31	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	26	0.528	0.302	27	
Industrialization Intensity Index	23	0.502	0.323	22	
Share of World Manufacturing Value Added Index	10	0.055	0.023	10	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	48	0.081	0.103	46	
Share of Manufacturing Exports in Total Exports Index	56	0.856	0.631	47	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	4	0.898	0.397	4	
Index Industrial Export Quality Index	9	0.877	0.514	7	
Share in World Manufacturing Export Index	10	0.157	0.039	11	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Mongolia

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 104
(index of 152 countries)

Score **0.012**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

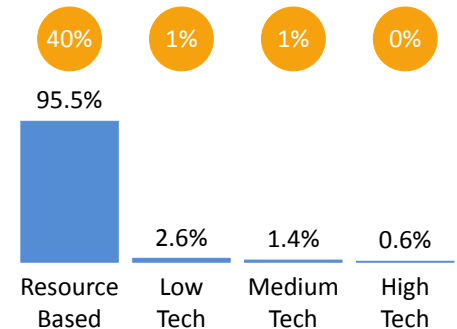
GDP: 13.4 billion | 4,212 per capita

Manufacturing value added: 1,118 million | 353 per capita

Manufacturing exports: 2,919 million | 921 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

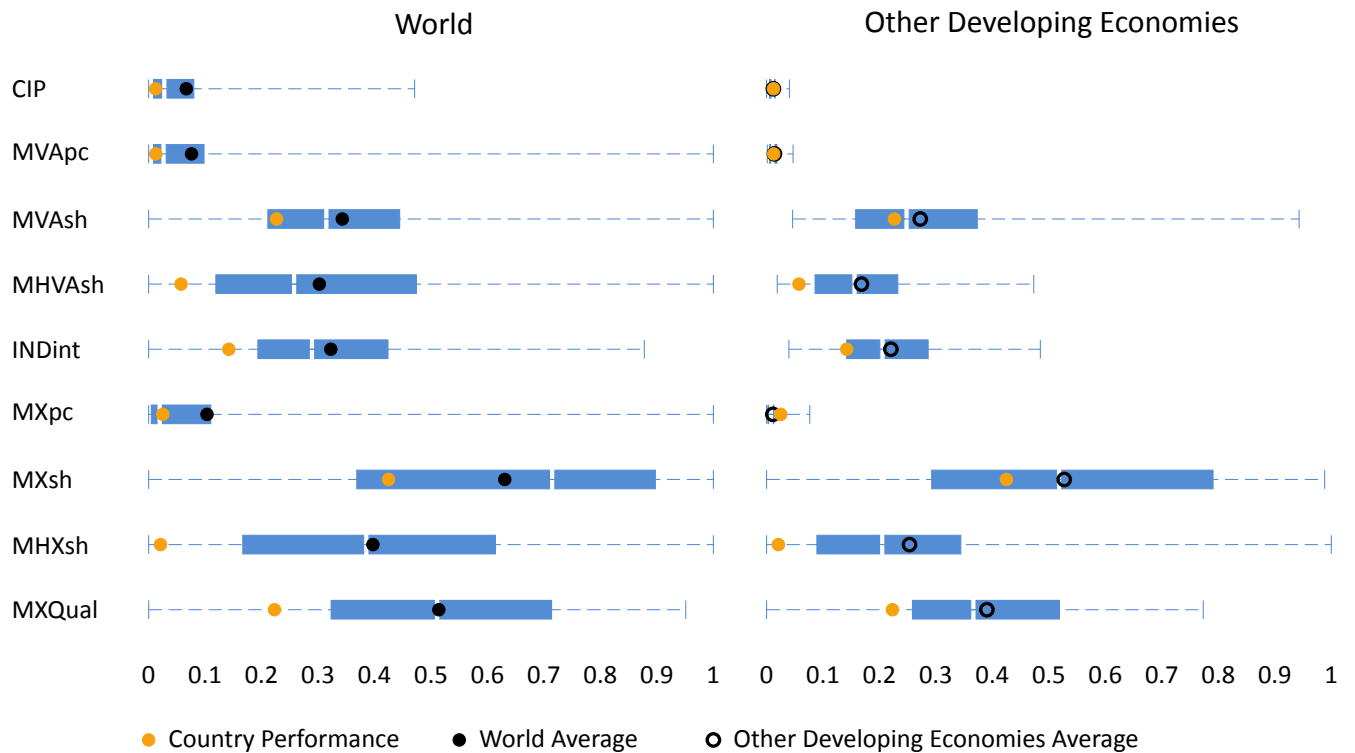


Performance indexes

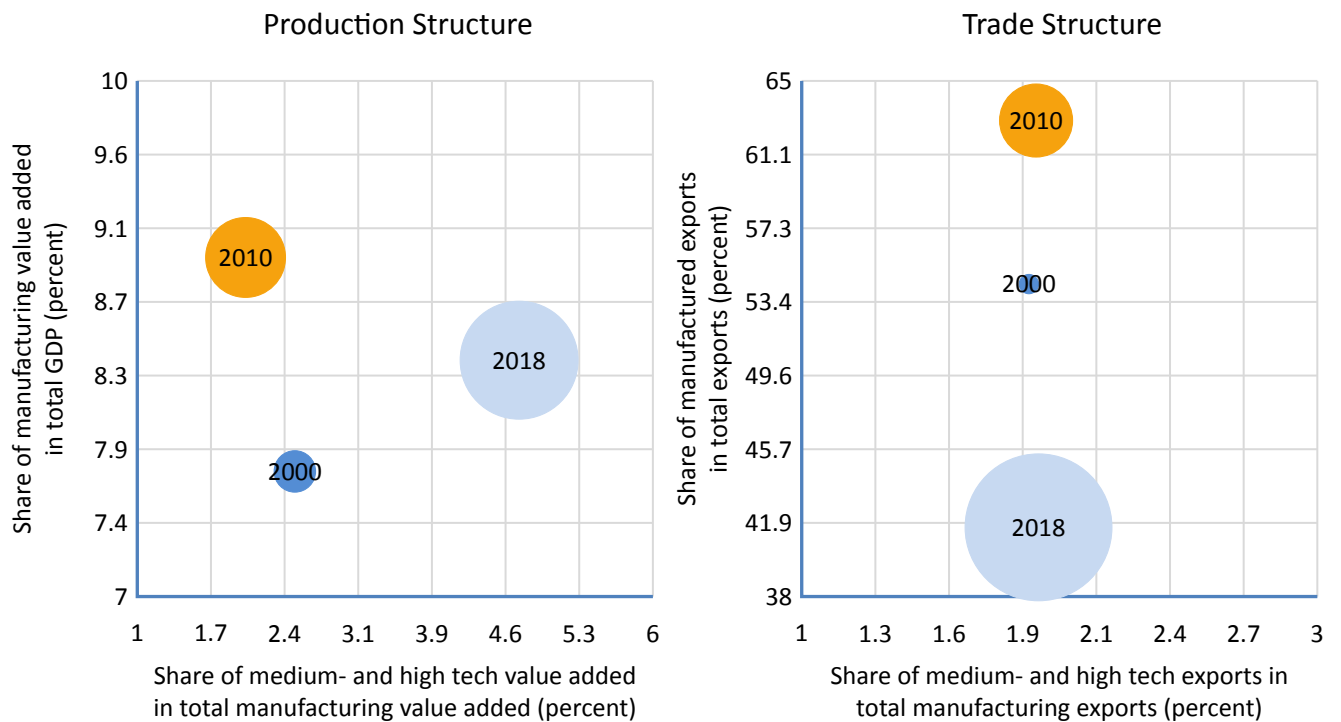
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	104	0.012	0.067	106 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	102	0.013	0.076	102	
Share of Manufacturing Value Added in GDP Index	110	0.227	0.343	109	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	134	0.057	0.302	134	
Industrialization Intensity Index	129	0.142	0.323	130	
Share of World Manufacturing Value Added Index	121	0.000	0.023	121	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	68	0.025	0.103	73	
Share of Manufacturing Exports in Total Exports Index	109	0.425	0.631	111	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	143	0.021	0.397	147	
Index Industrial Export Quality Index	137	0.223	0.514	138	
Share in World Manufacturing Export Index	94	0.001	0.039	95	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Montenegro

Europe
Other Developing Economies
Upper Middle Income

RANK 127
(index of 152 countries)

Score **0.006**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

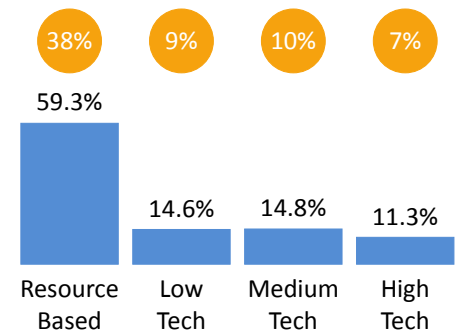
GDP: 4,584 million | 7,301 per capita

Manufacturing value added: 180.5 million | 288 per capita

Manufacturing exports: 298.6 million | 476 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

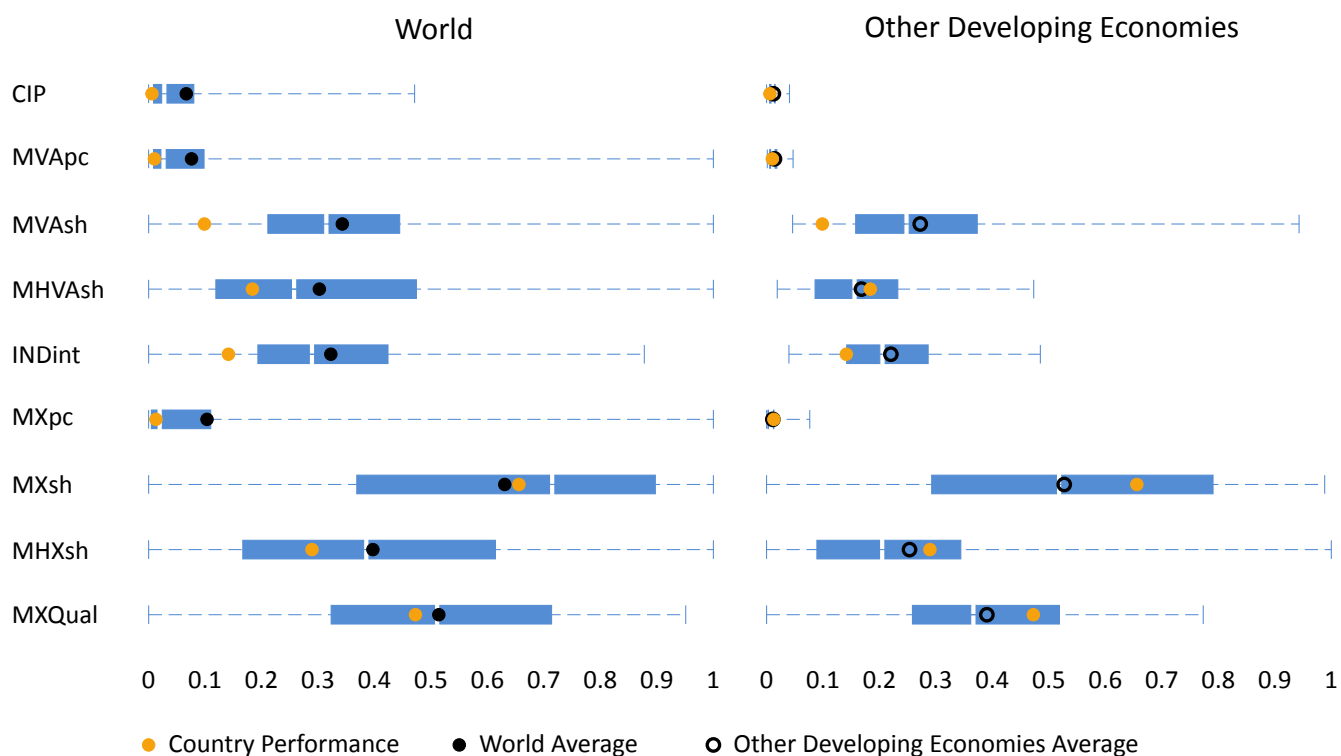


Performance indexes

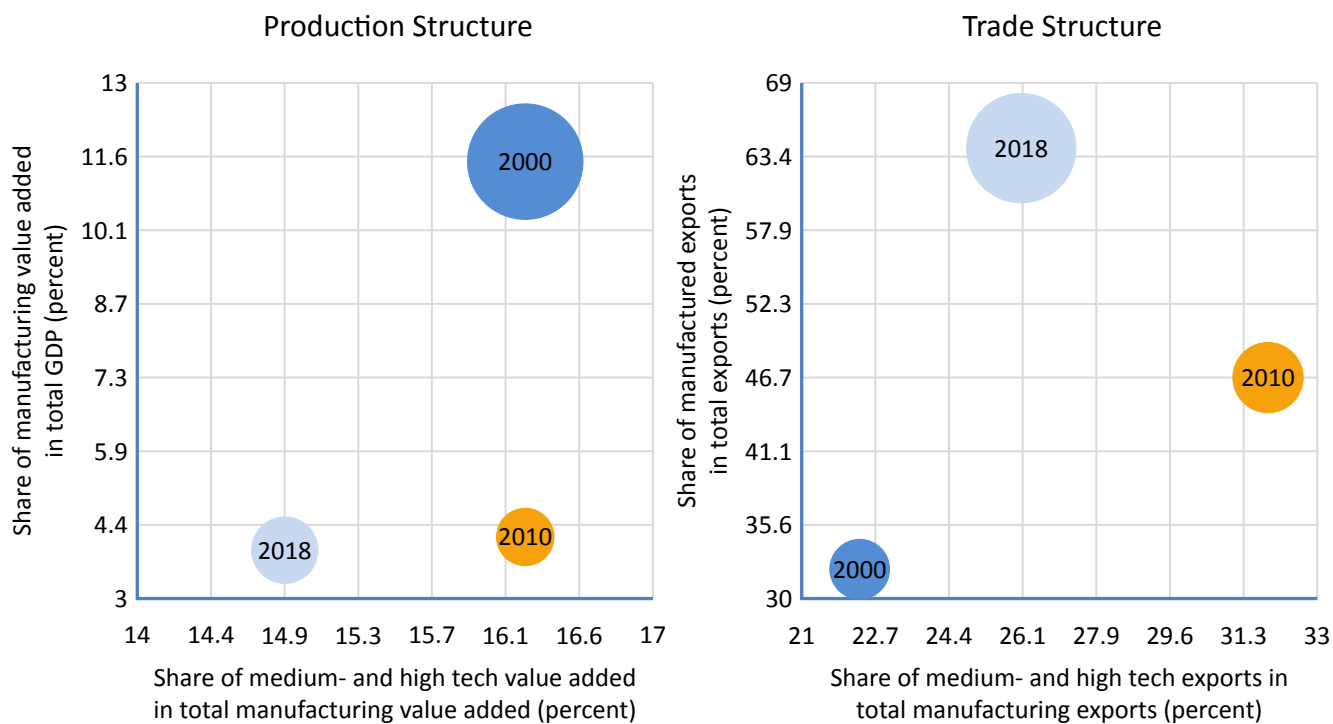
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	127	0.006	0.067	126 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	107	0.010	0.076	108	
Share of Manufacturing Value Added in GDP Index	144	0.099	0.343	144	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	99	0.184	0.302	101	
Industrialization Intensity Index	130	0.141	0.323	131	
Share of World Manufacturing Value Added Index	145	0.000	0.023	145	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	87	0.013	0.103	89	
Share of Manufacturing Exports in Total Exports Index	83	0.656	0.631	76	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	92	0.289	0.397	98	
Index Industrial Export Quality Index	82	0.472	0.514	78	
Share in World Manufacturing Export Index	130	0.000	0.039	131	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Morocco

Africa
Other Developing Economies
Lower Middle Income

RANK 61
(index of 152 countries)

Score **0.041**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

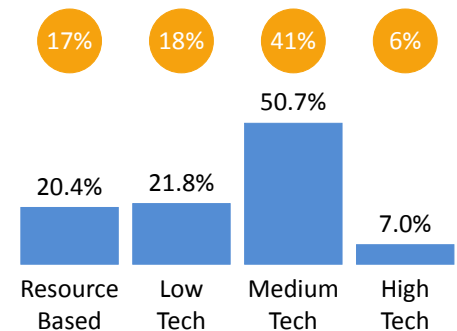
GDP: 113.6 billion | 3,153 per capita

Manufacturing value added: 17.6 billion | 487 per capita

Manufacturing exports: 23.8 billion | 660 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

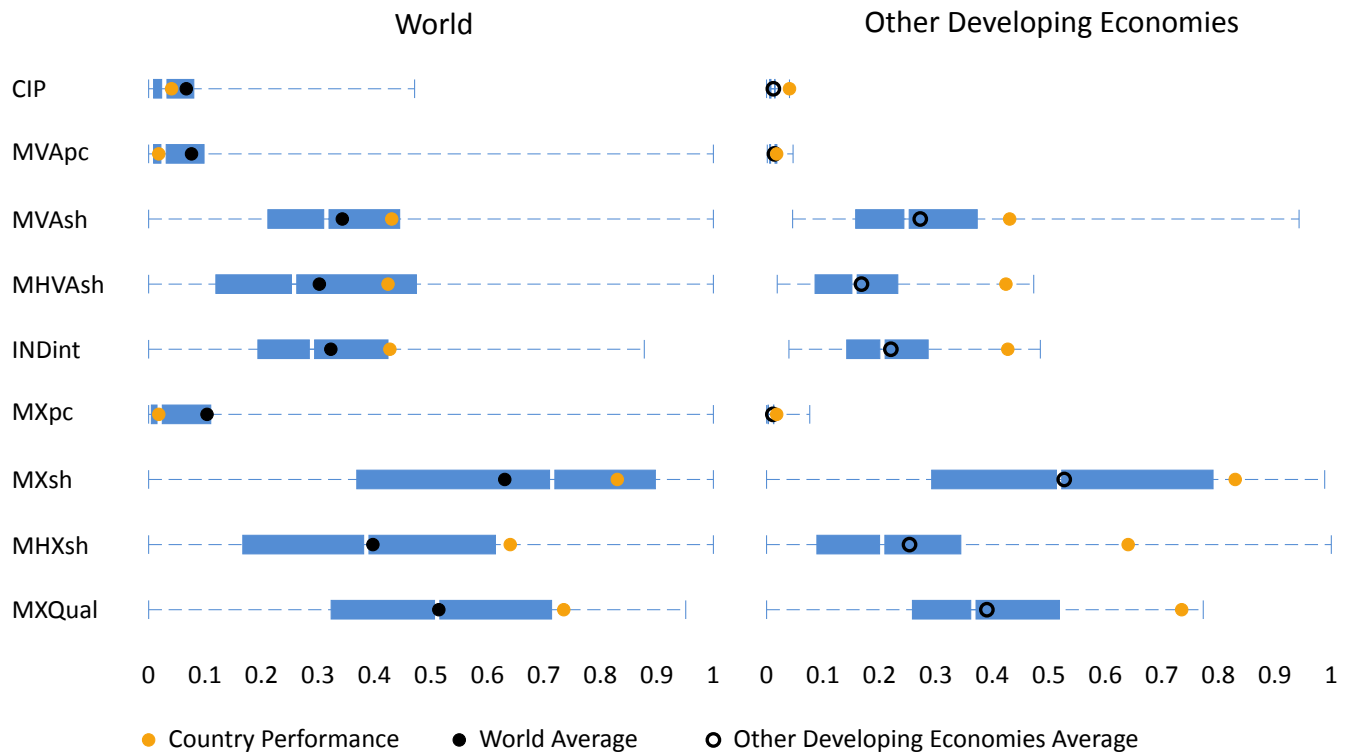


Performance indexes

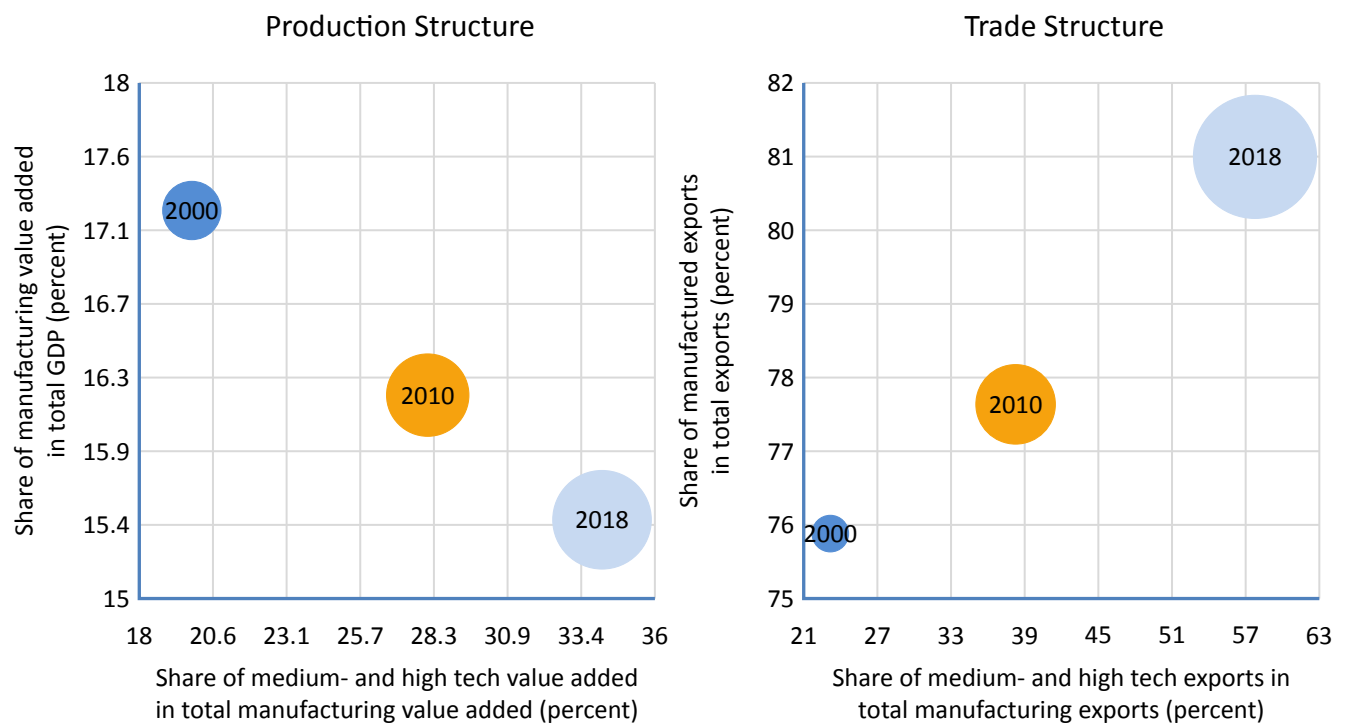
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	61	0.041	0.067	61 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	93	0.018	0.076	93	
Share of Manufacturing Value Added in GDP Index	44	0.430	0.343	43	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	47	0.424	0.302	48	
Industrialization Intensity Index	37	0.427	0.323	39	
Share of World Manufacturing Value Added Index	56	0.005	0.023	56	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	79	0.018	0.103	85	
Share of Manufacturing Exports in Total Exports Index	61	0.830	0.631	61	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	33	0.640	0.397	35	
Index Industrial Export Quality Index	35	0.735	0.514	36	
Share in World Manufacturing Export Index	53	0.010	0.039	54	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Mozambique

Africa
Least Developed Countries
Low Income

RANK 132
(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

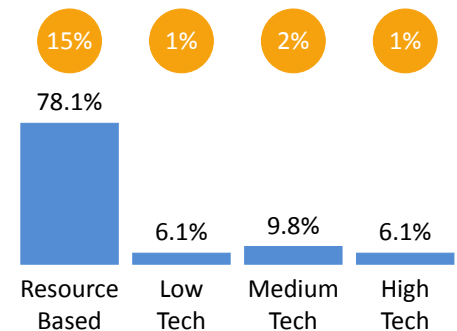
GDP: 16.5 billion | 558 per capita

Manufacturing value added: 1,437 million | 48.7 per capita

Manufacturing exports: 998.8 million | 34.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

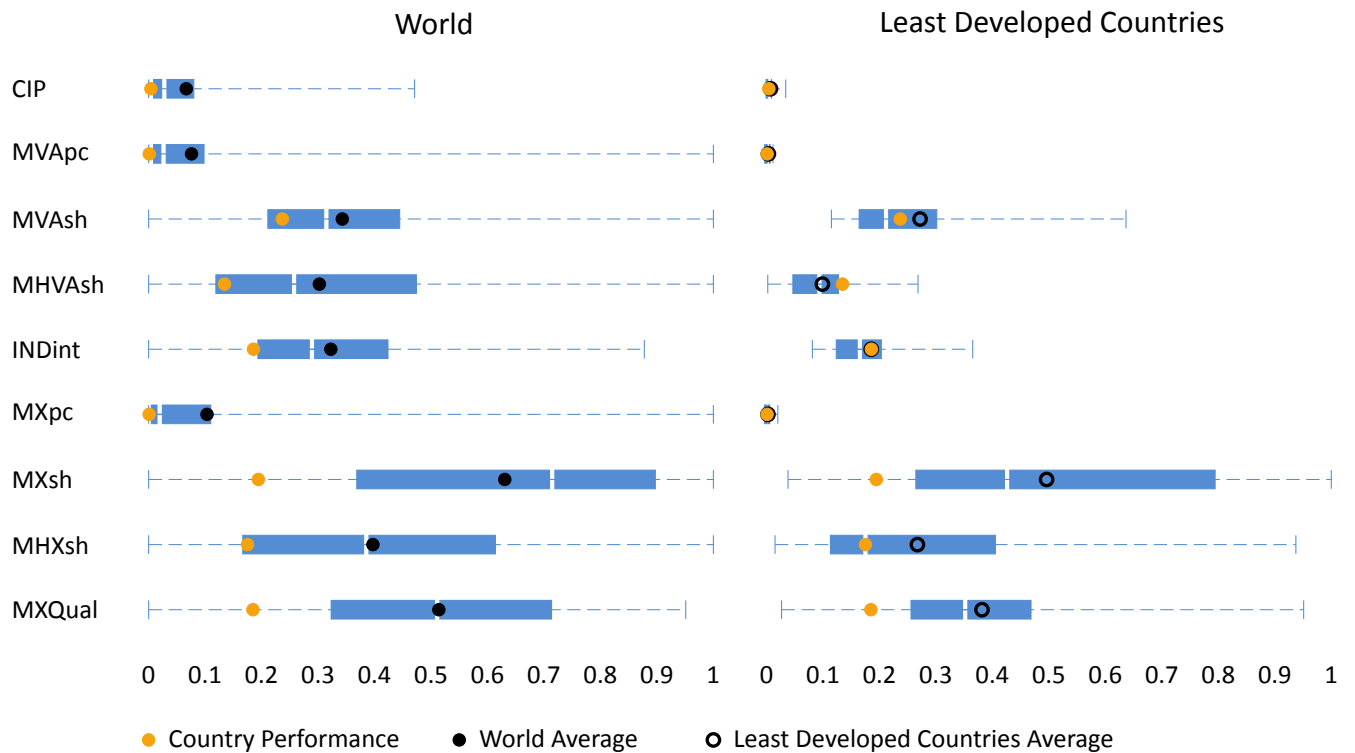


Performance indexes

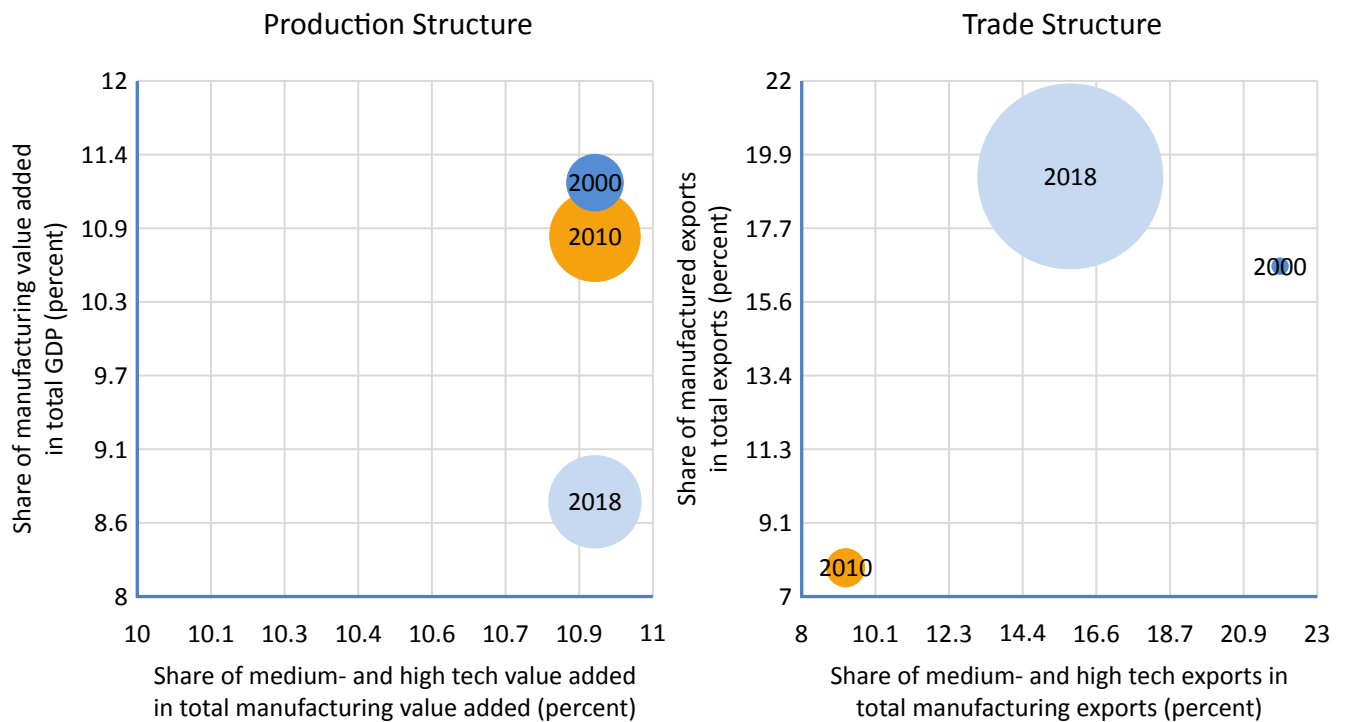
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	132	0.004	0.067	135 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	145	0.001	0.076	145	
Share of Manufacturing Value Added in GDP Index	106	0.237	0.343	107	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	109	0.134	0.302	108	
Industrialization Intensity Index	119	0.186	0.323	119	
Share of World Manufacturing Value Added Index	111	0.000	0.023	112	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	137	0.001	0.103	136	
Share of Manufacturing Exports in Total Exports Index	136	0.194	0.631	143	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	112	0.175	0.397	116	
Index Industrial Export Quality Index	143	0.185	0.514	146	
Share in World Manufacturing Export Index	123	0.000	0.039	125	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Myanmar

Asia and Pacific
Least Developed Countries
Lower Middle Income

RANK 84
(index of 152 countries)

Score **0.021**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

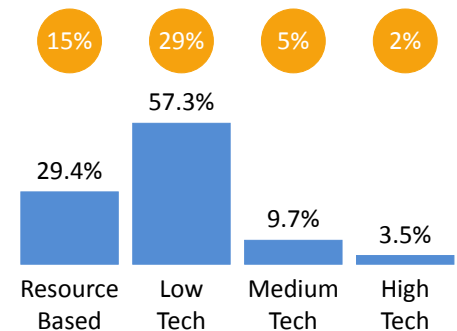
GDP: 75.6 billion | 1,407 per capita

Manufacturing value added: 17.1 billion | 318 per capita

Manufacturing exports: 8,572 million | 160 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

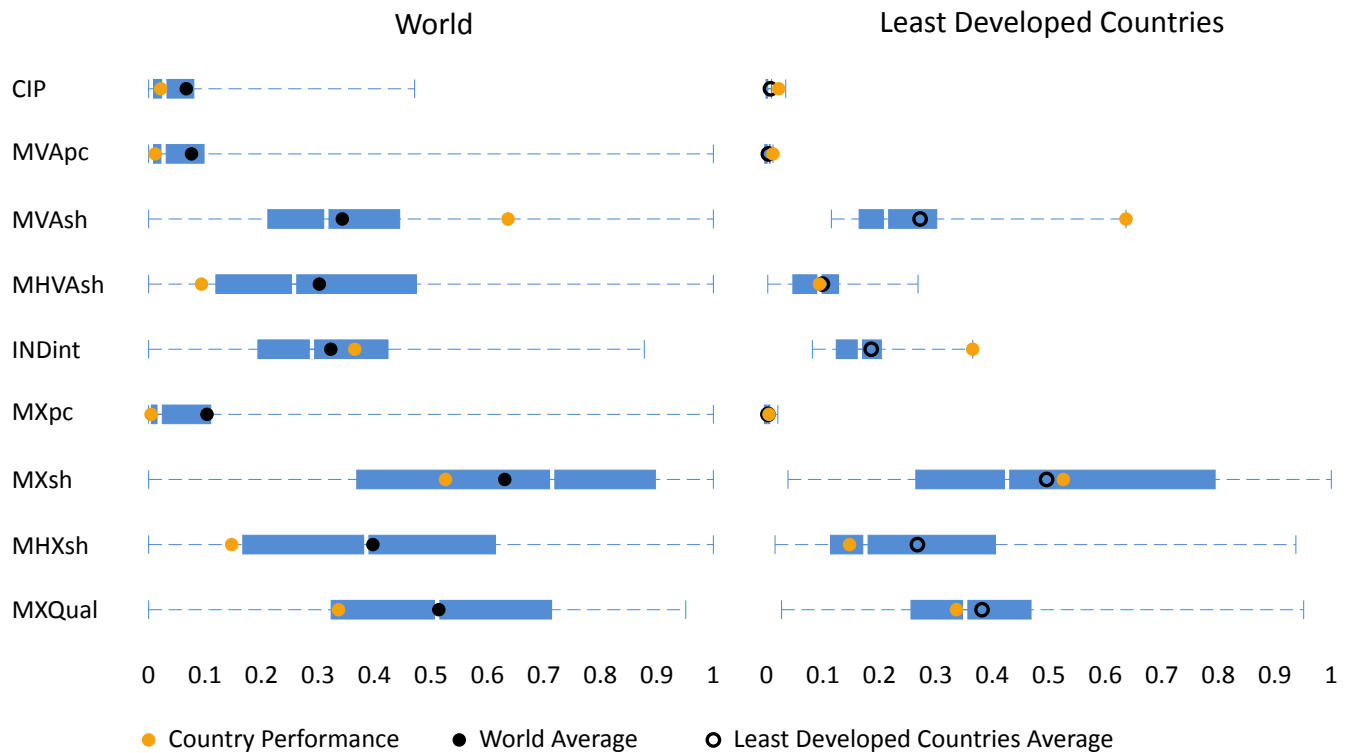


Performance indexes

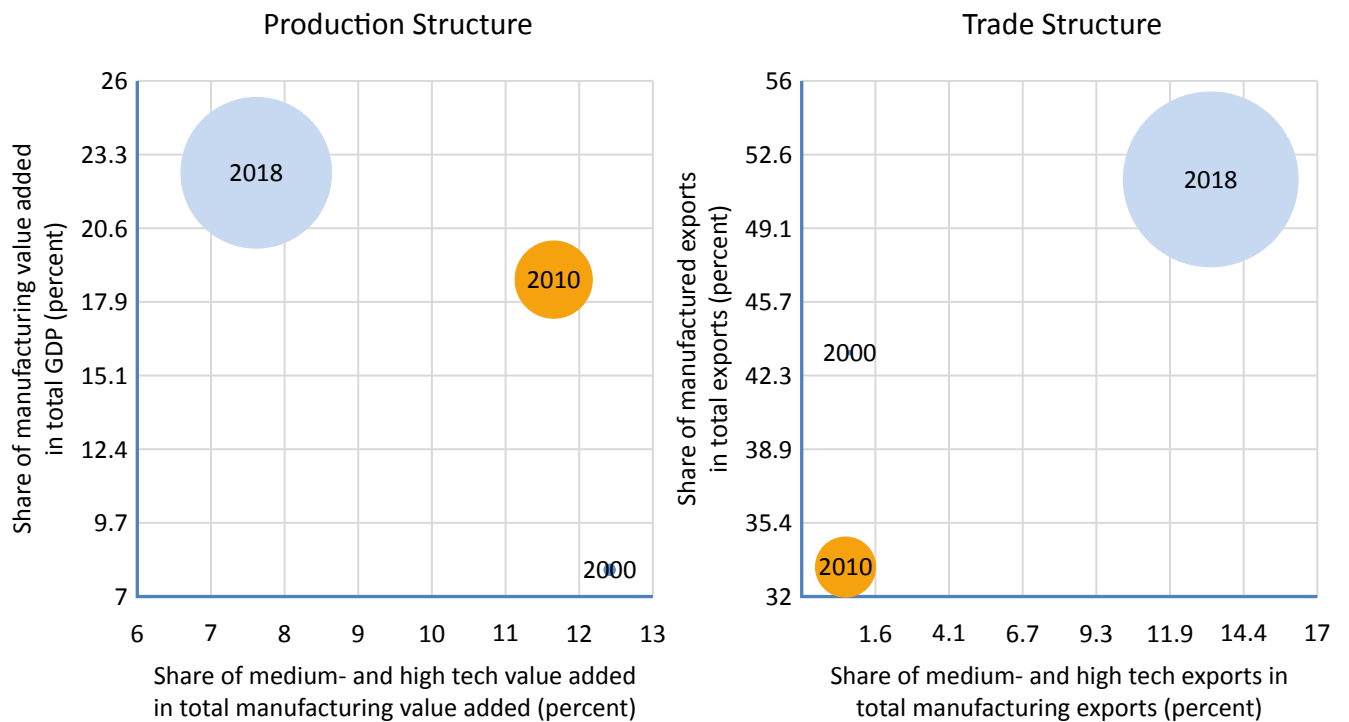
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	84	0.021	0.067	89 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	104	0.011	0.076	106	
Share of Manufacturing Value Added in GDP Index	9	0.636	0.343	9	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	121	0.094	0.302	119	
Industrialization Intensity Index	51	0.365	0.323	54	
Share of World Manufacturing Value Added Index	57	0.004	0.023	58	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	115	0.004	0.103	119	
Share of Manufacturing Exports in Total Exports Index	95	0.526	0.631	103	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	120	0.147	0.397	107	
Index Industrial Export Quality Index	110	0.336	0.514	113	
Share in World Manufacturing Export Index	75	0.004	0.039	78	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Namibia

Africa
Other Developing Economies
Upper Middle Income

RANK 97
(index of 152 countries)

Score **0.015**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

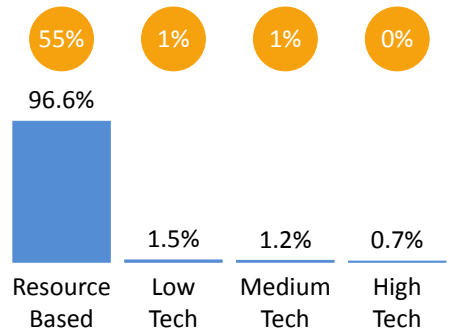
GDP: 11.6 billion | 4,754 per capita

Manufacturing value added: 1,278 million | 522 per capita

Manufacturing exports: 2,345 million | 958 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

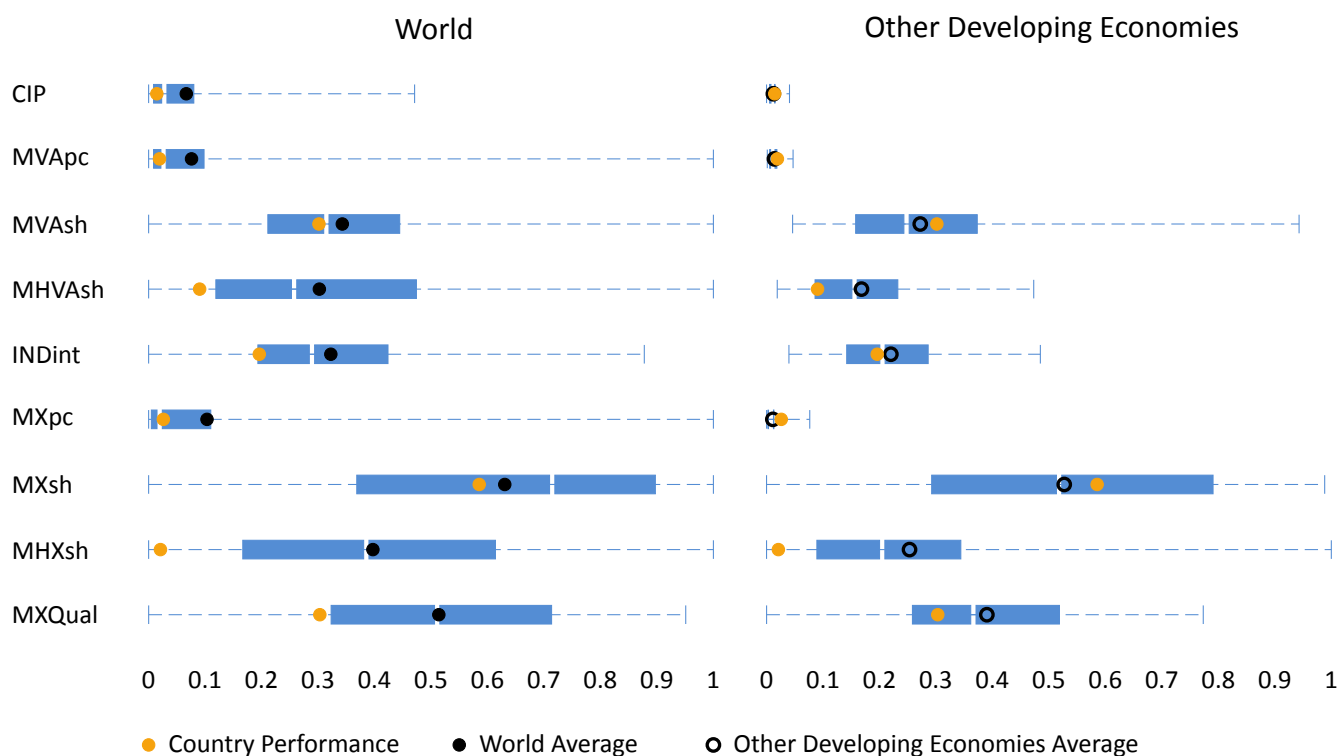


Performance indexes

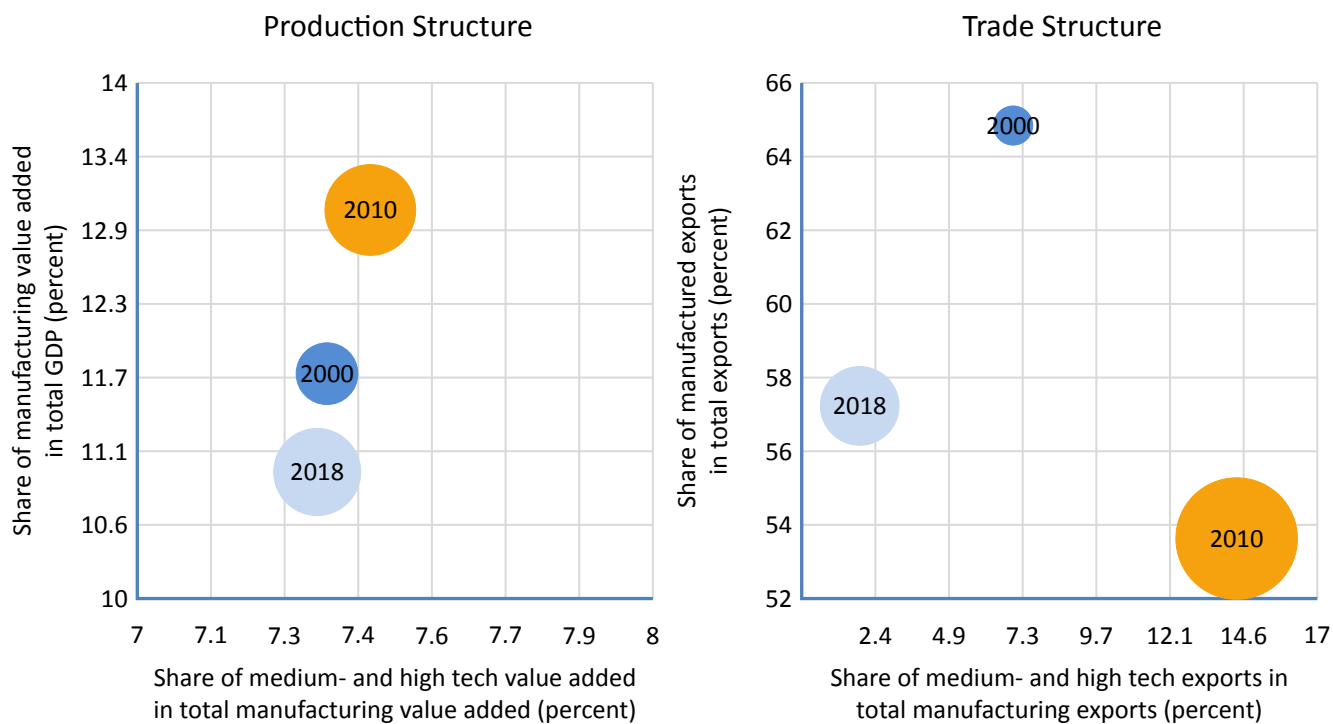
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	97	0.015	0.067	102 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	89	0.019	0.076	90	
Share of Manufacturing Value Added in GDP Index	83	0.302	0.343	93	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	123	0.090	0.302	121	
Industrialization Intensity Index	111	0.196	0.323	117	
Share of World Manufacturing Value Added Index	116	0.000	0.023	116	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	67	0.026	0.103	75	
Share of Manufacturing Exports in Total Exports Index	90	0.585	0.631	94	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	144	0.021	0.397	144	
Index Industrial Export Quality Index	123	0.303	0.514	125	
Share in World Manufacturing Export Index	100	0.001	0.039	102	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Nepal

Asia and Pacific
Least Developed Countries
Low Income

RANK 135

(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

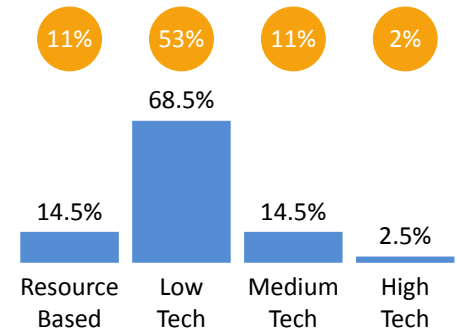
GDP: 23.9 billion | 852 per capita

Manufacturing value added: 1,270 million | 45.2 per capita

Manufacturing exports: 573.4 million | 21.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

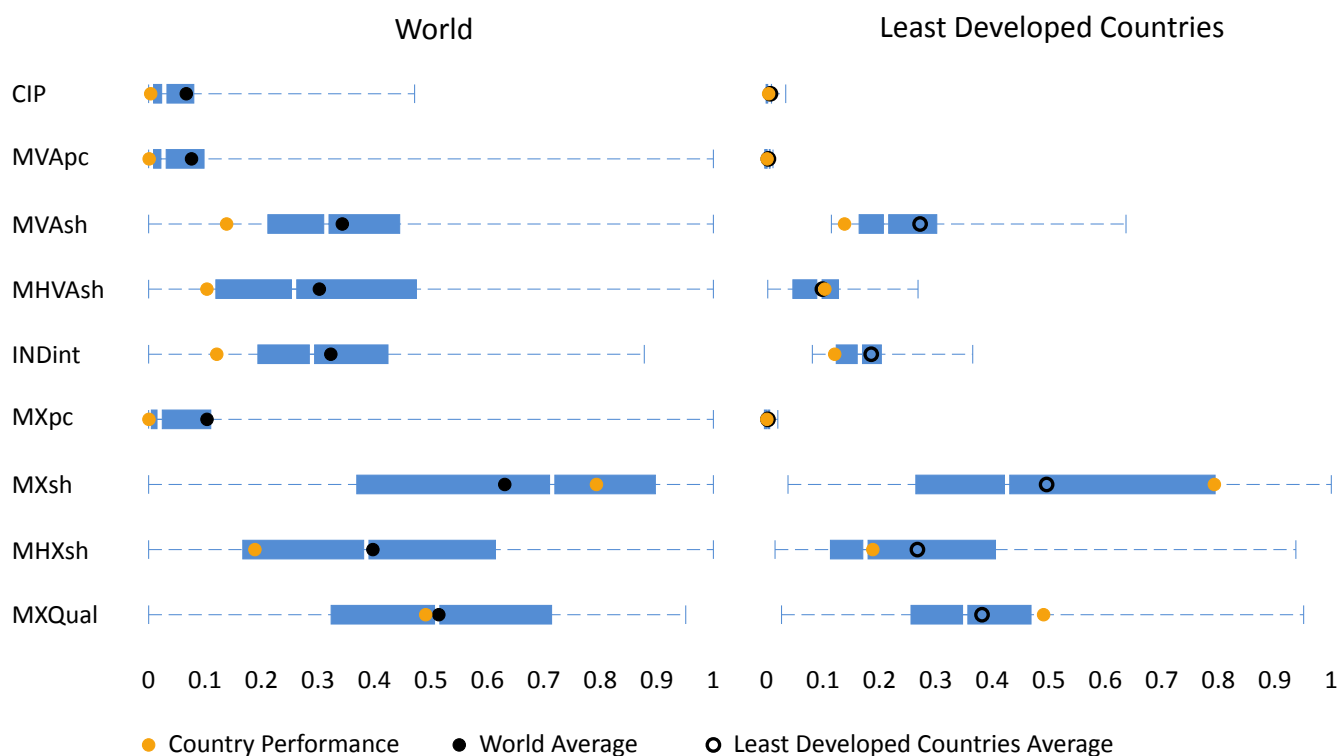


Performance indexes

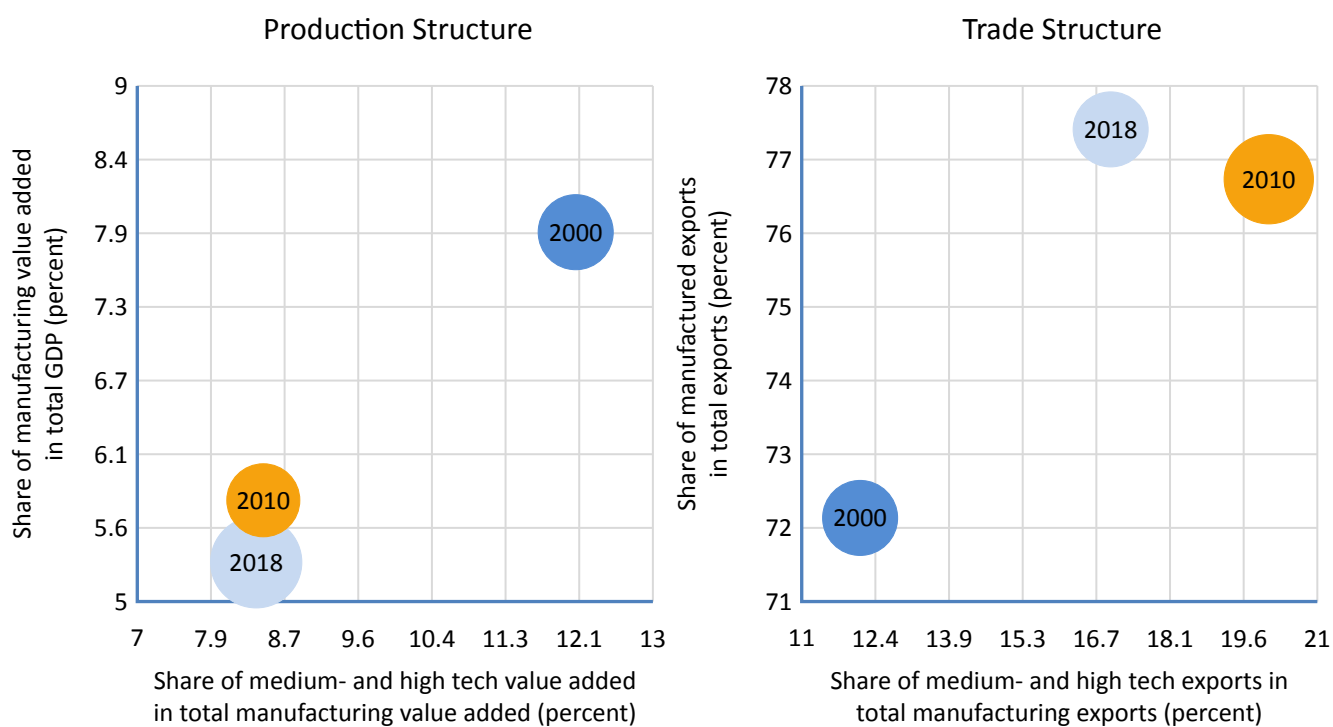
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	135	0.004	0.067	134 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	147	0.001	0.076	147	
Share of Manufacturing Value Added in GDP Index	137	0.138	0.343	137	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	117	0.103	0.302	116	
Industrialization Intensity Index	136	0.121	0.323	139	
Share of World Manufacturing Value Added Index	117	0.000	0.023	118	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	139	0.001	0.103	137	
Share of Manufacturing Exports in Total Exports Index	66	0.793	0.631	67	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	110	0.188	0.397	111	
Index Industrial Export Quality Index	81	0.491	0.514	77	
Share in World Manufacturing Export Index	127	0.000	0.039	127	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Netherlands

Europe
Industrialized Economies
High Income

RANK 10
(index of 152 countries)

Score **0.252**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

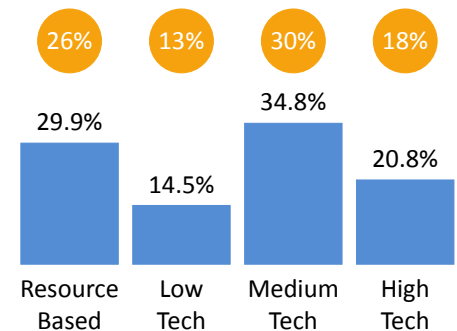
GDP: 827.9 billion | 48,528 per capita

Manufacturing value added: 91.3 billion | 5,352 per capita

Manufacturing exports: 481.6 billion | 28,233 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

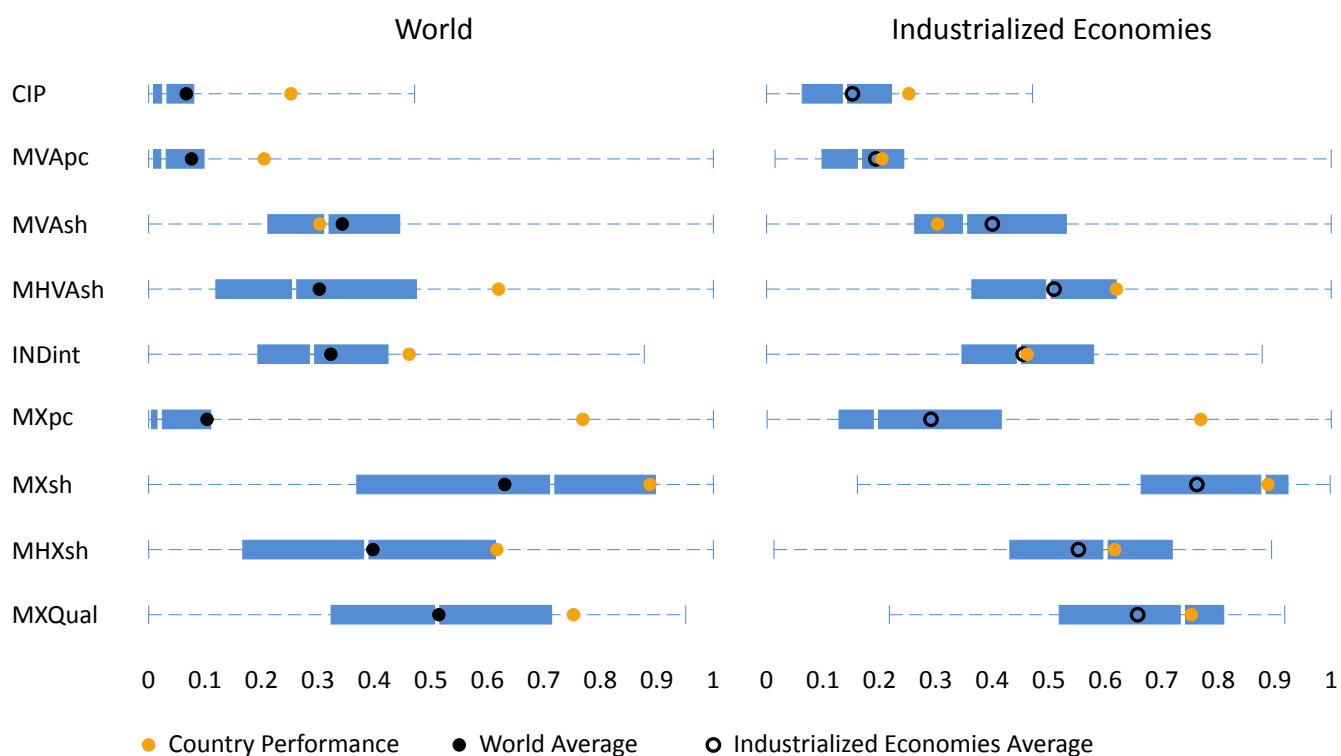


Performance indexes

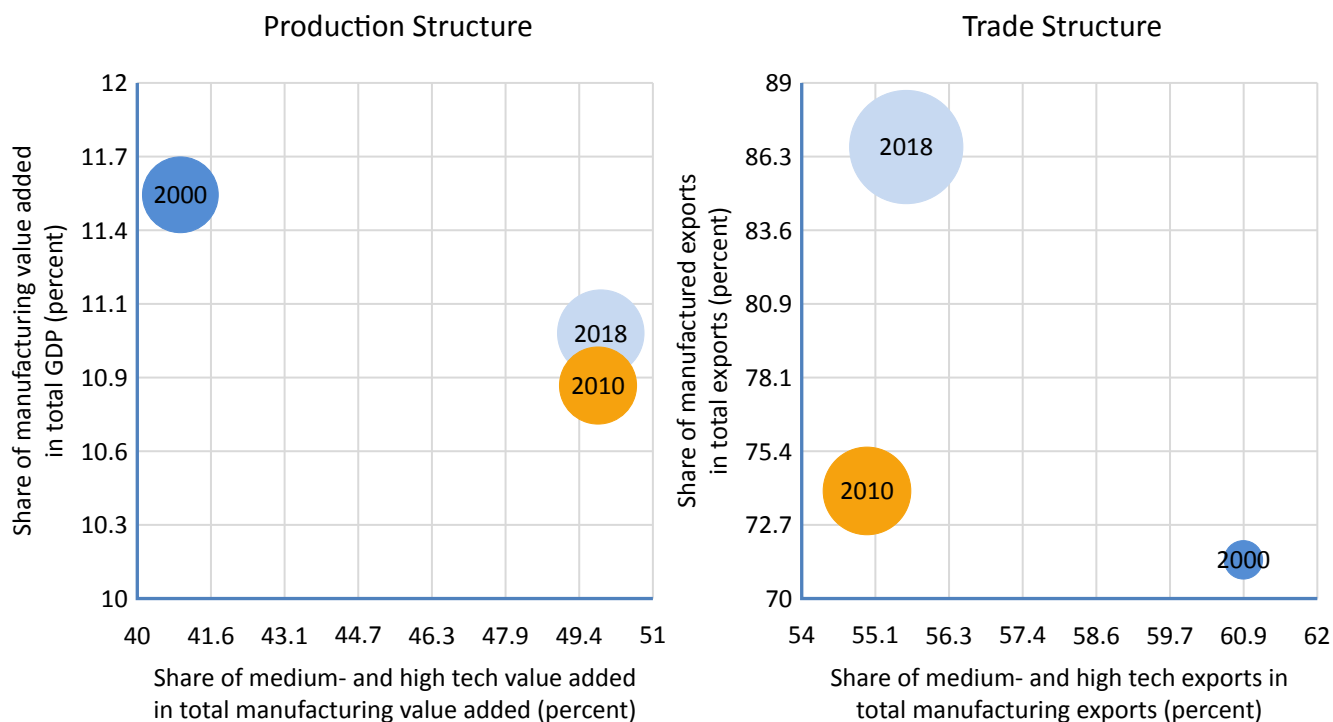
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	10	0.252	0.067	10 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	14	0.205	0.076	14	
Share of Manufacturing Value Added in GDP Index	81	0.303	0.343	84	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	12	0.620	0.302	12	
Industrialization Intensity Index	31	0.461	0.323	31	
Share of World Manufacturing Value Added Index	22	0.023	0.023	23	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	4	0.769	0.103	5	
Share of Manufacturing Exports in Total Exports Index	42	0.888	0.631	56	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	38	0.617	0.397	36	
Index Industrial Export Quality Index	30	0.752	0.514	34	
Share in World Manufacturing Export Index	8	0.200	0.039	8	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

New Zealand

Asia and Pacific
Industrialized Economies
High Income

RANK 44
(index of 152 countries)

Score **0.065**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

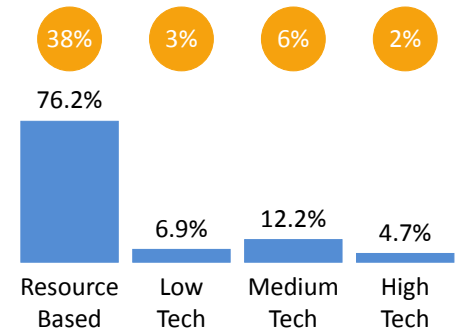
GDP: 193.9 billion | 40,883 per capita

Manufacturing value added: 21.2 billion | 4,464 per capita

Manufacturing exports: 19.1 billion | 4,027 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

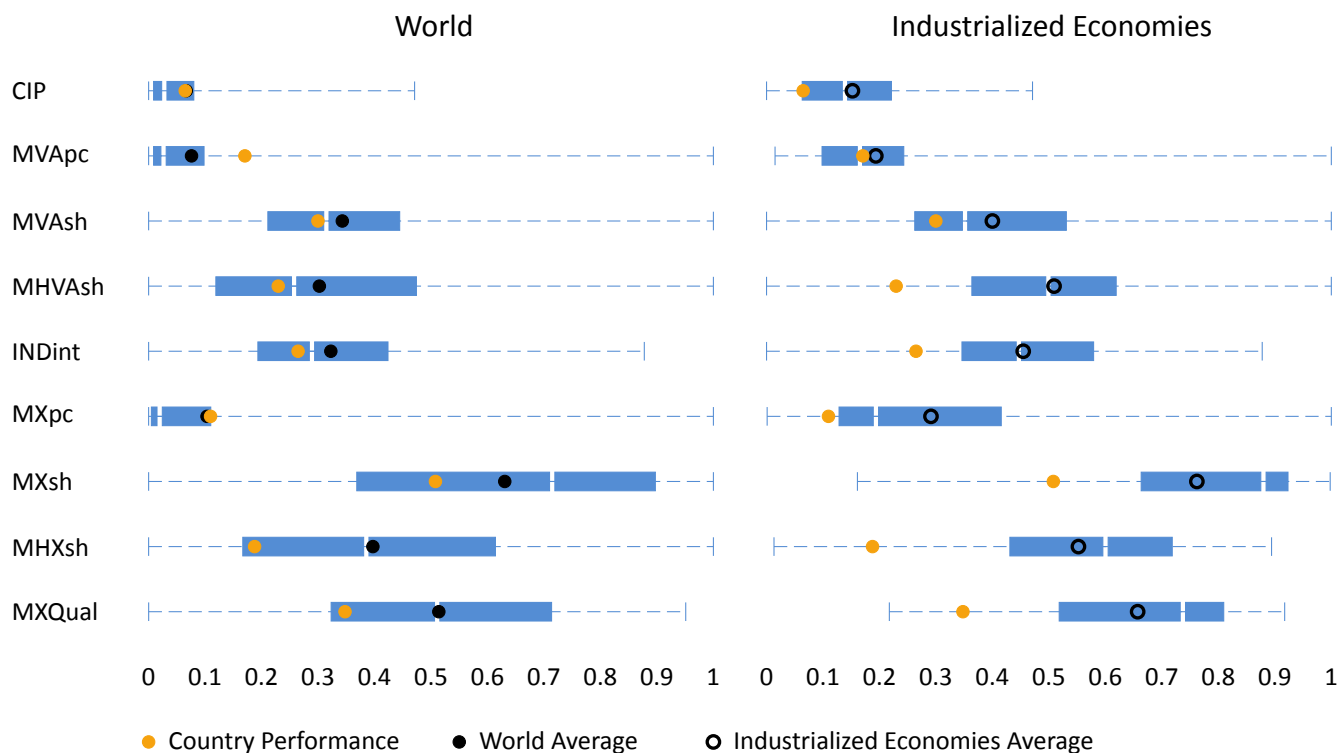


Performance indexes

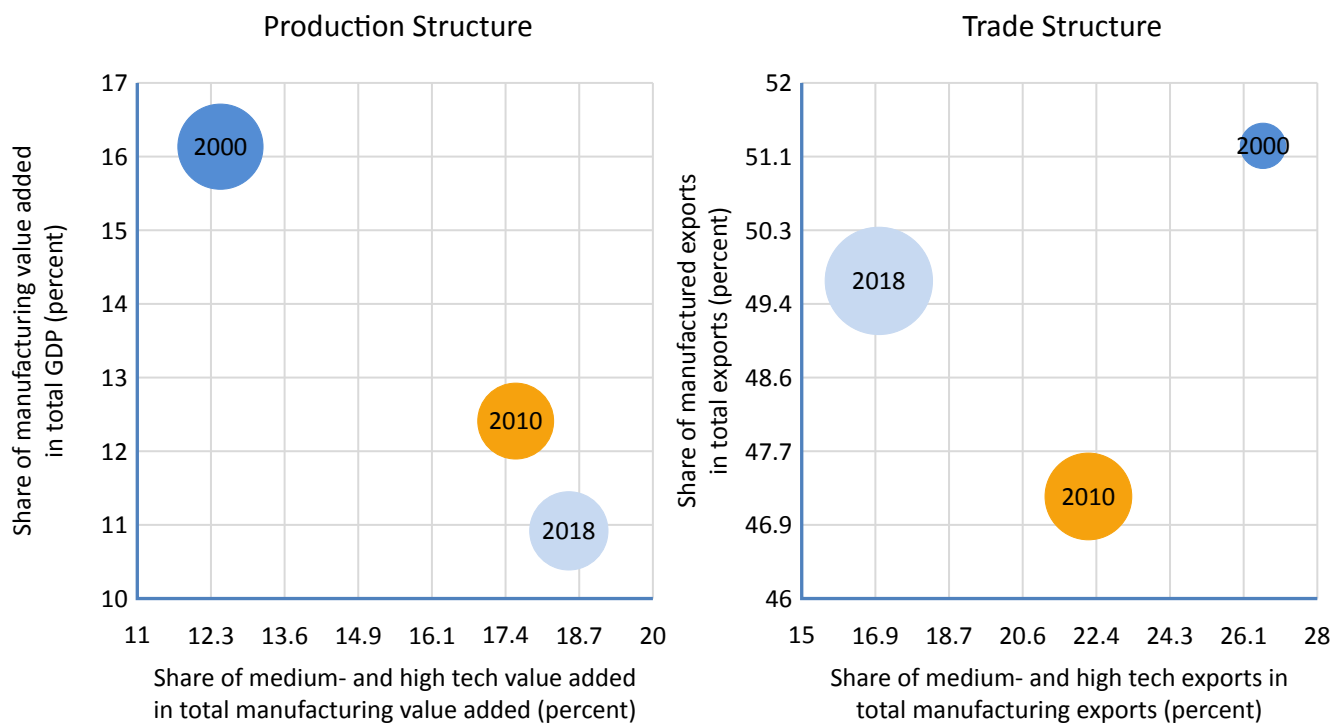
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	44	0.065	0.067	44 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	24	0.170	0.076	24	
Share of Manufacturing Value Added in GDP Index	86	0.300	0.343	82	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	84	0.229	0.302	87	
Industrialization Intensity Index	88	0.265	0.323	88	
Share of World Manufacturing Value Added Index	53	0.005	0.023	52	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	39	0.110	0.103	37	
Share of Manufacturing Exports in Total Exports Index	99	0.508	0.631	96	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	111	0.188	0.397	112	
Index Industrial Export Quality Index	108	0.348	0.514	109	
Share in World Manufacturing Export Index	57	0.008	0.039	55	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Niger

Africa
Least Developed Countries
Low Income

RANK 151

(index of 152 countries)

Score **0**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

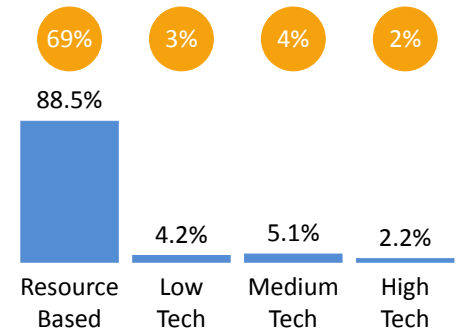
GDP: 8,495 million | 378 per capita

Manufacturing value added: 471.9 million | 21.0 per capita

Manufacturing exports: 722.2 million | 35.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

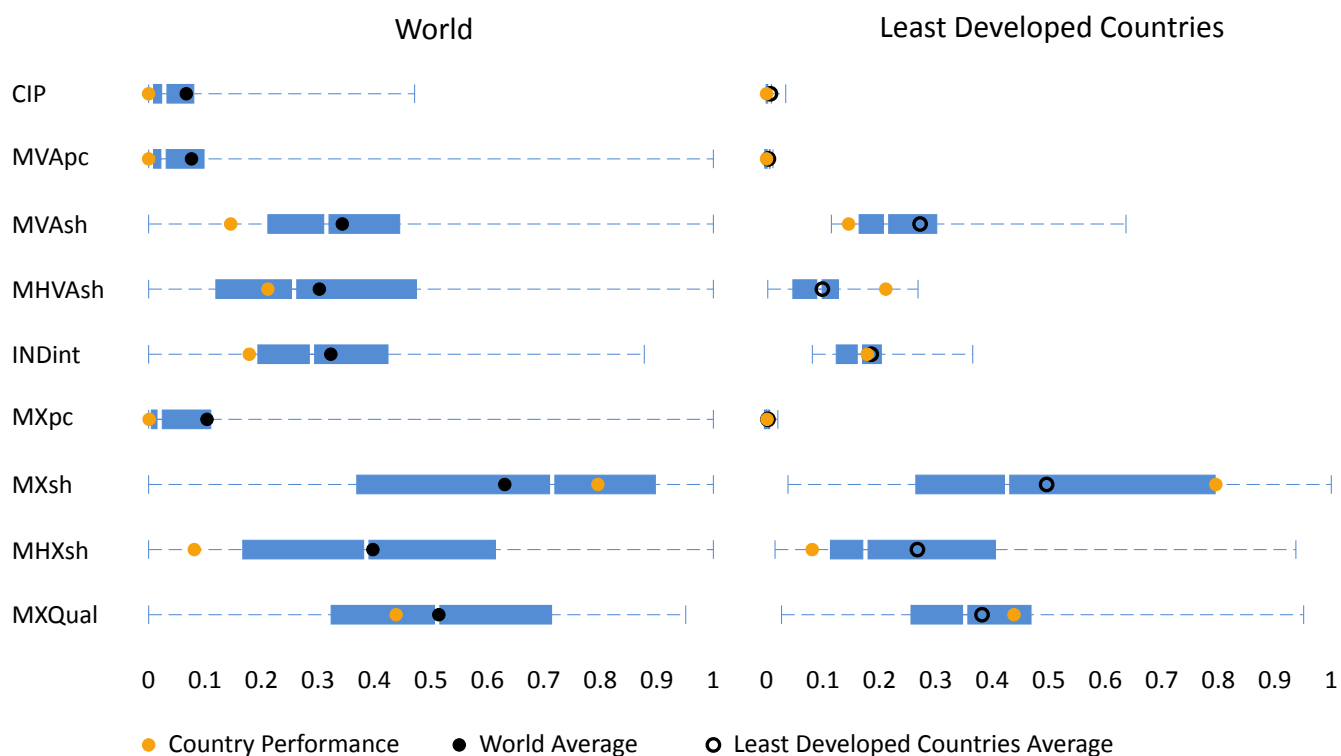


Performance indexes

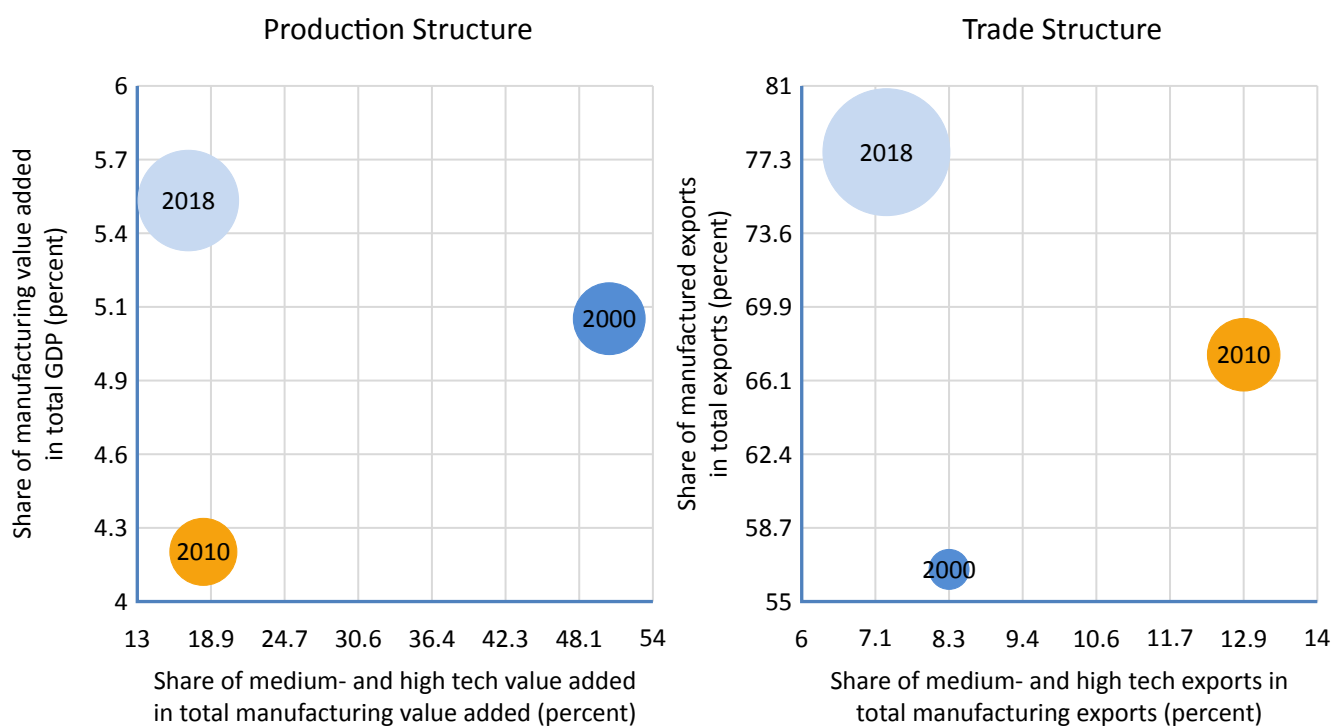
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	151	0.000	0.067	151 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	152	0.000	0.076	152	
Share of Manufacturing Value Added in GDP Index	134	0.145	0.343	132	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	91	0.211	0.302	92	
Industrialization Intensity Index	123	0.178	0.323	124	
Share of World Manufacturing Value Added Index	137	0.000	0.023	137	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	136	0.001	0.103	134	
Share of Manufacturing Exports in Total Exports Index	65	0.796	0.631	66	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	134	0.081	0.397	134	
Index Industrial Export Quality Index	90	0.438	0.514	88	
Share in World Manufacturing Export Index	126	0.000	0.039	124	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Nigeria

Africa
Other Developing Economies
Lower Middle Income

RANK 99
(index of 152 countries)

Score **0.014**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

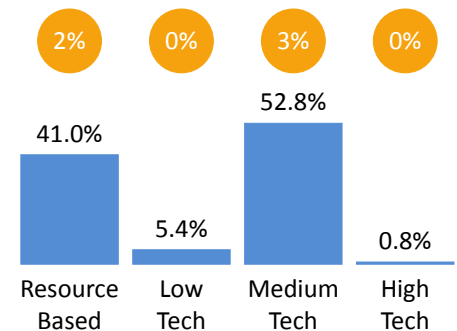
GDP: 500.0 billion | 2,553 per capita

Manufacturing value added: 45.6 billion | 233 per capita

Manufacturing exports: 3,505 million | 18.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

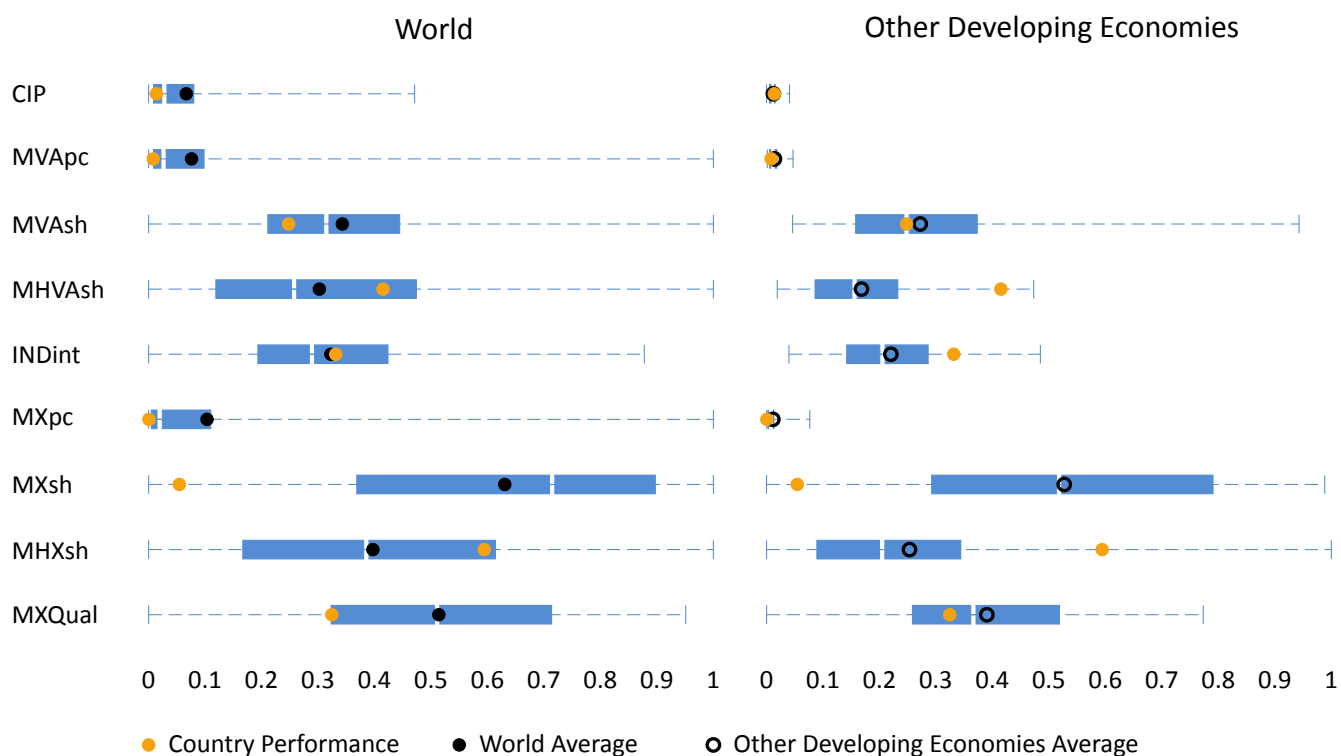


Performance indexes

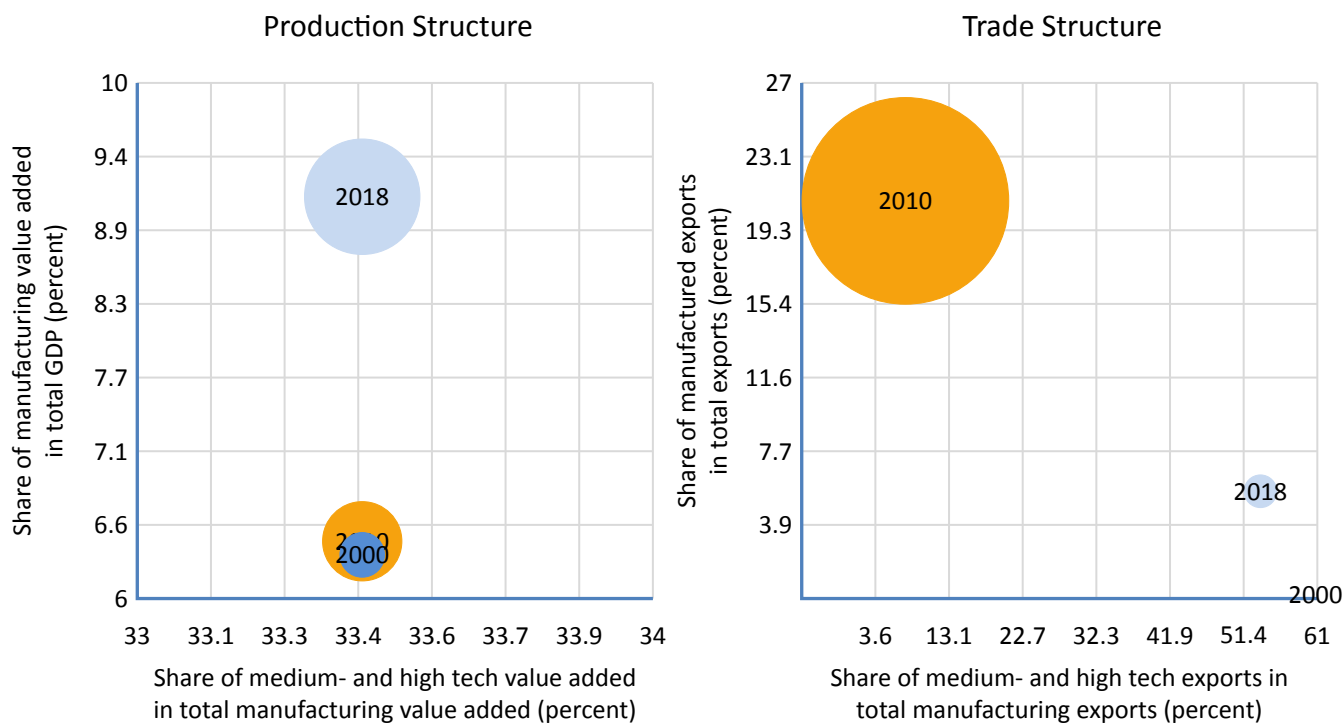
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	99	0.014	0.067	107 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	116	0.008	0.076	115	
Share of Manufacturing Value Added in GDP Index	103	0.248	0.343	104	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	49	0.415	0.302	50	
Industrialization Intensity Index	67	0.331	0.323	67	
Share of World Manufacturing Value Added Index	35	0.012	0.023	36	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	140	0.000	0.103	143	
Share of Manufacturing Exports in Total Exports Index	149	0.054	0.631	148	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	43	0.594	0.397	94	
Index Industrial Export Quality Index	113	0.324	0.514	143	
Share in World Manufacturing Export Index	88	0.001	0.039	97	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

North Macedonia

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 77
(index of 152 countries)

Score **0.027**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

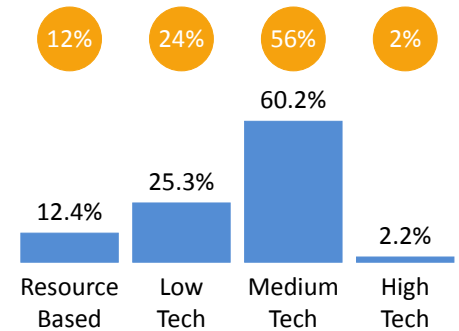
GDP: 10.7 billion | 5,114 per capita

Manufacturing value added: 1,229 million | 590 per capita

Manufacturing exports: 6,460 million | 3,101 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

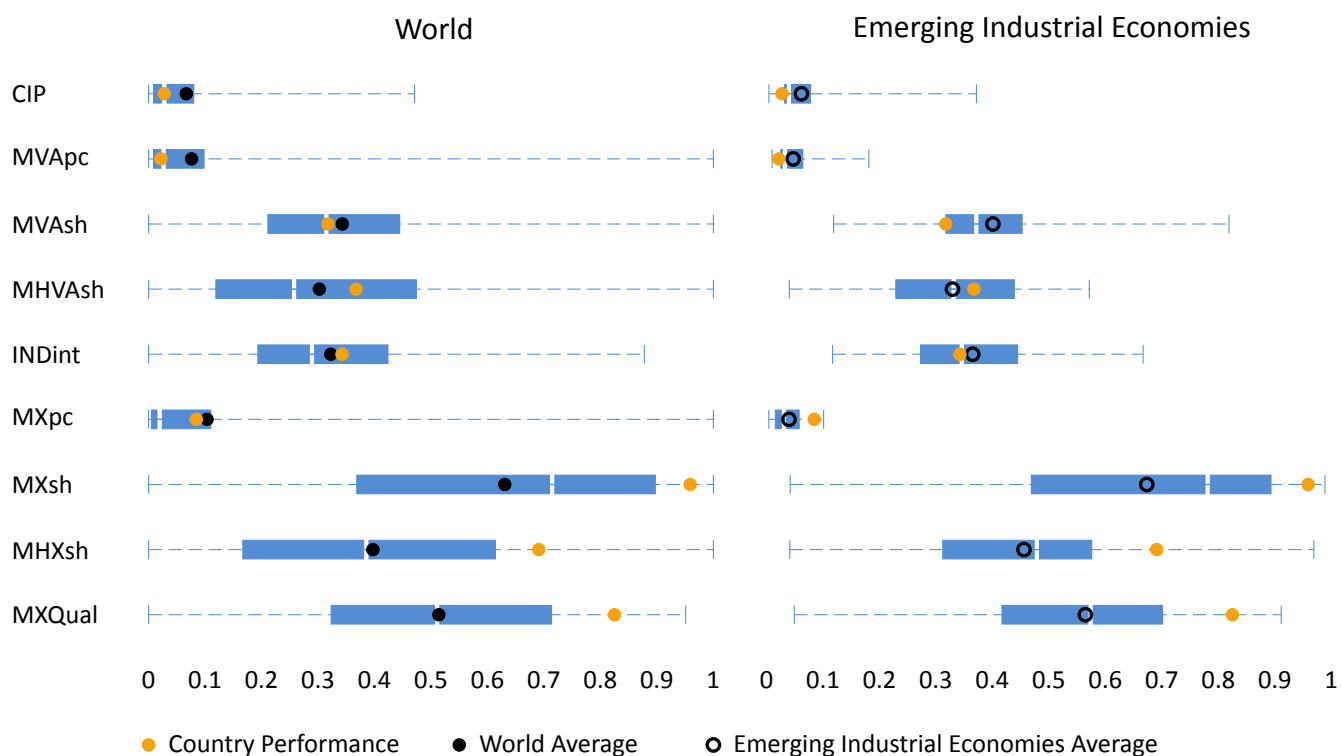


Performance indexes

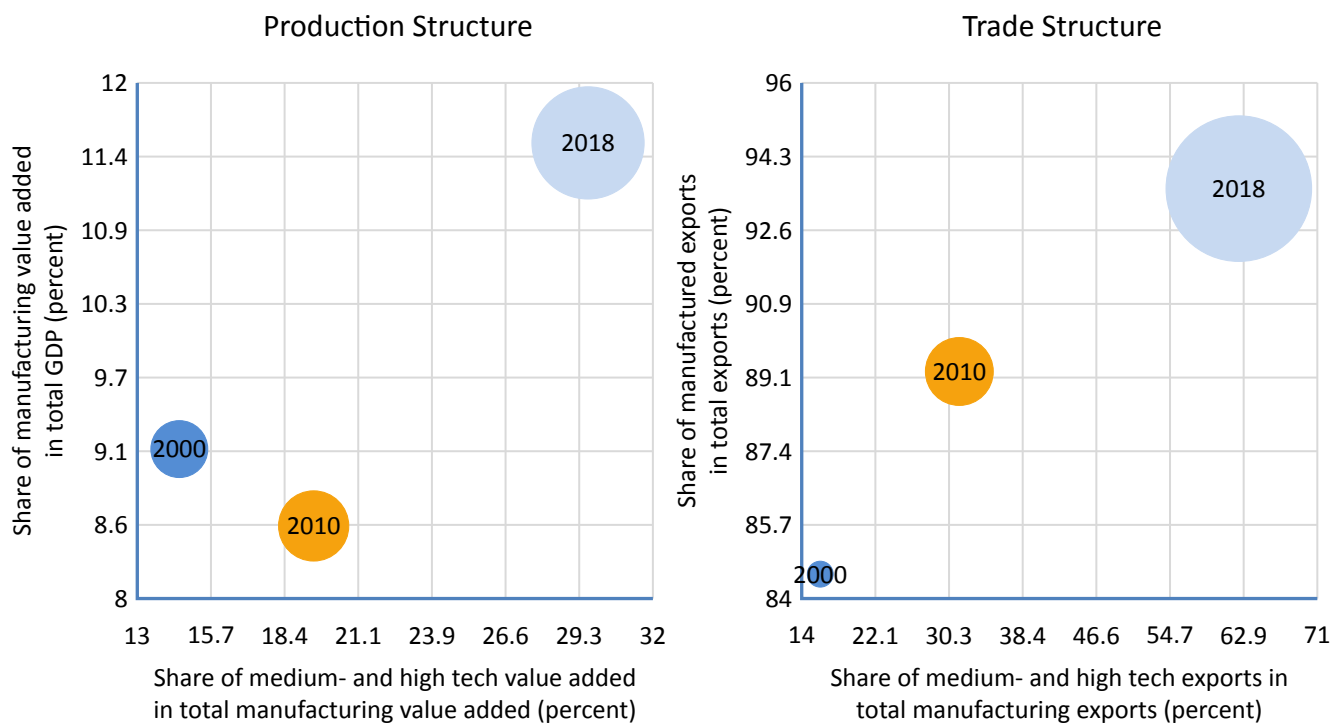
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	77	0.027	0.067	78 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	85	0.022	0.076	85	
Share of Manufacturing Value Added in GDP Index	75	0.317	0.343	78	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	53	0.367	0.302	56	
Industrialization Intensity Index	62	0.342	0.323	66	
Share of World Manufacturing Value Added Index	118	0.000	0.023	117	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	46	0.084	0.103	50	
Share of Manufacturing Exports in Total Exports Index	15	0.959	0.631	16	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	23	0.691	0.397	30	
Index Industrial Export Quality Index	13	0.825	0.514	17	
Share in World Manufacturing Export Index	79	0.003	0.039	84	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Norway

Europe
Industrialized Economies
High Income

RANK 36
(index of 152 countries)

Score **0.084**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

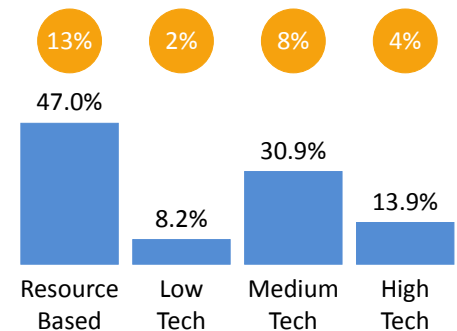
GDP: 404.2 billion | 75,713 per capita

Manufacturing value added: 25.3 billion | 4,742 per capita

Manufacturing exports: 33.3 billion | 6,246 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

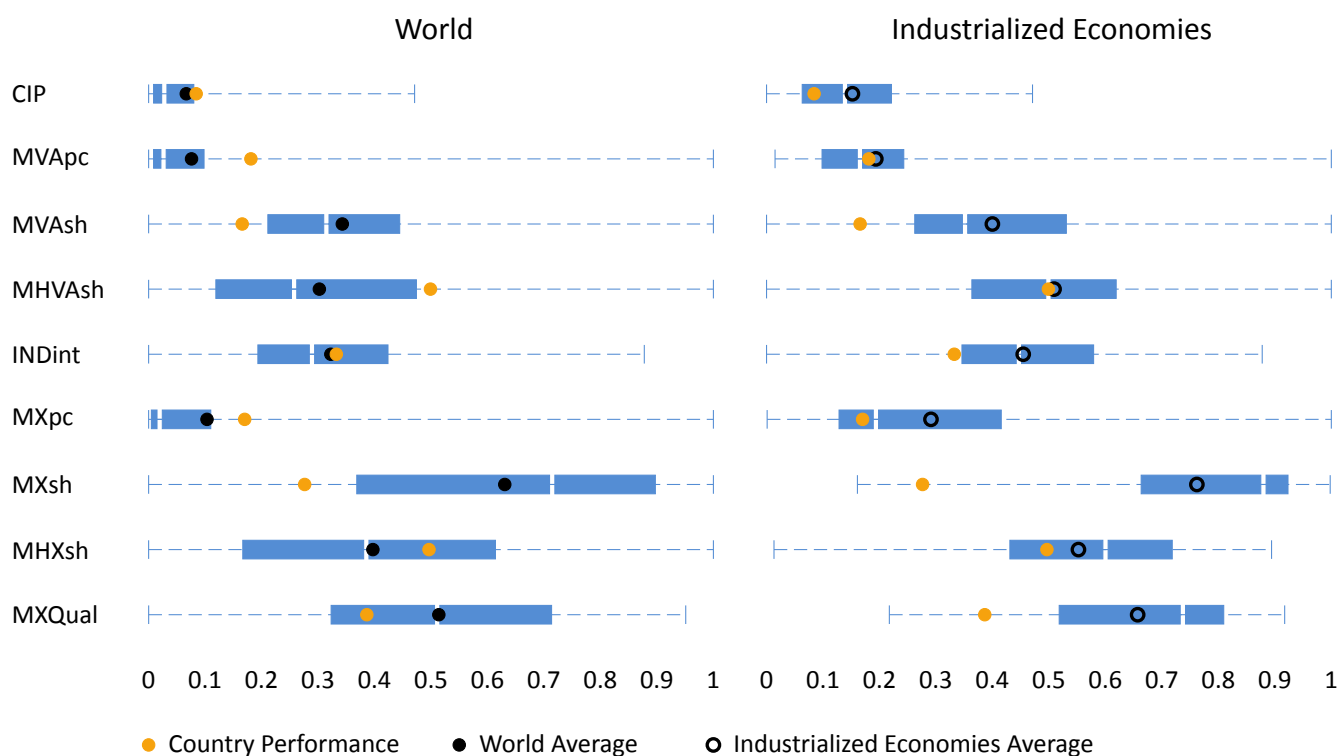


Performance indexes

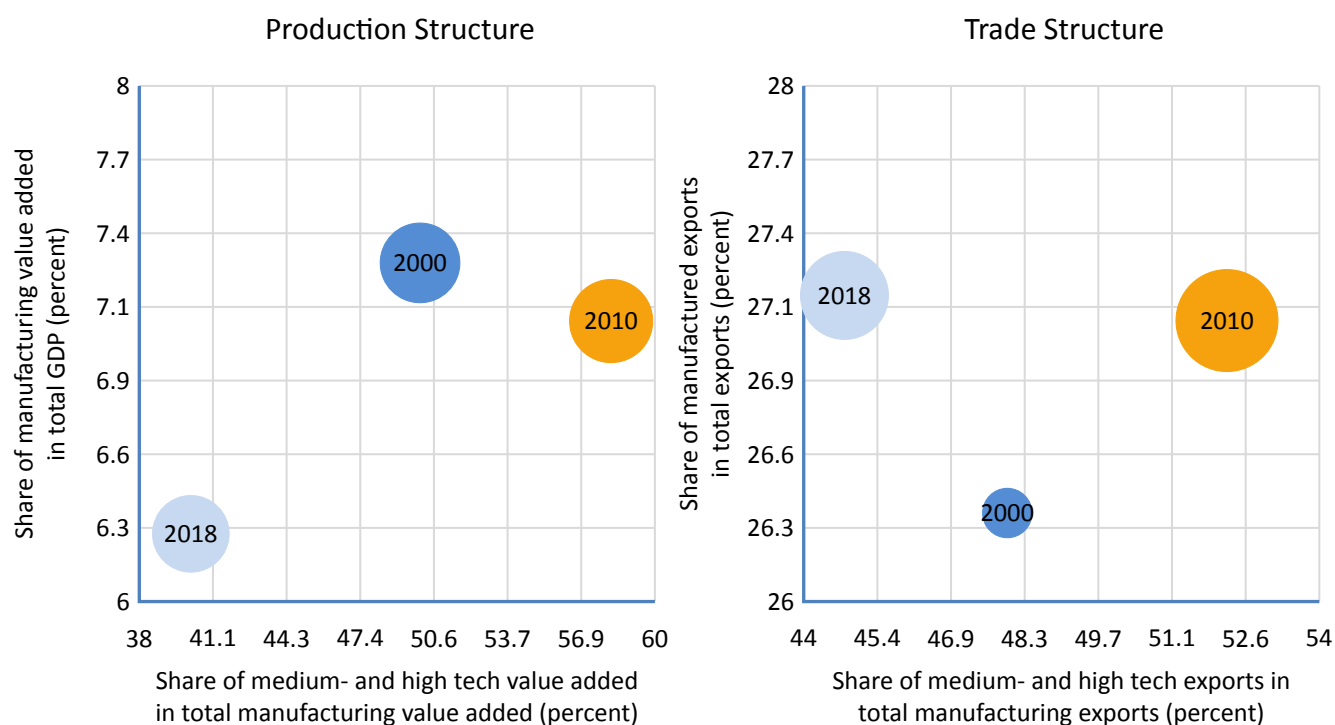
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	36	0.084	0.067	35 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	22	0.181	0.076	21	
Share of Manufacturing Value Added in GDP Index	125	0.166	0.343	124	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	32	0.499	0.302	19	
Industrialization Intensity Index	66	0.332	0.323	51	
Share of World Manufacturing Value Added Index	51	0.006	0.023	51	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	29	0.170	0.103	27	
Share of Manufacturing Exports in Total Exports Index	127	0.276	0.631	120	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	55	0.496	0.397	45	
Index Industrial Export Quality Index	96	0.386	0.514	92	
Share in World Manufacturing Export Index	47	0.014	0.039	46	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Oman

Asia and Pacific
Emerging Industrial Economies
High Income

RANK 63
(index of 152 countries)

Score **0.037**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

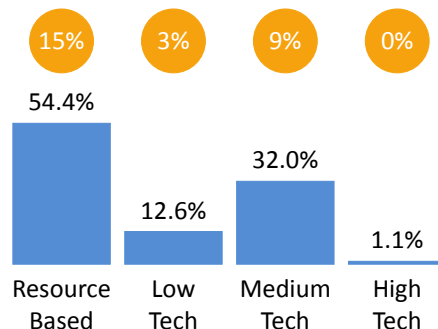
GDP: 72.9 billion | 15,104 per capita

Manufacturing value added: 7,628 million | 1,580 per capita

Manufacturing exports: 10.2 billion | 2,121 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

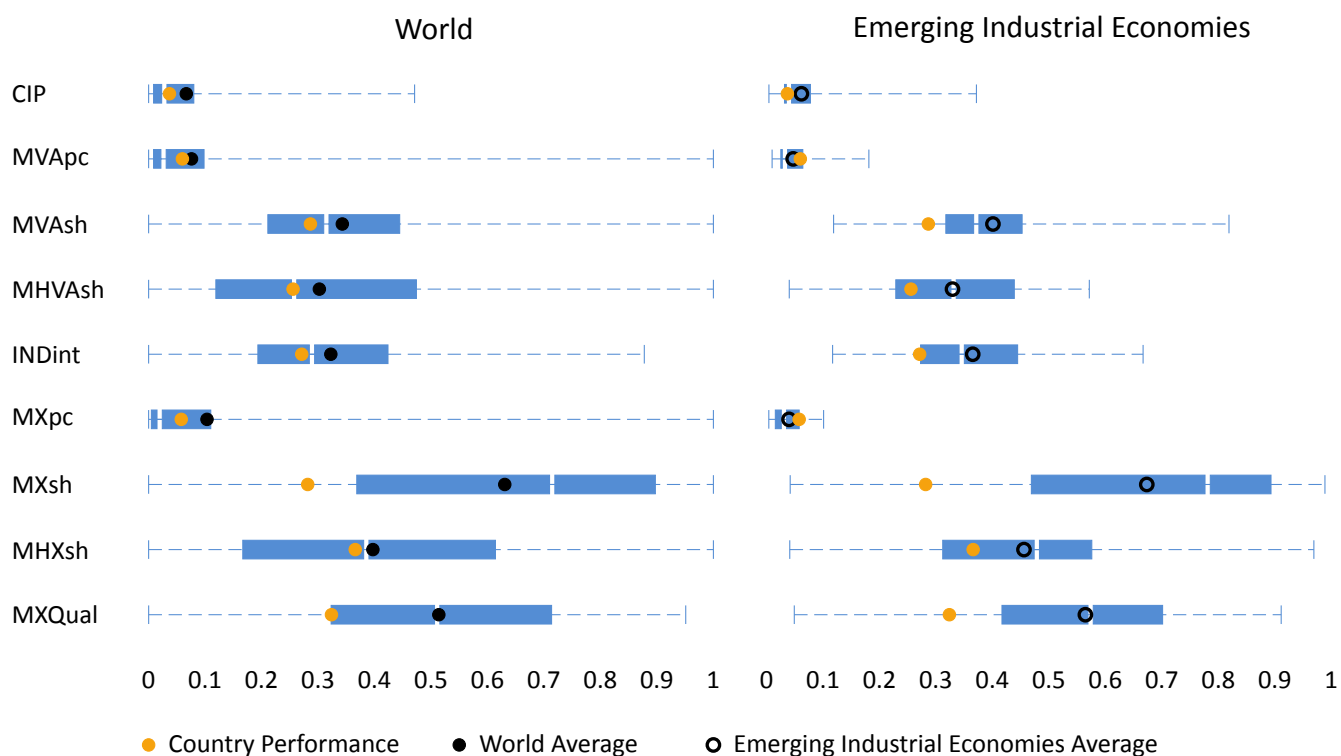


Performance indexes

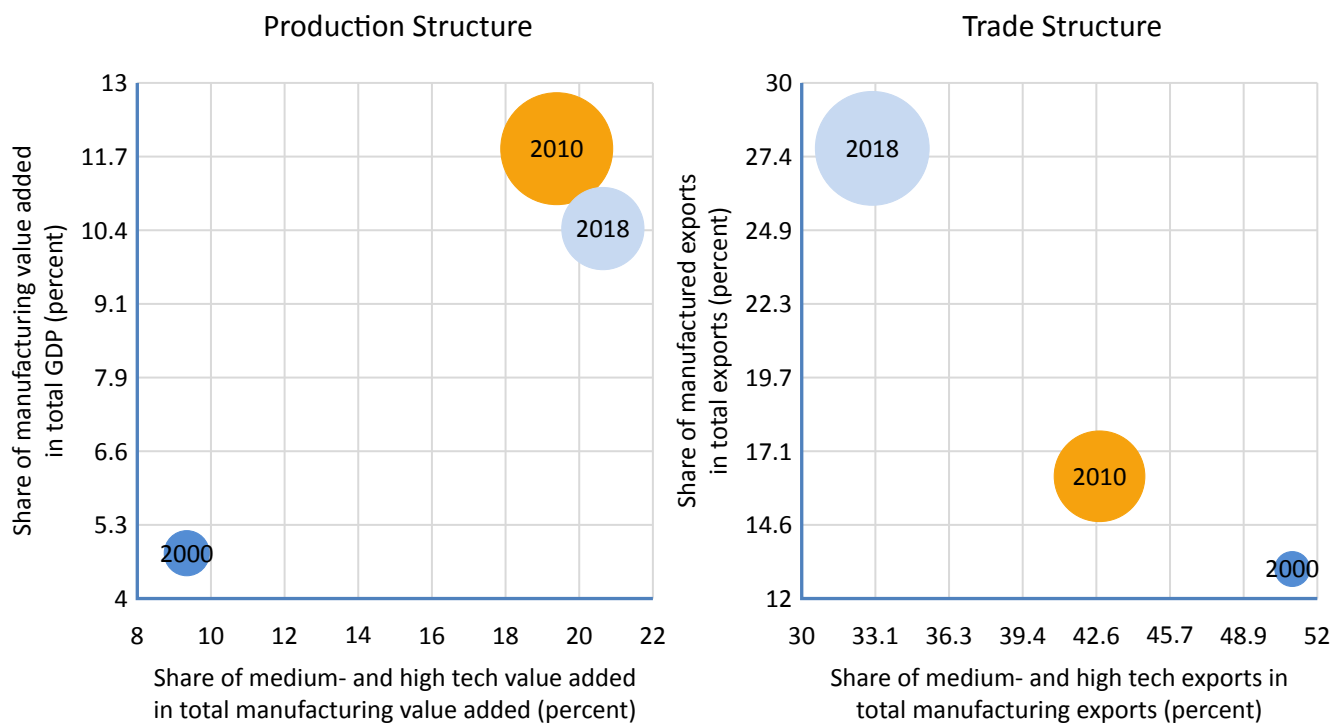
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	63	0.037	0.067	68 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	53	0.060	0.076	54	
Share of Manufacturing Value Added in GDP Index	91	0.286	0.343	95	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	77	0.256	0.302	79	
Industrialization Intensity Index	85	0.271	0.323	87	
Share of World Manufacturing Value Added Index	73	0.002	0.023	73	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	54	0.058	0.103	54	
Share of Manufacturing Exports in Total Exports Index	125	0.282	0.631	121	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	81	0.366	0.397	81	
Index Industrial Export Quality Index	114	0.324	0.514	115	
Share in World Manufacturing Export Index	73	0.004	0.039	74	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Pakistan

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 82
(index of 152 countries)

Score **0.024**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

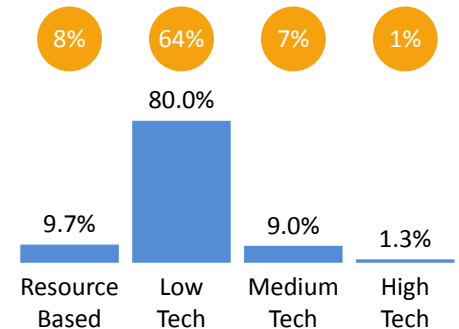
GDP: 314.1 billion | 1,480 per capita

Manufacturing value added: 39.8 billion | 187 per capita

Manufacturing exports: 18.6 billion | 87.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

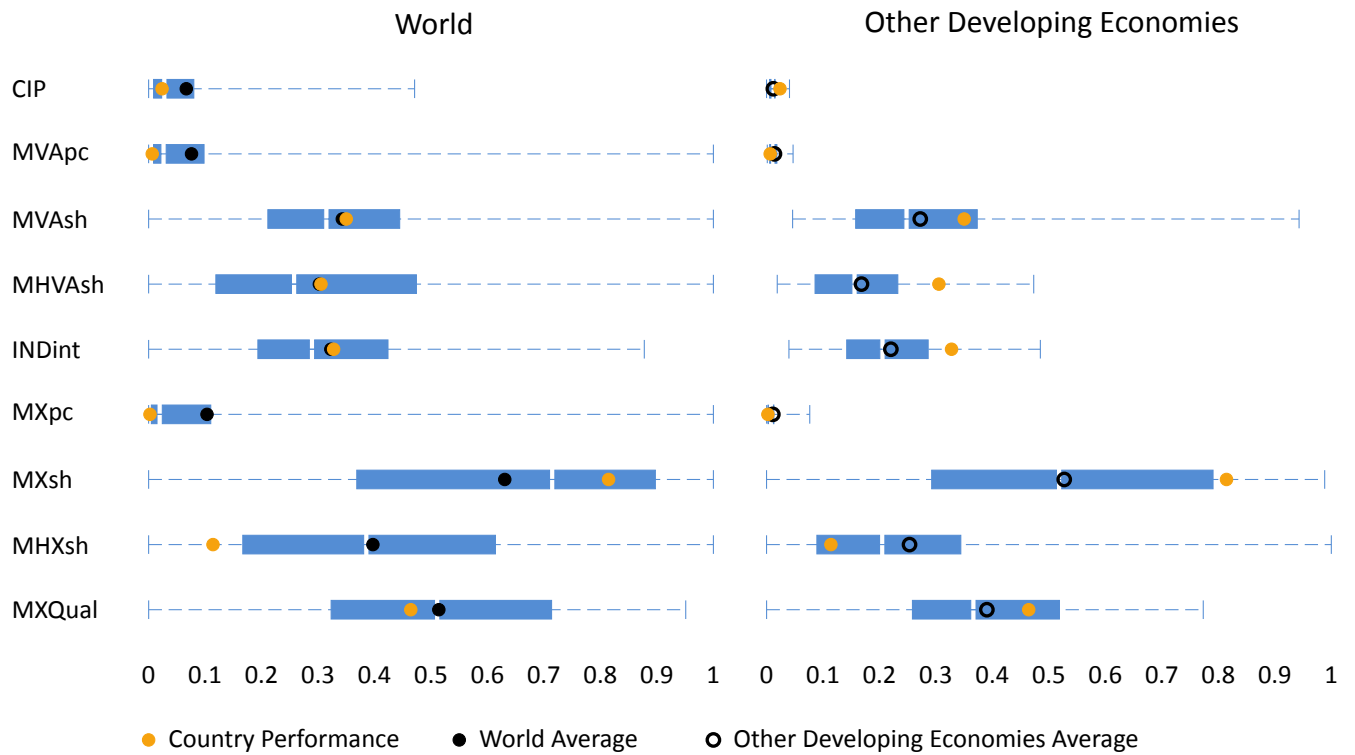


Performance indexes

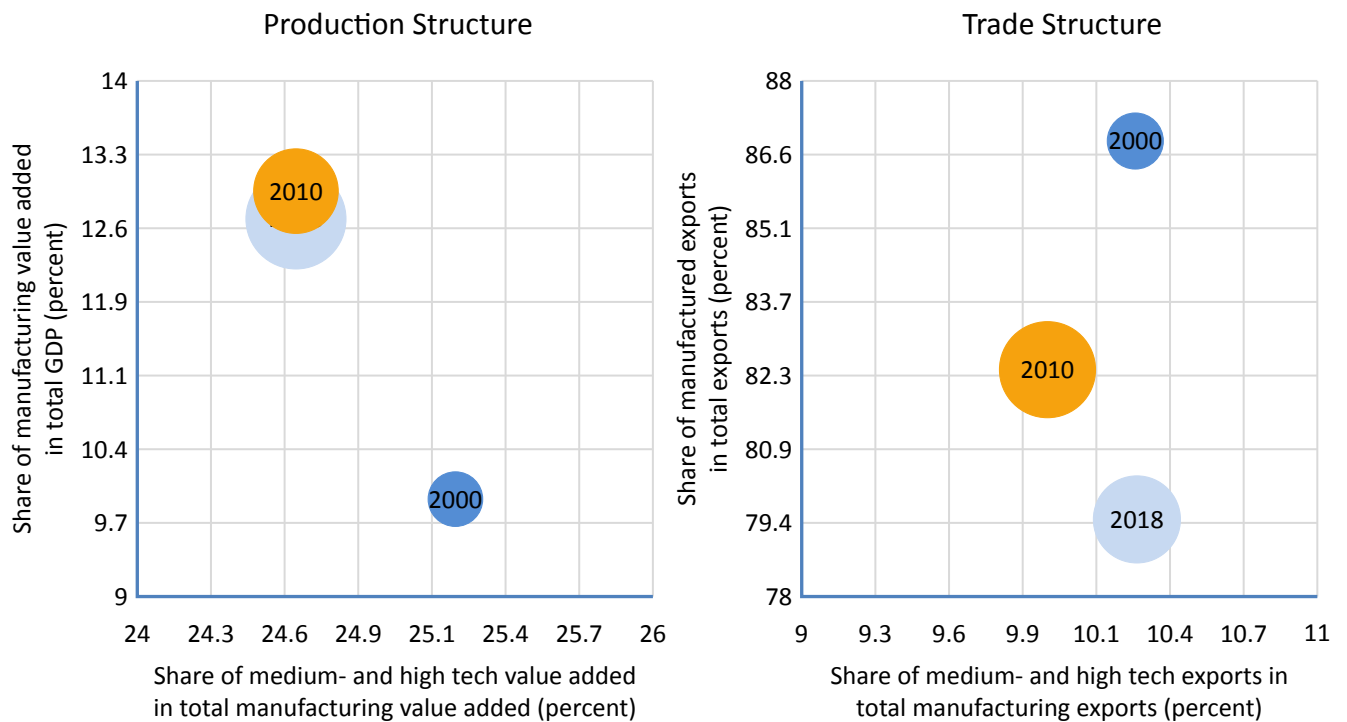
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	82	0.024	0.067	82 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	127	0.006	0.076	127	
Share of Manufacturing Value Added in GDP Index	64	0.350	0.343	66	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	67	0.305	0.302	69	
Industrialization Intensity Index	68	0.328	0.323	68	
Share of World Manufacturing Value Added Index	41	0.010	0.023	43	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	126	0.002	0.103	123	
Share of Manufacturing Exports in Total Exports Index	62	0.814	0.631	54	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	127	0.114	0.397	126	
Index Industrial Export Quality Index	86	0.464	0.514	80	
Share in World Manufacturing Export Index	58	0.008	0.039	57	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Panama

Latin America
Emerging Industrial Economies
High Income

RANK 72
(index of 152 countries)

Score **0.032**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

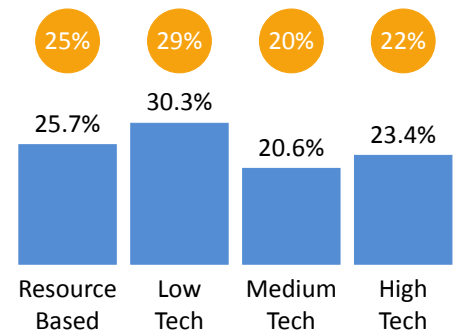
GDP: 62.3 billion | 14,913 per capita

Manufacturing value added: 3,730 million | 893 per capita

Manufacturing exports: 10.7 billion | 2,655 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

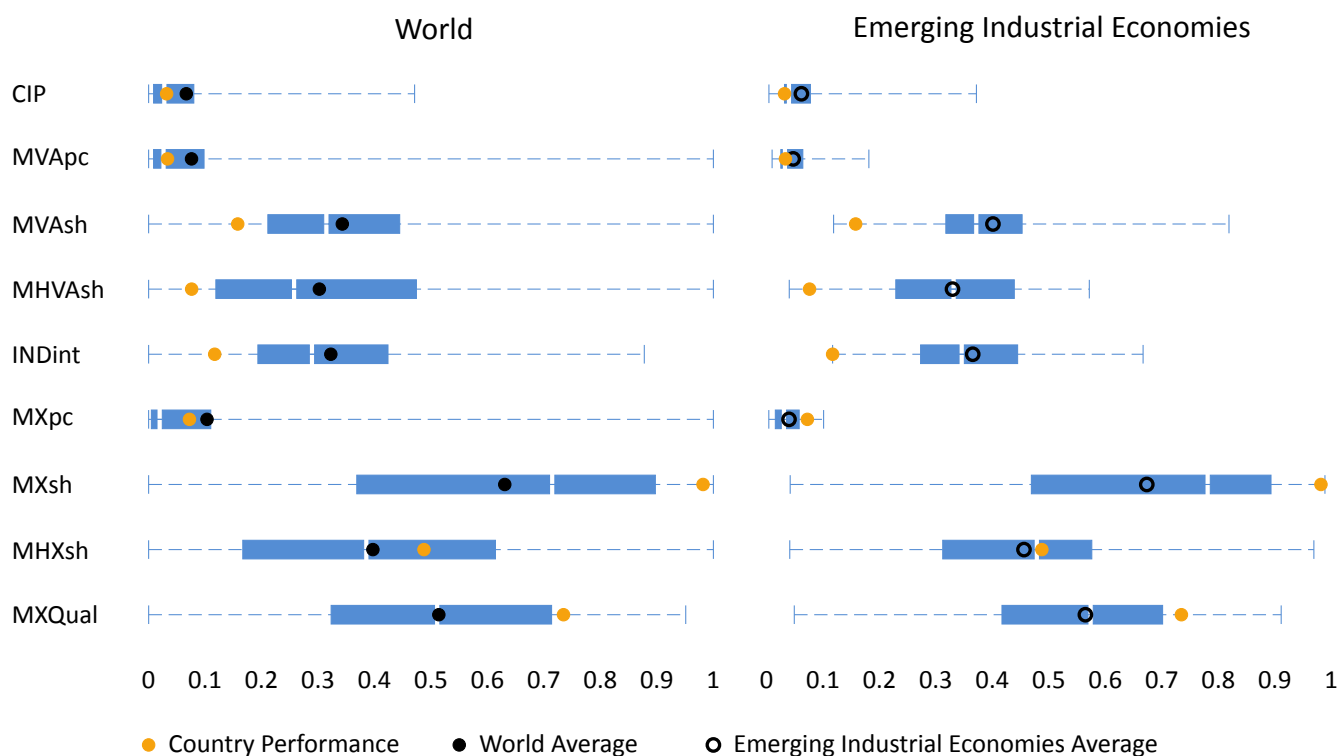


Performance indexes

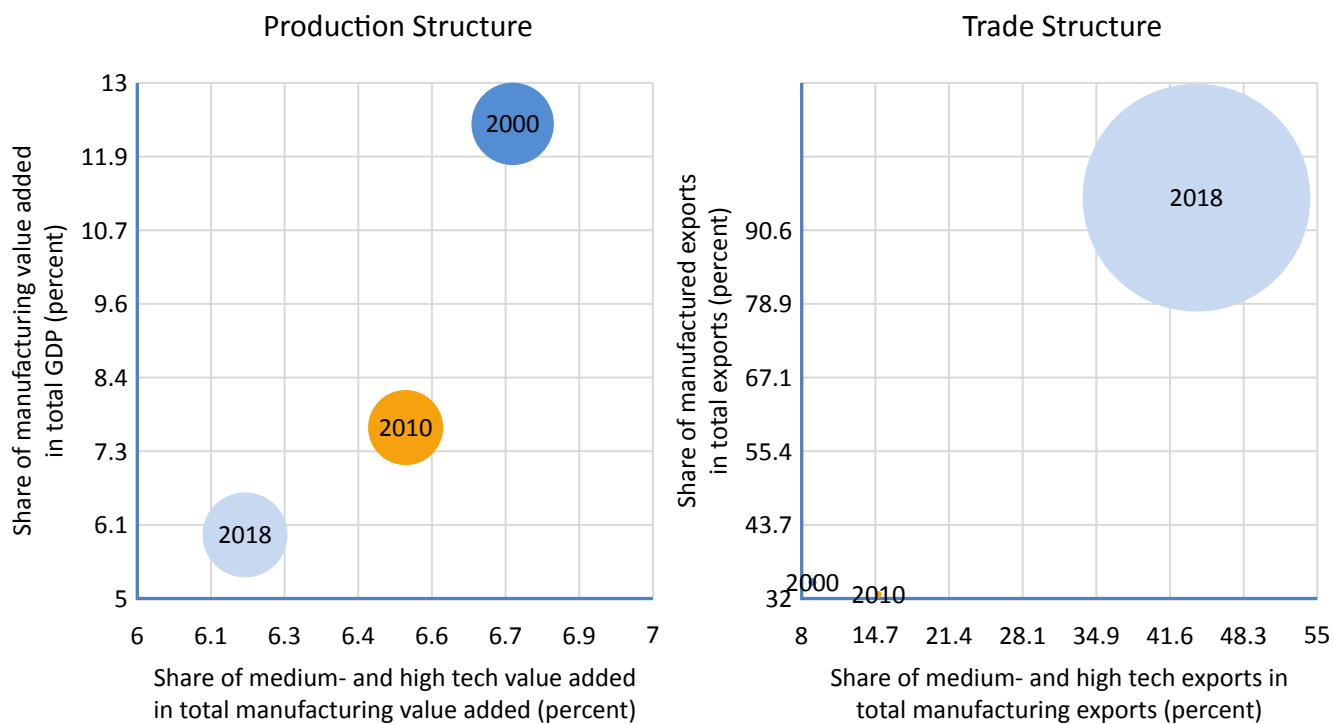
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	72	0.032	0.067	72 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	65	0.033	0.076	65	
Share of Manufacturing Value Added in GDP Index	130	0.158	0.343	127	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	129	0.076	0.302	128	
Industrialization Intensity Index	139	0.117	0.323	137	
Share of World Manufacturing Value Added Index	89	0.001	0.023	89	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	51	0.072	0.103	47	
Share of Manufacturing Exports in Total Exports Index	7	0.982	0.631	6	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	58	0.487	0.397	53	
Index Industrial Export Quality Index	36	0.735	0.514	32	
Share in World Manufacturing Export Index	68	0.005	0.039	66	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Papua New Guinea

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 126
(index of 152 countries)

Score **0.006**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

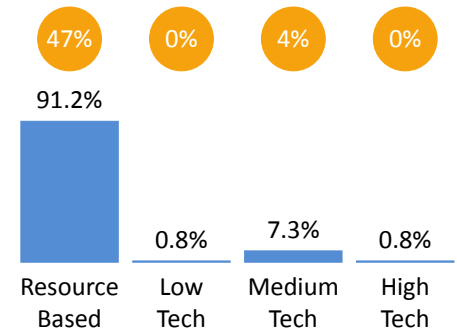
GDP: 22.2 billion | 2,583 per capita

Manufacturing value added: 514.2 million | 59.7 per capita

Manufacturing exports: 2,322 million | 304 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

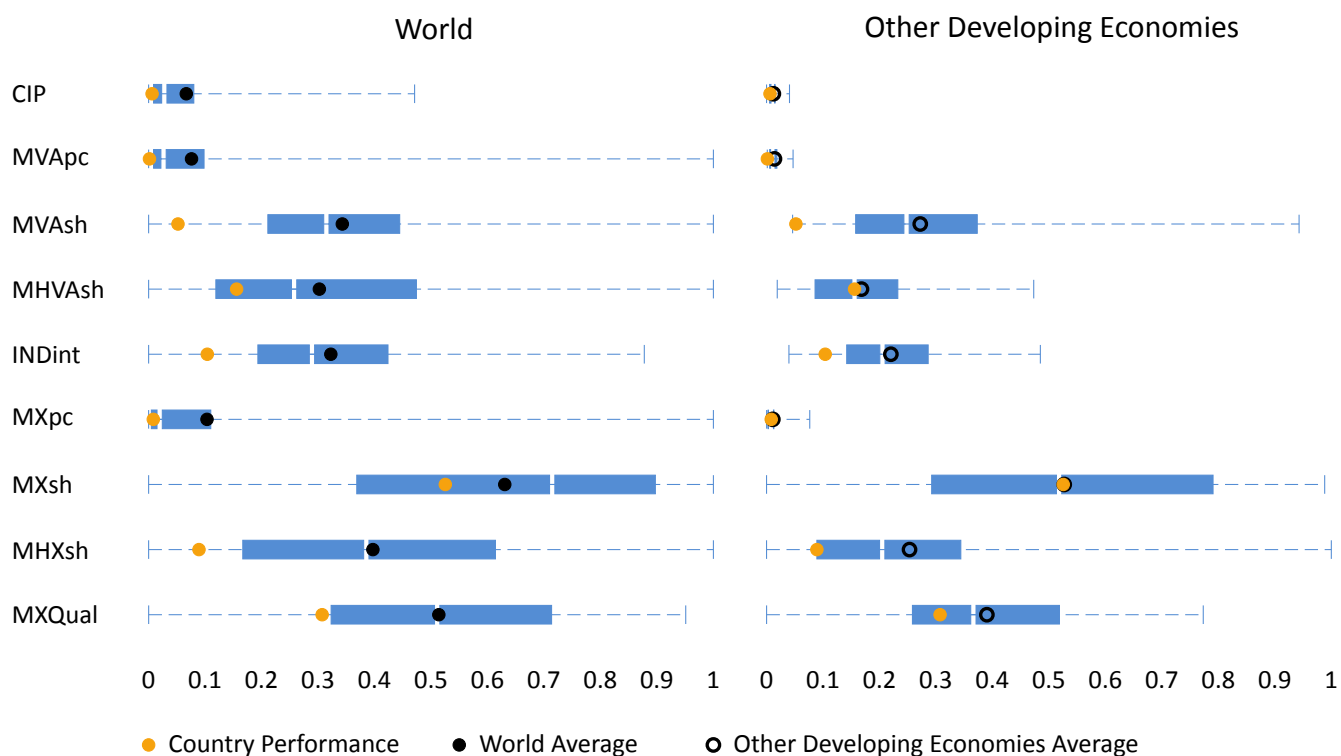


Performance indexes

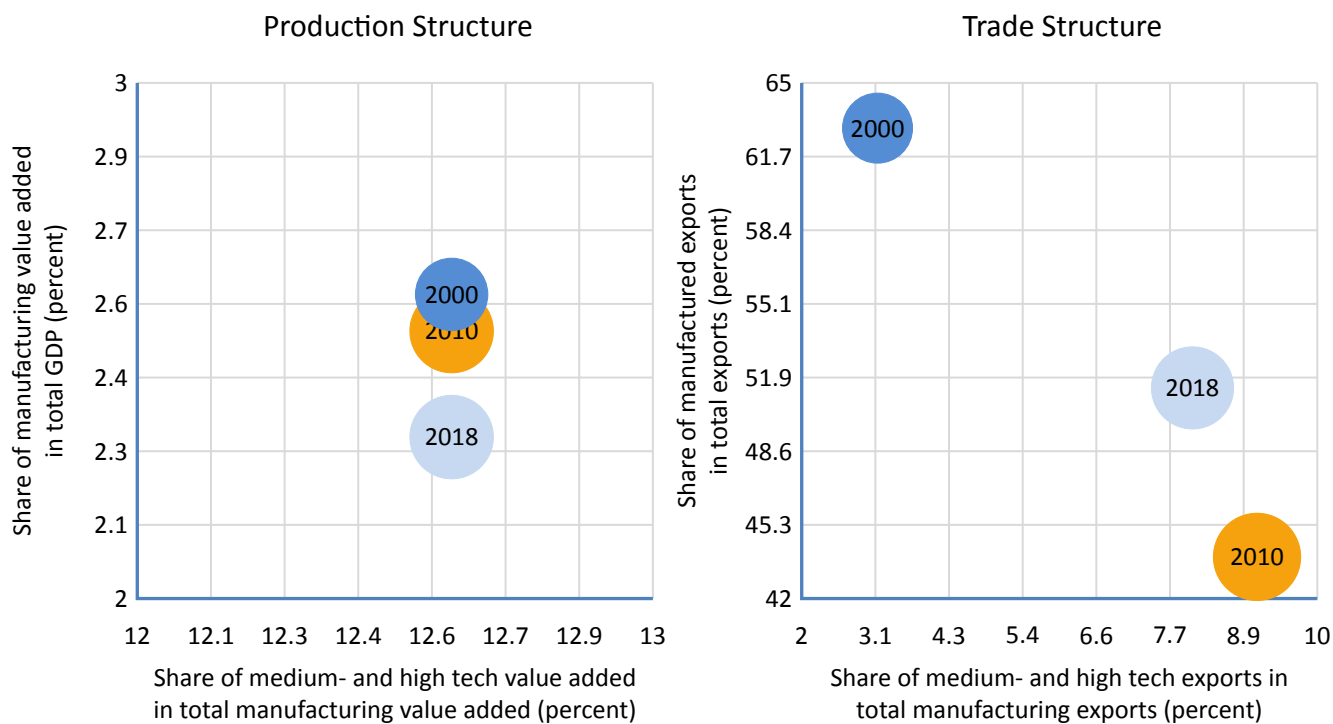
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	126	0.006	0.067	125 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	140	0.001	0.076	140	
Share of Manufacturing Value Added in GDP Index	147	0.052	0.343	147	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	103	0.156	0.302	103	
Industrialization Intensity Index	144	0.104	0.323	145	
Share of World Manufacturing Value Added Index	135	0.000	0.023	135	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	101	0.008	0.103	100	
Share of Manufacturing Exports in Total Exports Index	96	0.525	0.631	93	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	133	0.089	0.397	132	
Index Industrial Export Quality Index	122	0.307	0.514	122	
Share in World Manufacturing Export Index	99	0.001	0.039	94	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Paraguay

Latin America
Other Developing Economies
Upper Middle Income

RANK 100
(index of 152 countries)

Score **0.014**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

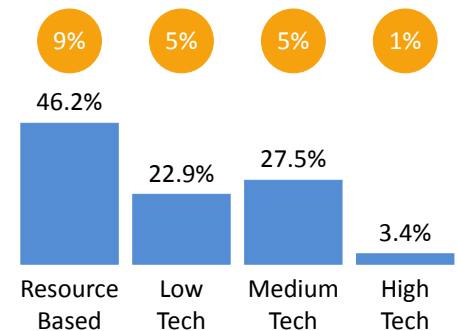
GDP: 30.7 billion | 4,413 per capita

Manufacturing value added: 3,460 million | 497 per capita

Manufacturing exports: 1,780 million | 256 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

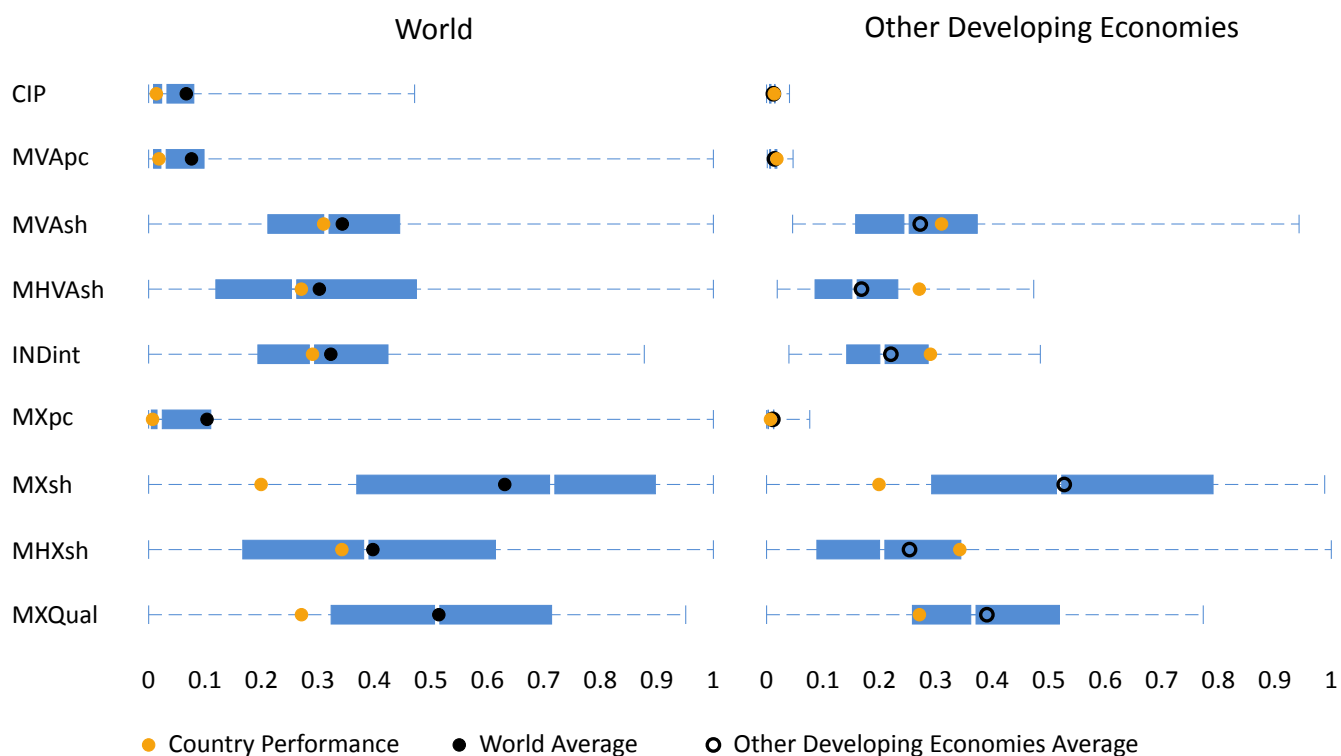


Performance indexes

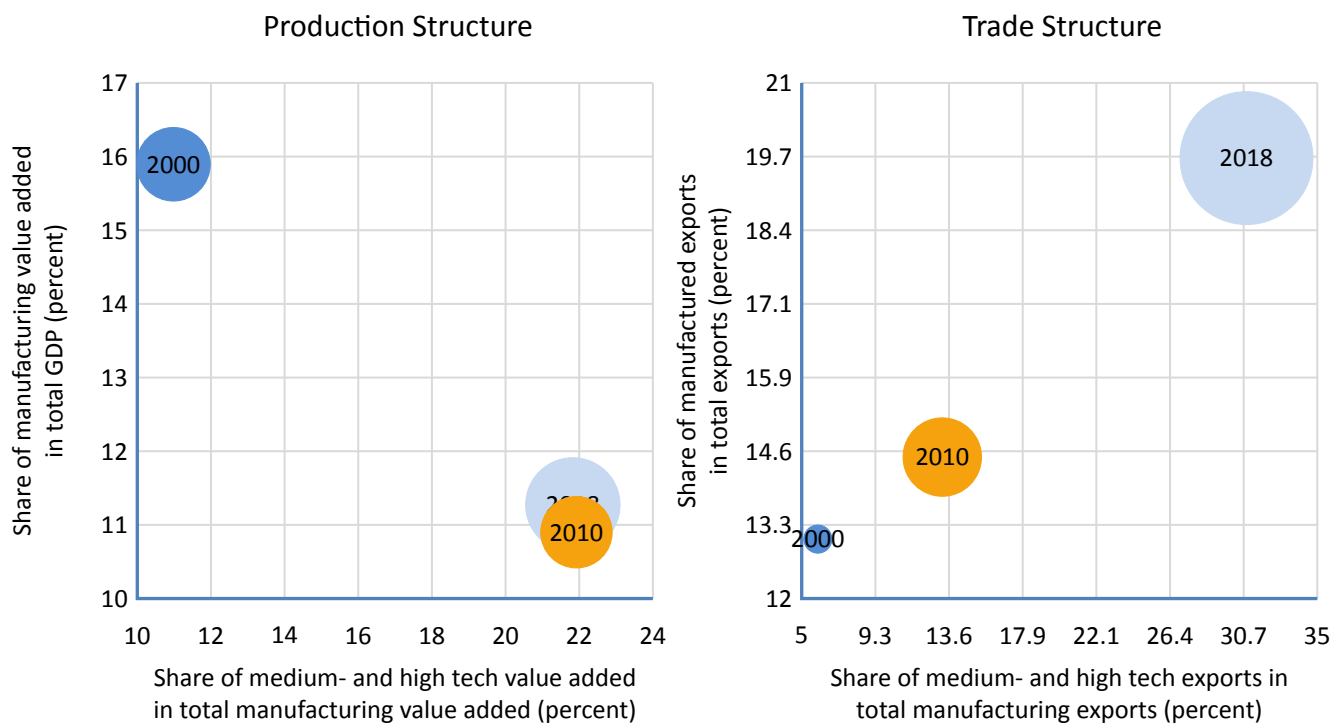
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	100	0.014	0.067	98 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	91	0.018	0.076	91	
Share of Manufacturing Value Added in GDP Index	79	0.310	0.343	77	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	73	0.270	0.302	74	
Industrialization Intensity Index	76	0.290	0.323	77	
Share of World Manufacturing Value Added Index	92	0.001	0.023	92	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	109	0.007	0.103	105	
Share of Manufacturing Exports in Total Exports Index	135	0.199	0.631	133	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	84	0.342	0.397	90	
Index Industrial Export Quality Index	128	0.271	0.514	129	
Share in World Manufacturing Export Index	105	0.001	0.039	104	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Peru

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 60
(index of 152 countries)

Score **0.041**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

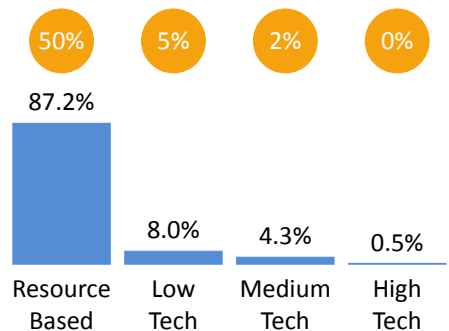
GDP: 210.5 billion | 6,580 per capita

Manufacturing value added: 26.7 billion | 835 per capita

Manufacturing exports: 27.6 billion | 863 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

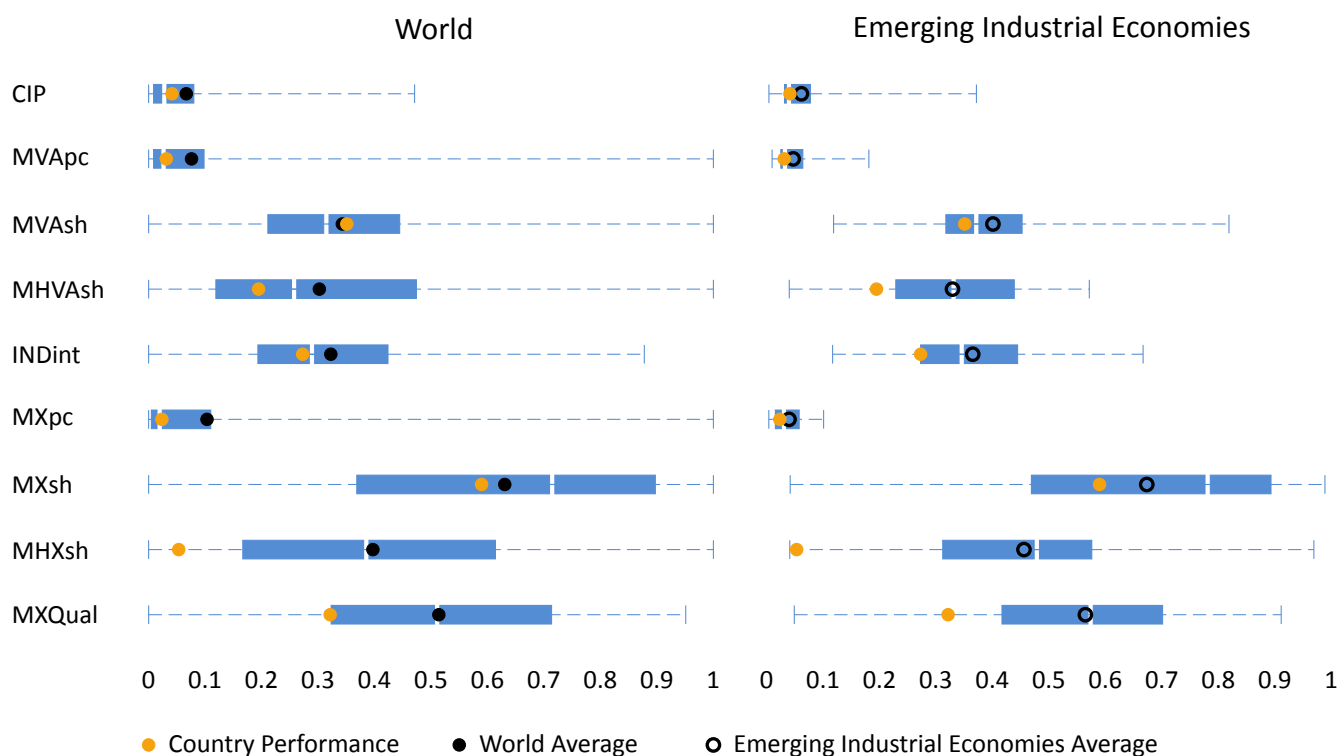


Performance indexes

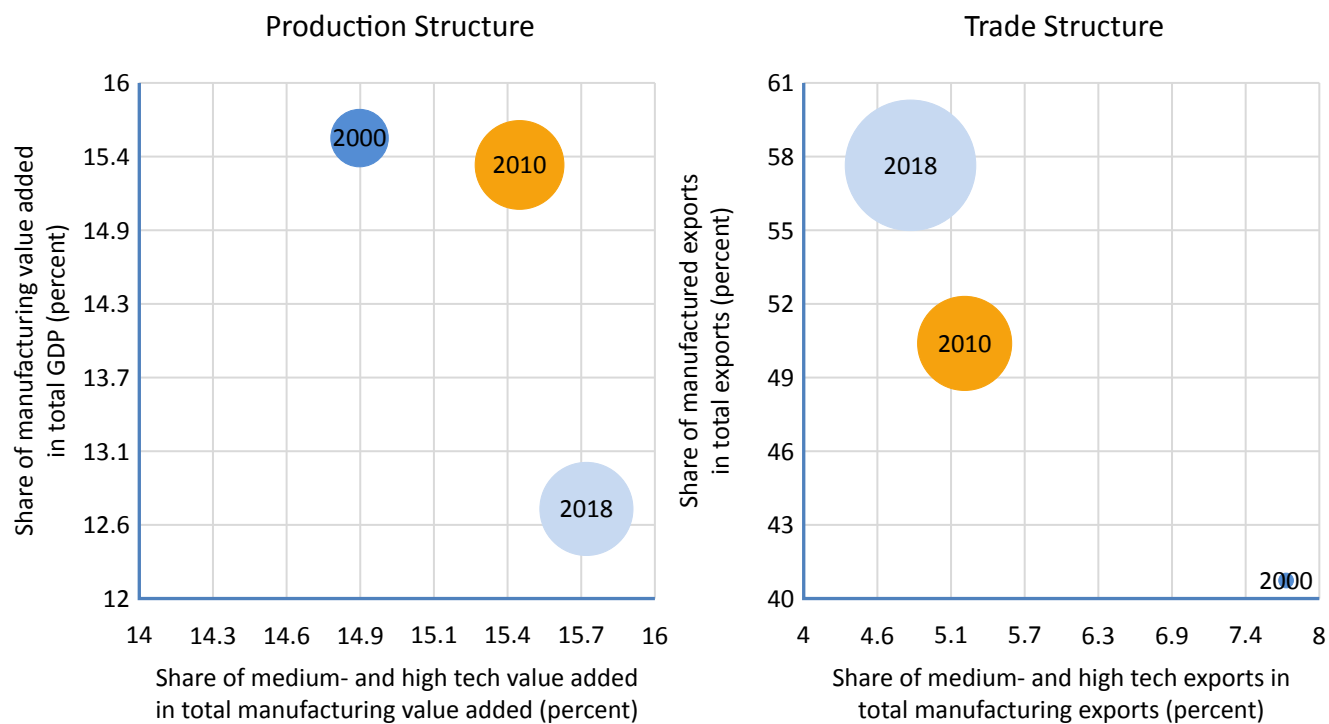
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	60	0.041	0.067	60 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	70	0.031	0.076	70	
Share of Manufacturing Value Added in GDP Index	61	0.351	0.343	60	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	94	0.195	0.302	99	
Industrialization Intensity Index	84	0.273	0.323	85	
Share of World Manufacturing Value Added Index	49	0.007	0.023	49	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	72	0.023	0.103	71	
Share of Manufacturing Exports in Total Exports Index	89	0.590	0.631	89	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	135	0.053	0.397	136	
Index Industrial Export Quality Index	115	0.321	0.514	118	
Share in World Manufacturing Export Index	51	0.011	0.039	50	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Philippines

Asia and Pacific
Emerging Industrial Economies
Lower Middle Income

RANK 43
(index of 152 countries)

Score **0.067**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

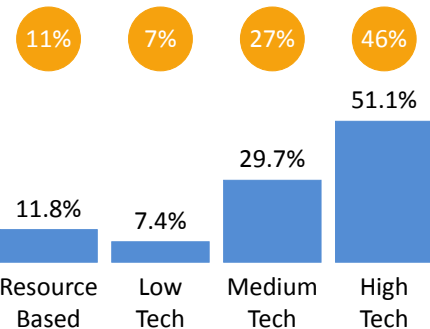
GDP: 354.7 billion | 3,325 per capita

Manufacturing value added: 72.6 billion | 680 per capita

Manufacturing exports: 61.0 billion | 572 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

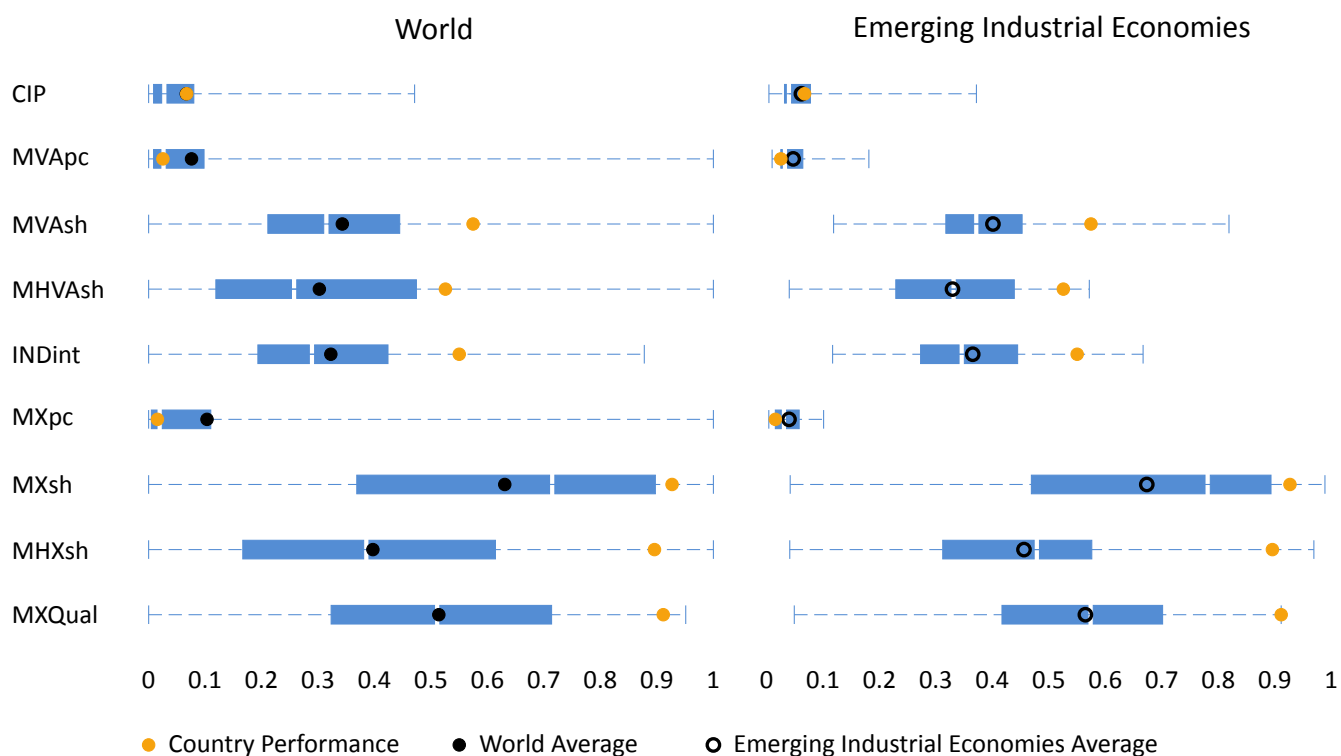


Performance indexes

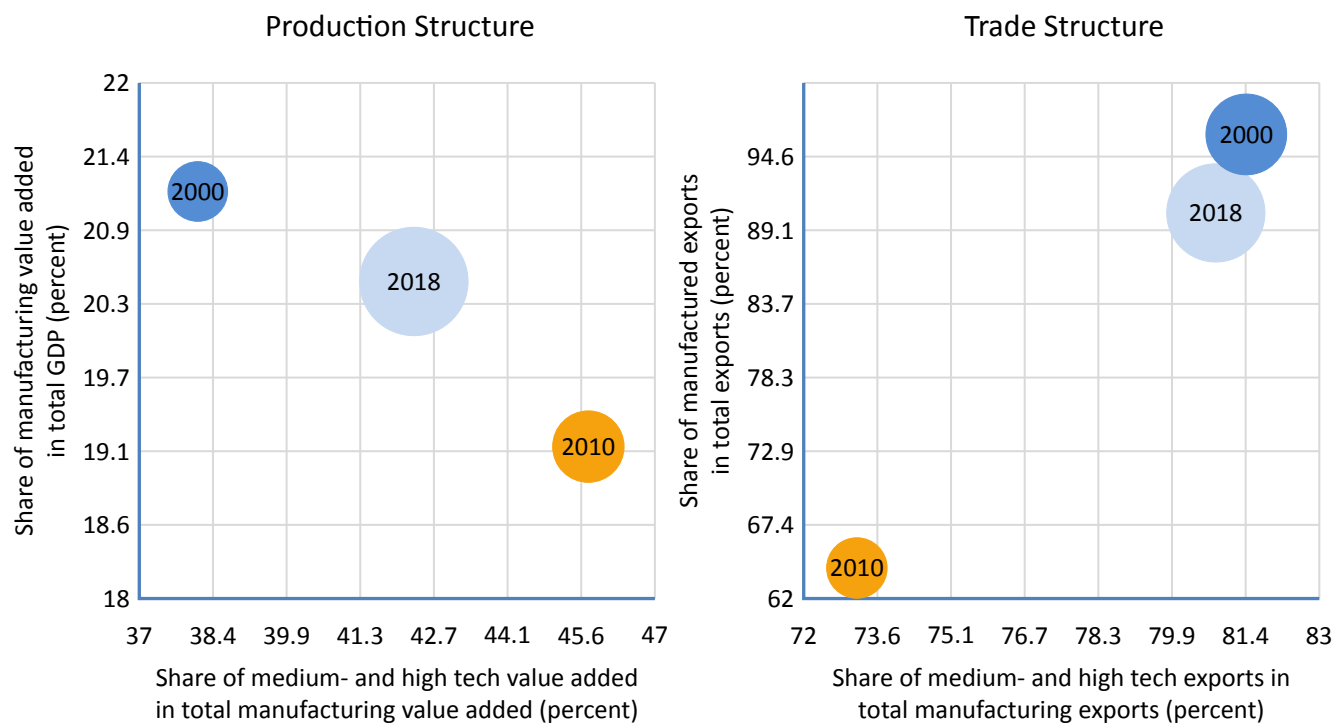
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	43	0.067	0.067	43 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	79	0.025	0.076	81	
Share of Manufacturing Value Added in GDP Index	17	0.574	0.343	17	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	27	0.526	0.302	28	
Industrialization Intensity Index	17	0.550	0.323	17	
Share of World Manufacturing Value Added Index	28	0.019	0.023	29	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	84	0.016	0.103	84	
Share of Manufacturing Exports in Total Exports Index	22	0.927	0.631	23	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	5	0.896	0.397	5	
Index Industrial Export Quality Index	3	0.911	0.514	5	
Share in World Manufacturing Export Index	38	0.025	0.039	35	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Poland

Europe
Industrialized Economies
High Income

RANK 22
(index of 152 countries)

Score **0.159**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

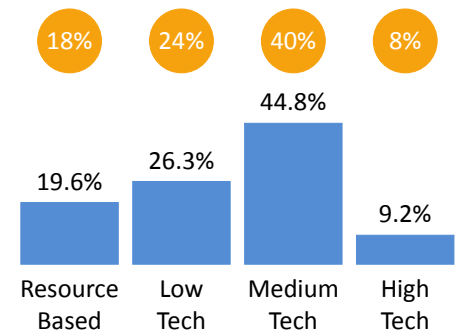
GDP: 542.4 billion | 14,304 per capita

Manufacturing value added: 102.5 billion | 2,704 per capita

Manufacturing exports: 234.0 billion | 6,170 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

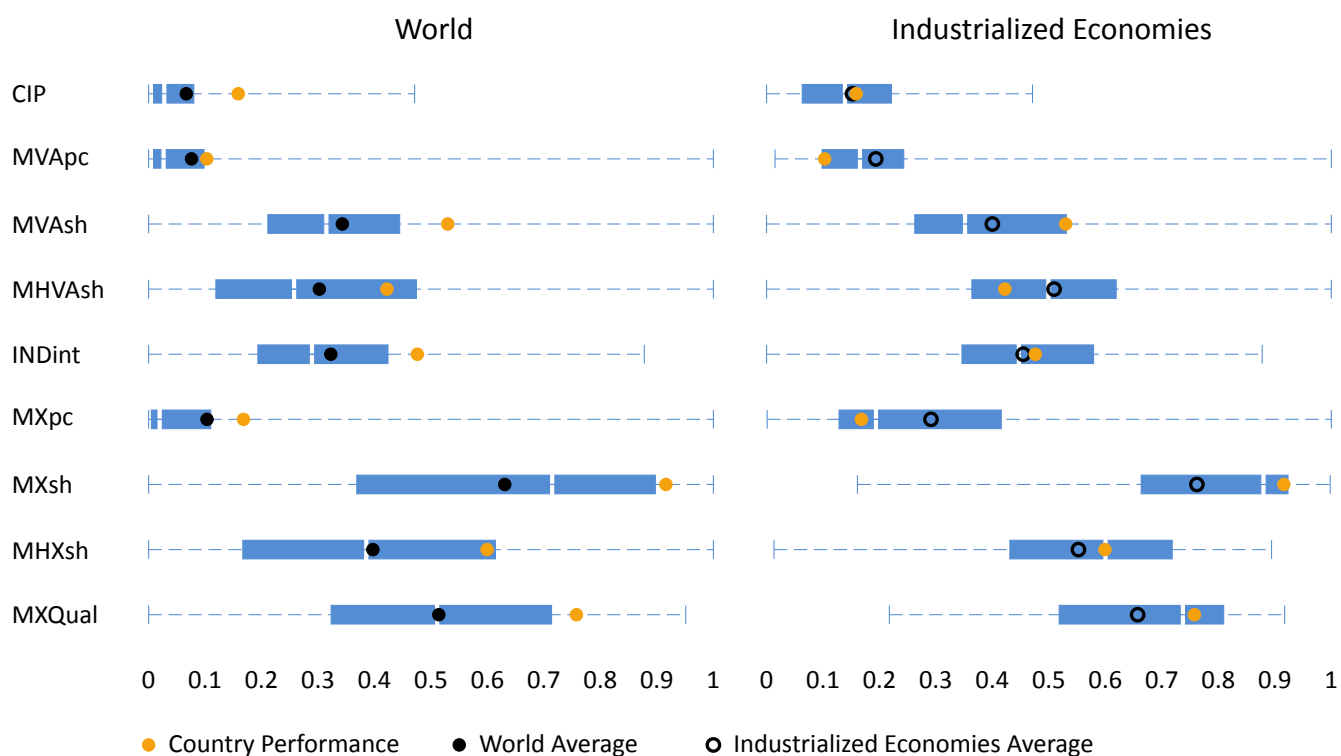


Performance indexes

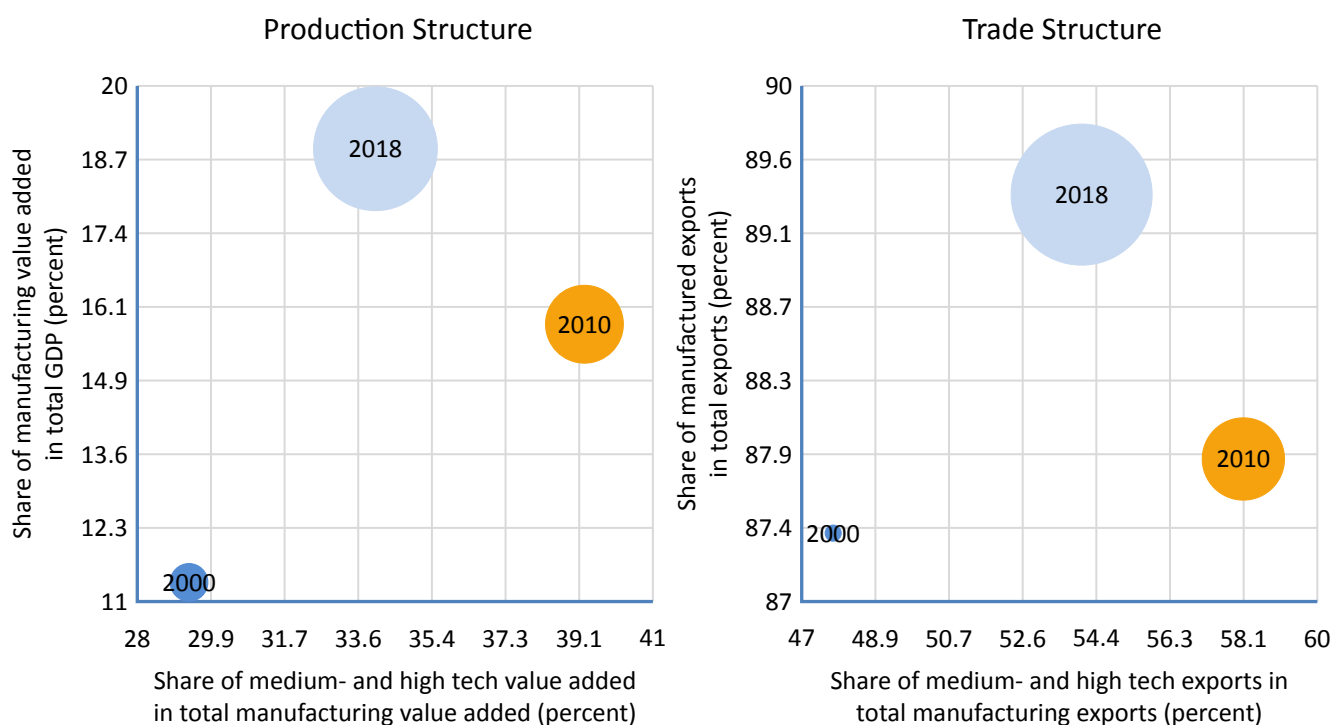
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	22	0.159	0.067	23 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	36	0.103	0.076	38	
Share of Manufacturing Value Added in GDP Index	23	0.530	0.343	26	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	48	0.422	0.302	45	
Industrialization Intensity Index	29	0.476	0.323	28	
Share of World Manufacturing Value Added Index	21	0.026	0.023	21	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	31	0.168	0.103	32	
Share of Manufacturing Exports in Total Exports Index	29	0.916	0.631	31	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	42	0.599	0.397	38	
Index Industrial Export Quality Index	27	0.758	0.514	26	
Share in World Manufacturing Export Index	16	0.097	0.039	18	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Portugal

Europe
Industrialized Economies
High Income

RANK 33
(index of 152 countries)

Score **0.097**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

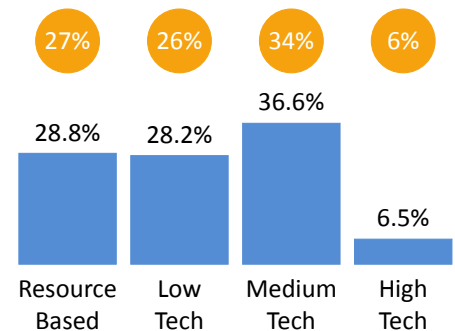
GDP: 200.6 billion | 19,562 per capita

Manufacturing value added: 26.4 billion | 2,574 per capita












Manufacturing exports: 68.6 billion | 6,688 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

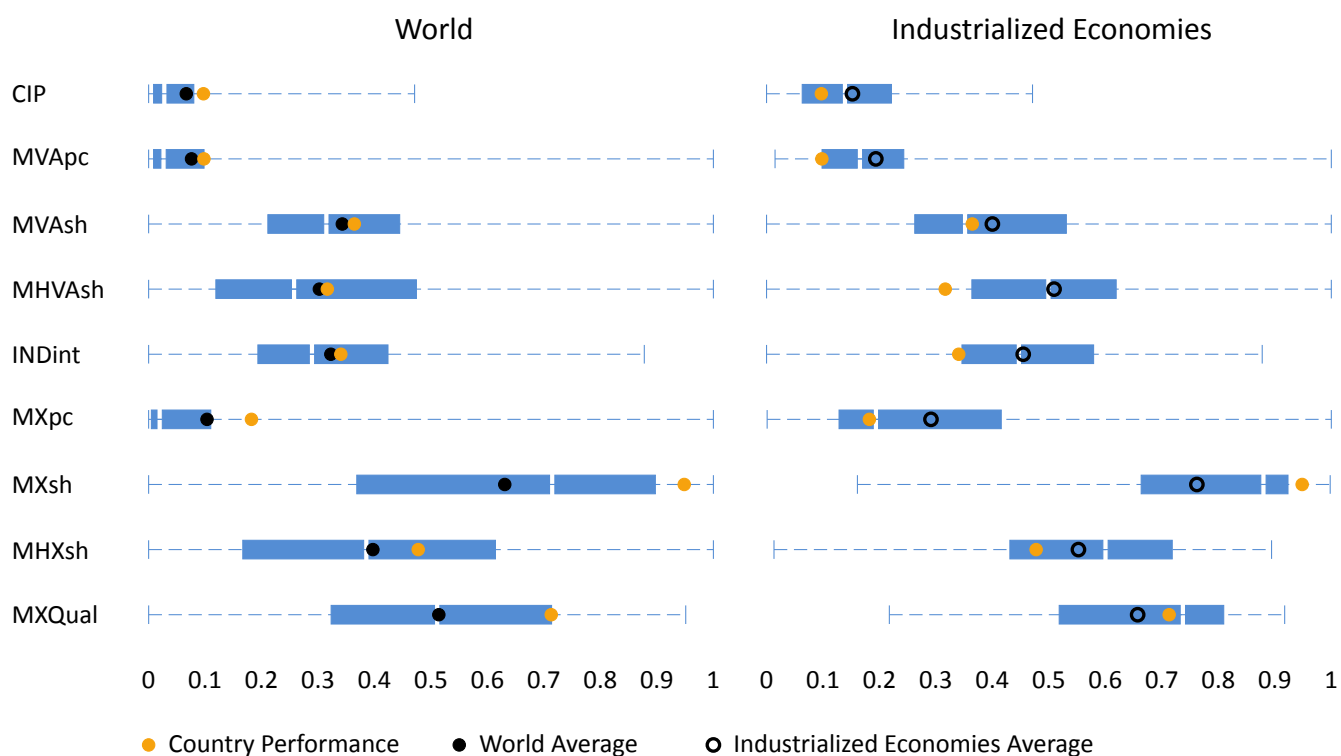


Performance indexes

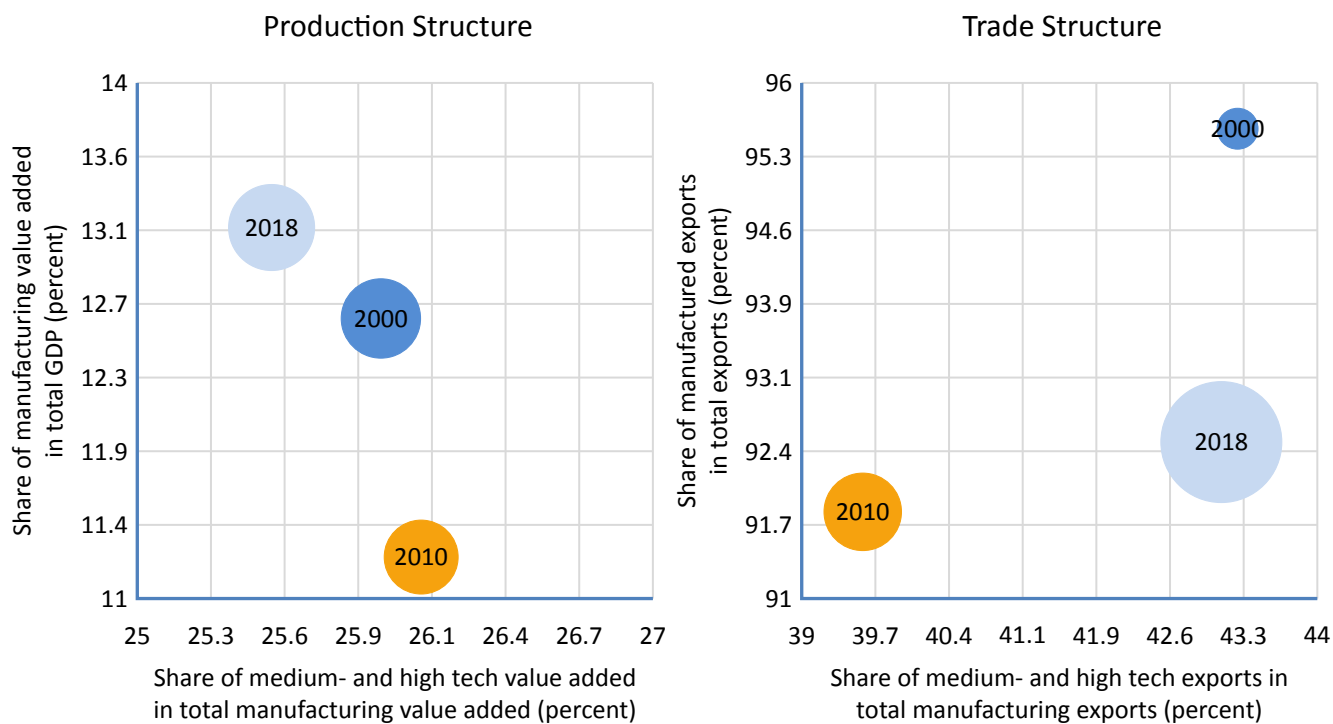
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	33	0.097	0.067	34 ↑	1990  2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	39	0.098	0.076	37	    
Share of Manufacturing Value Added in GDP Index	59	0.364	0.343	58	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	65	0.316	0.302	65	
Industrialization Intensity Index	64	0.340	0.323	62	
Share of World Manufacturing Value Added Index	50	0.007	0.023	50	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	27	0.182	0.103	29	    
Share of Manufacturing Exports in Total Exports Index	17	0.948	0.631	15	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	61	0.477	0.397	62	
Index Industrial Export Quality Index	40	0.713	0.514	42	
Share in World Manufacturing Export Index	35	0.029	0.039	38	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Qatar

Asia and Pacific
Industrialized Economies
High Income

RANK 45
(index of 152 countries)

Score **0.063**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

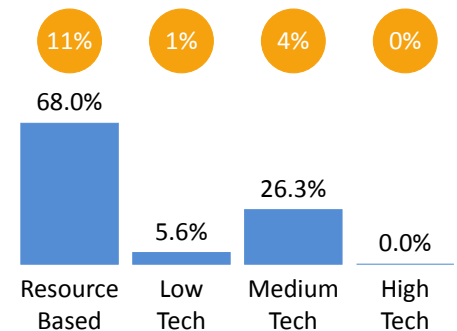
GDP: 173.5 billion | 62,387 per capita

Manufacturing value added: 16.5 billion | 5,946 per capita

Manufacturing exports: 13.0 billion | 4,684 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

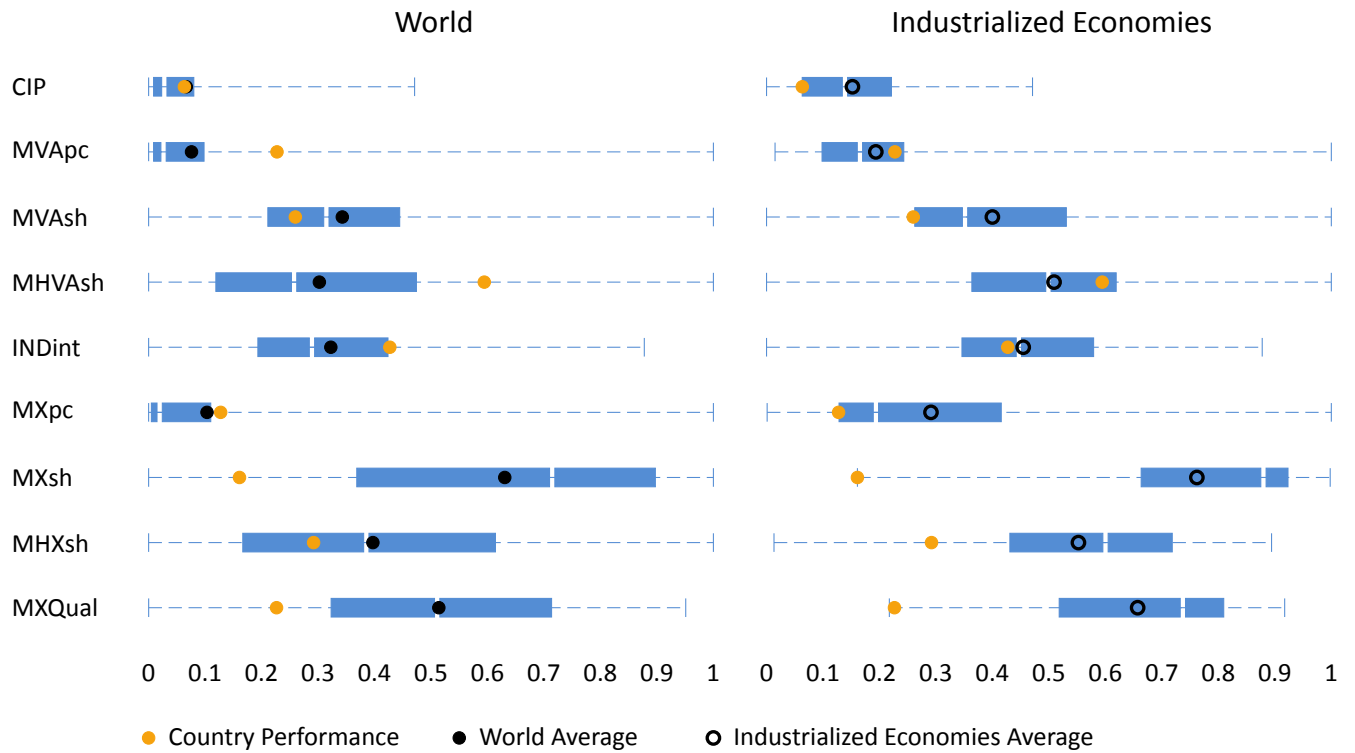


Performance indexes

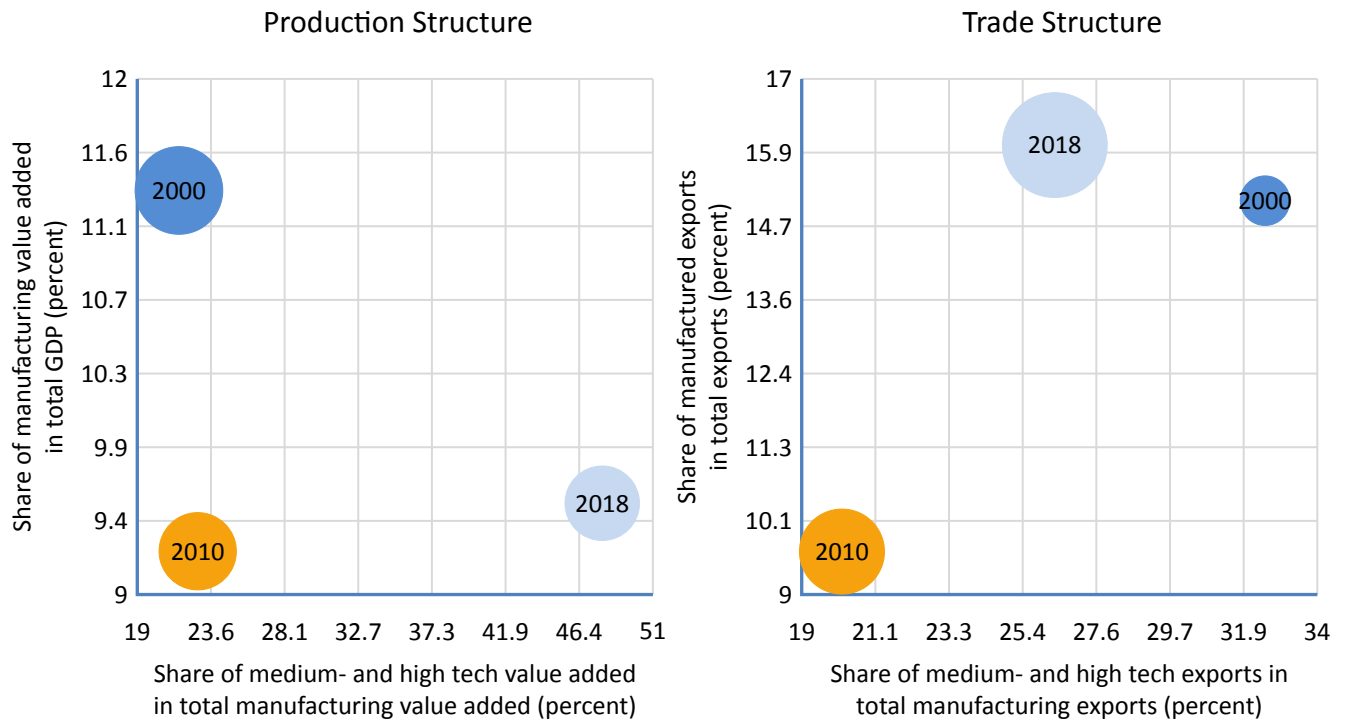
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	45	0.063	0.067	47 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	13	0.227	0.076	13	
Share of Manufacturing Value Added in GDP Index	99	0.260	0.343	100	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	16	0.594	0.302	18	
Industrialization Intensity Index	38	0.427	0.323	40	
Share of World Manufacturing Value Added Index	58	0.004	0.023	57	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	36	0.128	0.103	38	
Share of Manufacturing Exports in Total Exports Index	140	0.161	0.631	139	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	90	0.292	0.397	80	
Index Industrial Export Quality Index	136	0.226	0.514	126	
Share in World Manufacturing Export Index	67	0.005	0.039	71	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Republic of Korea

Asia and Pacific
Industrialized Economies
High Income

RANK 3
(index of 152 countries)

Score **0.349**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

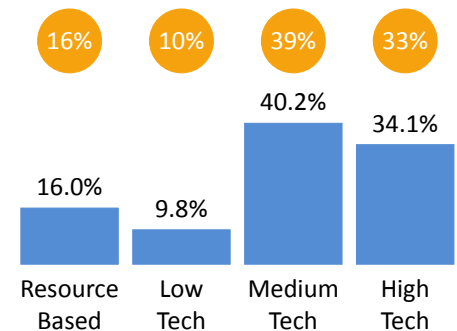
GDP: 1,506 billion | 29,429 per capita

Manufacturing value added: 413.6 billion | 8,084 per capita

Manufacturing exports: 588.7 billion | 11,505 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

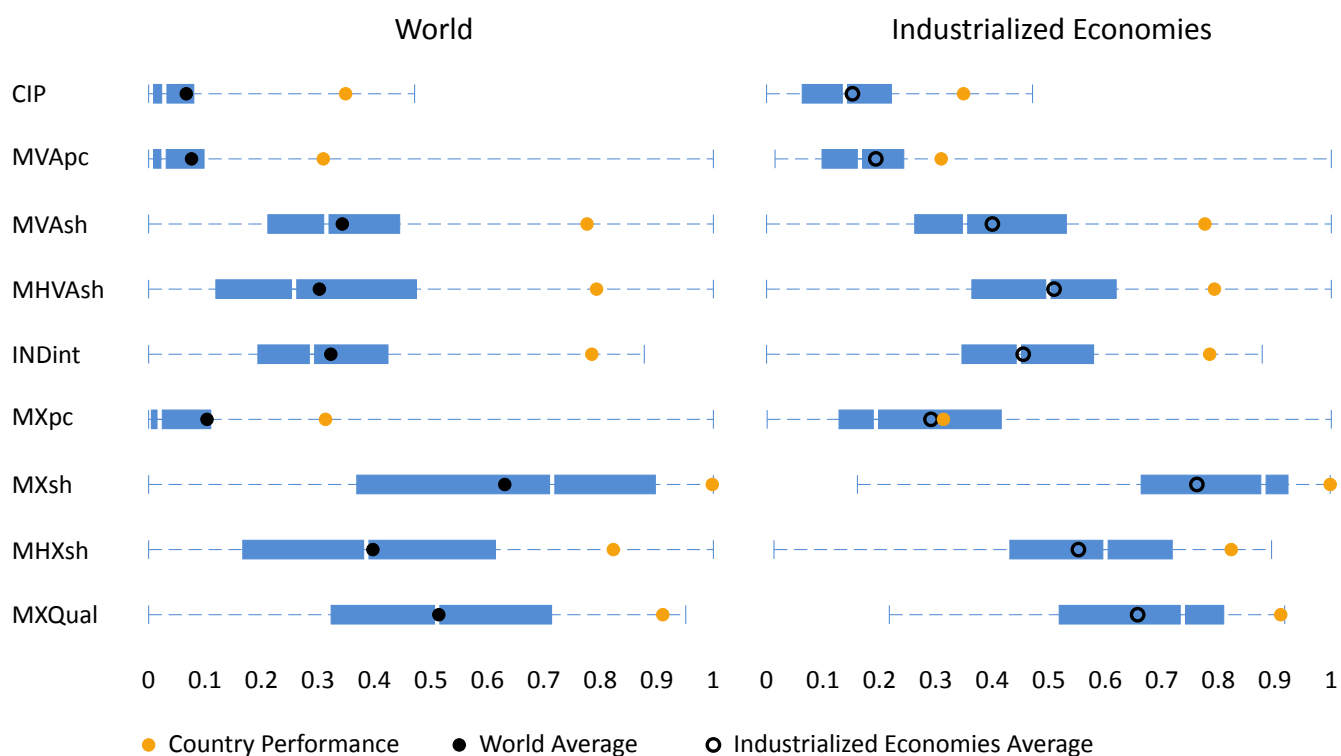


Performance indexes

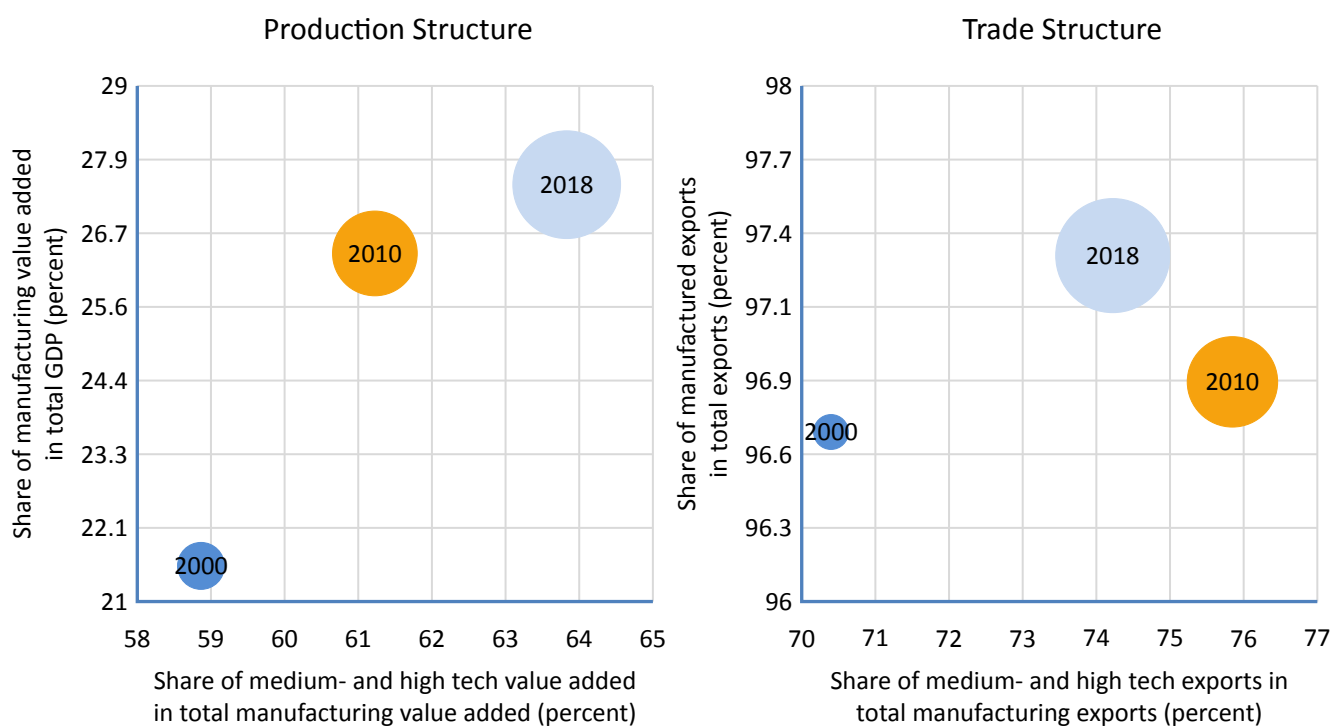
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	3	0.349	0.067	3 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	6	0.309	0.076	5	
Share of Manufacturing Value Added in GDP Index	5	0.776	0.343	5	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	4	0.793	0.302	3	
Industrialization Intensity Index	3	0.785	0.323	3	
Share of World Manufacturing Value Added Index	5	0.106	0.023	5	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	18	0.313	0.103	15	
Share of Manufacturing Exports in Total Exports Index	2	0.998	0.631	2	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	9	0.823	0.397	8	
Index Industrial Export Quality Index	5	0.910	0.514	3	
Share in World Manufacturing Export Index	5	0.245	0.039	5	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Republic of Moldova

Europe
Other Developing Economies
Lower Middle Income

RANK 111
(index of 152 countries)

Score **0.01**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

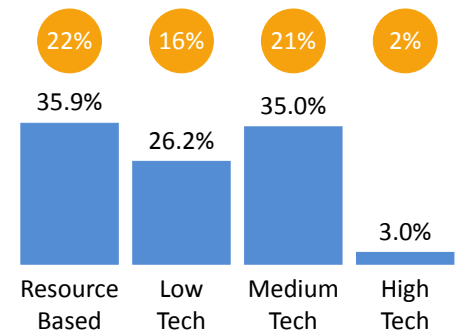
GDP: 7,397 million | 1,825 per capita

Manufacturing value added: 851.7 million | 210 per capita

Manufacturing exports: 1,123 million | 277 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

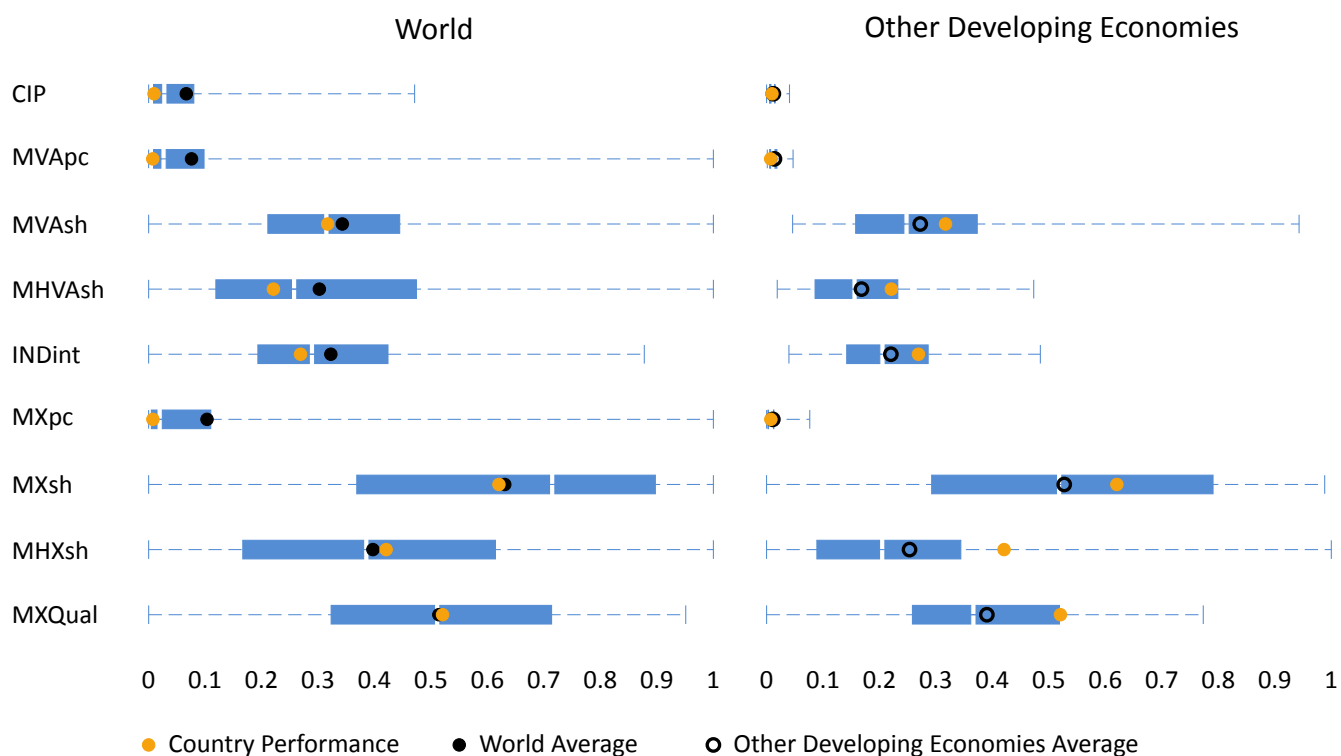


Performance indexes

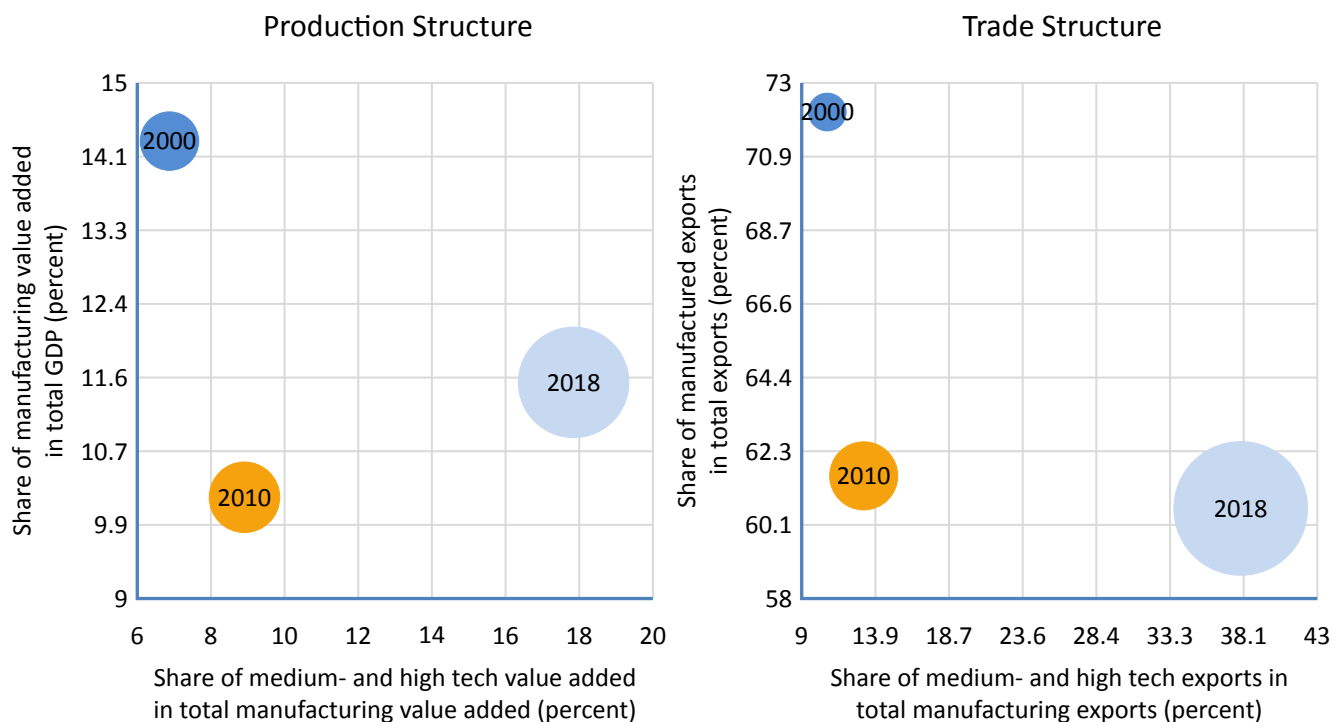
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	111	0.010	0.067	113 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	122	0.007	0.076	122	
Share of Manufacturing Value Added in GDP Index	76	0.317	0.343	75	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	88	0.221	0.302	91	
Industrialization Intensity Index	86	0.269	0.323	86	
Share of World Manufacturing Value Added Index	129	0.000	0.023	129	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	104	0.008	0.103	109	
Share of Manufacturing Exports in Total Exports Index	87	0.620	0.631	90	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	69	0.421	0.397	82	
Index Industrial Export Quality Index	73	0.520	0.514	82	
Share in World Manufacturing Export Index	120	0.000	0.039	121	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Romania

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 31
(index of 152 countries)

Score **0.103**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

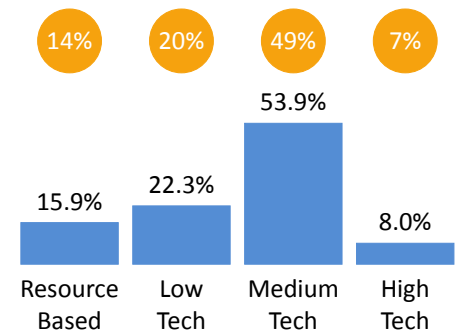
GDP: 207.6 billion | 10,644 per capita

Manufacturing value added: 41.8 billion | 2,145 per capita

Manufacturing exports: 72.4 billion | 3,711 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

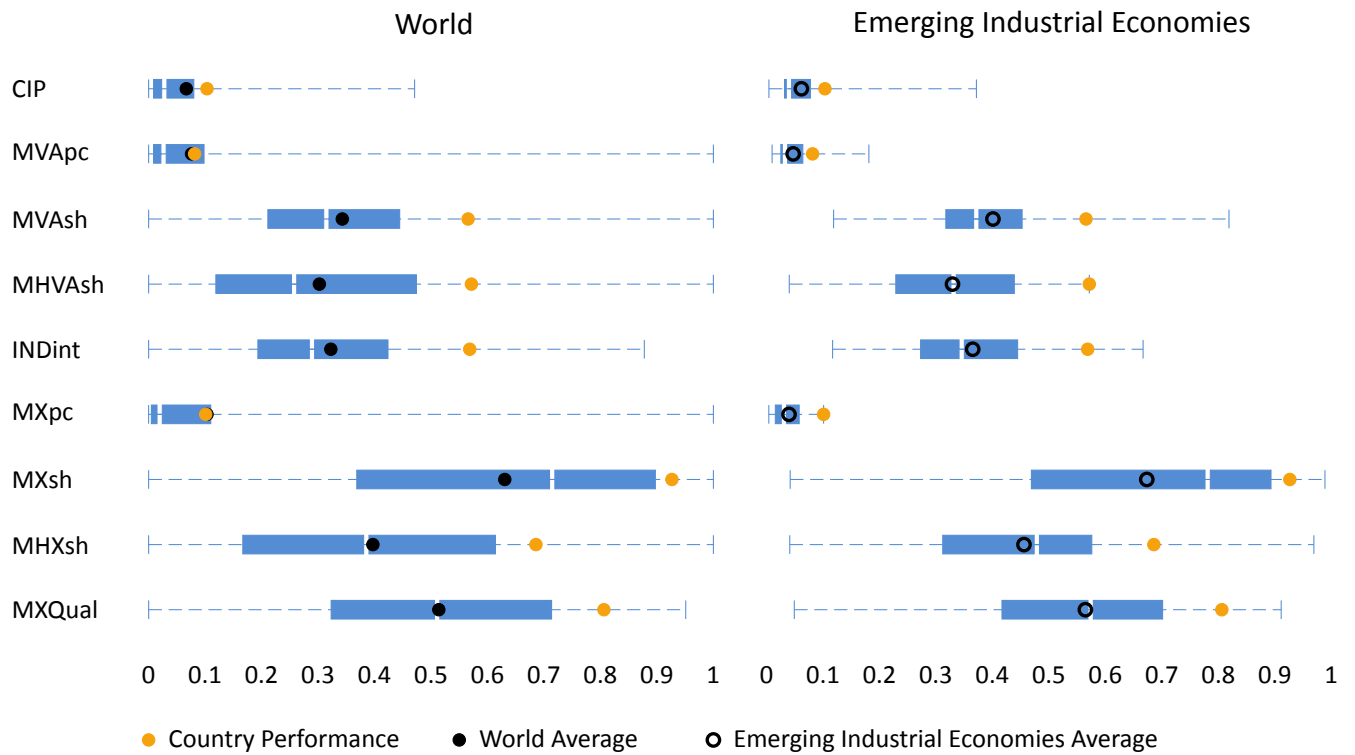


Performance indexes

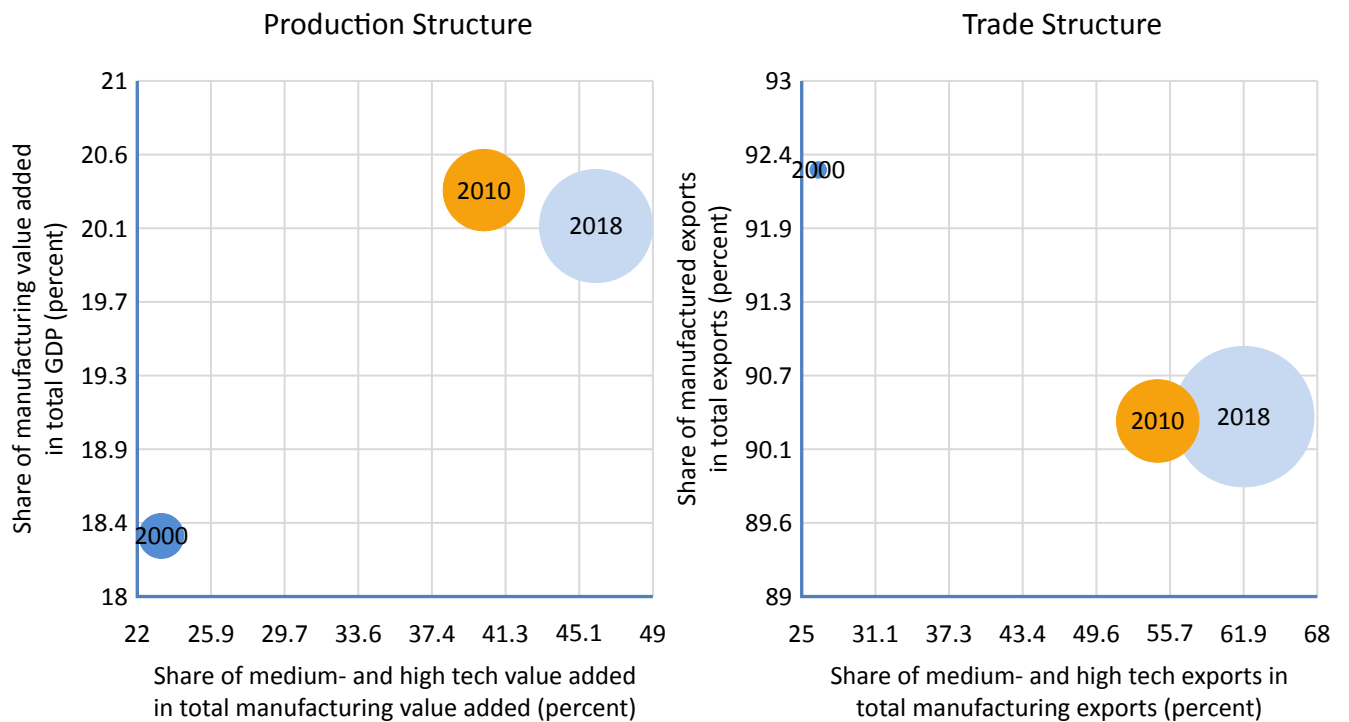
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	31	0.103	0.067	31 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	43	0.081	0.076	44	
Share of Manufacturing Value Added in GDP Index	19	0.566	0.343	20	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	20	0.571	0.302	20	
Industrialization Intensity Index	15	0.569	0.323	15	
Share of World Manufacturing Value Added Index	37	0.011	0.023	40	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	41	0.101	0.103	43	
Share of Manufacturing Exports in Total Exports Index	23	0.927	0.631	35	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	26	0.686	0.397	24	
Index Industrial Export Quality Index	18	0.806	0.514	22	
Share in World Manufacturing Export Index	34	0.030	0.039	34	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Russian Federation

Europe
Industrialized Economies
Upper Middle Income

RANK 32
(index of 152 countries)

Score **0.097**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

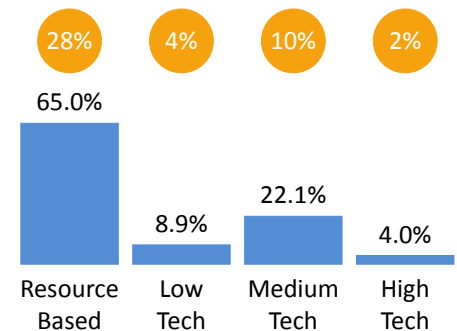
GDP: 1,418 billion | 9,730 per capita

Manufacturing value added: 178.1 billion | 1,222 per capita

Manufacturing exports: 197.0 billion | 1,352 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

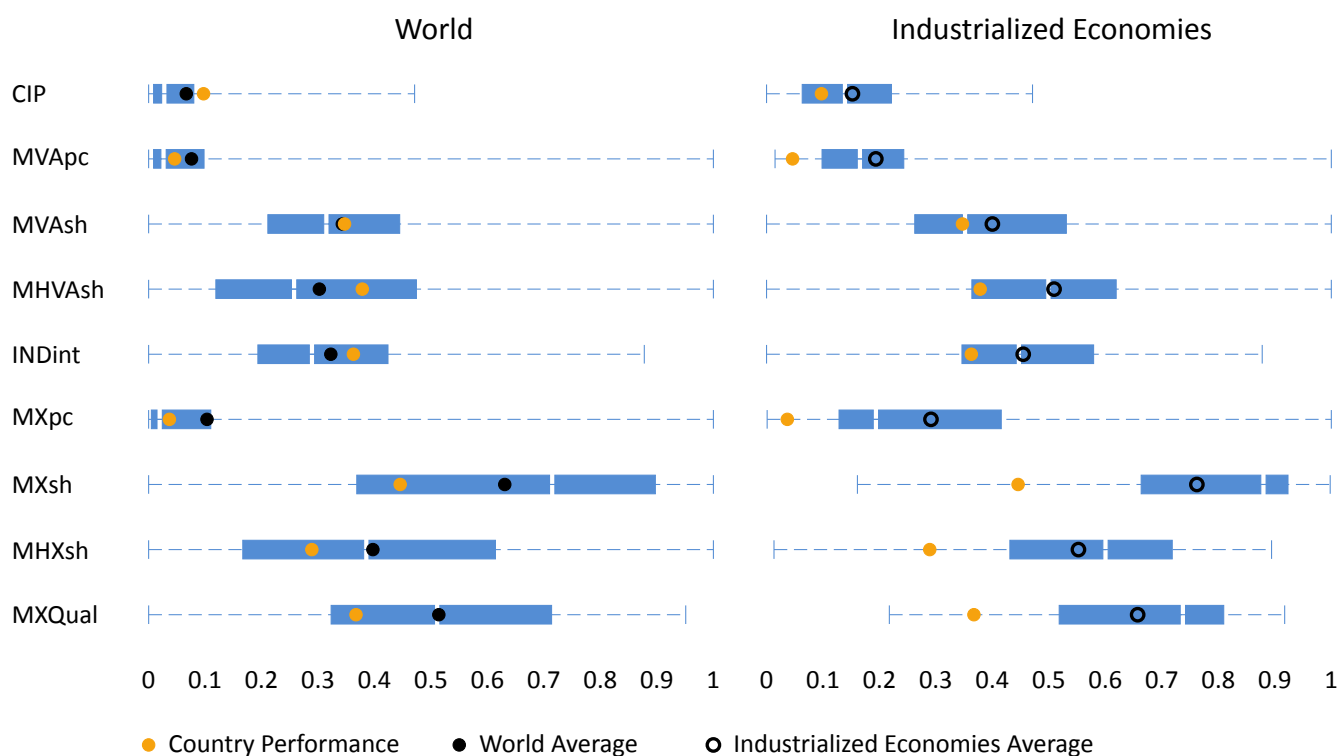


Performance indexes

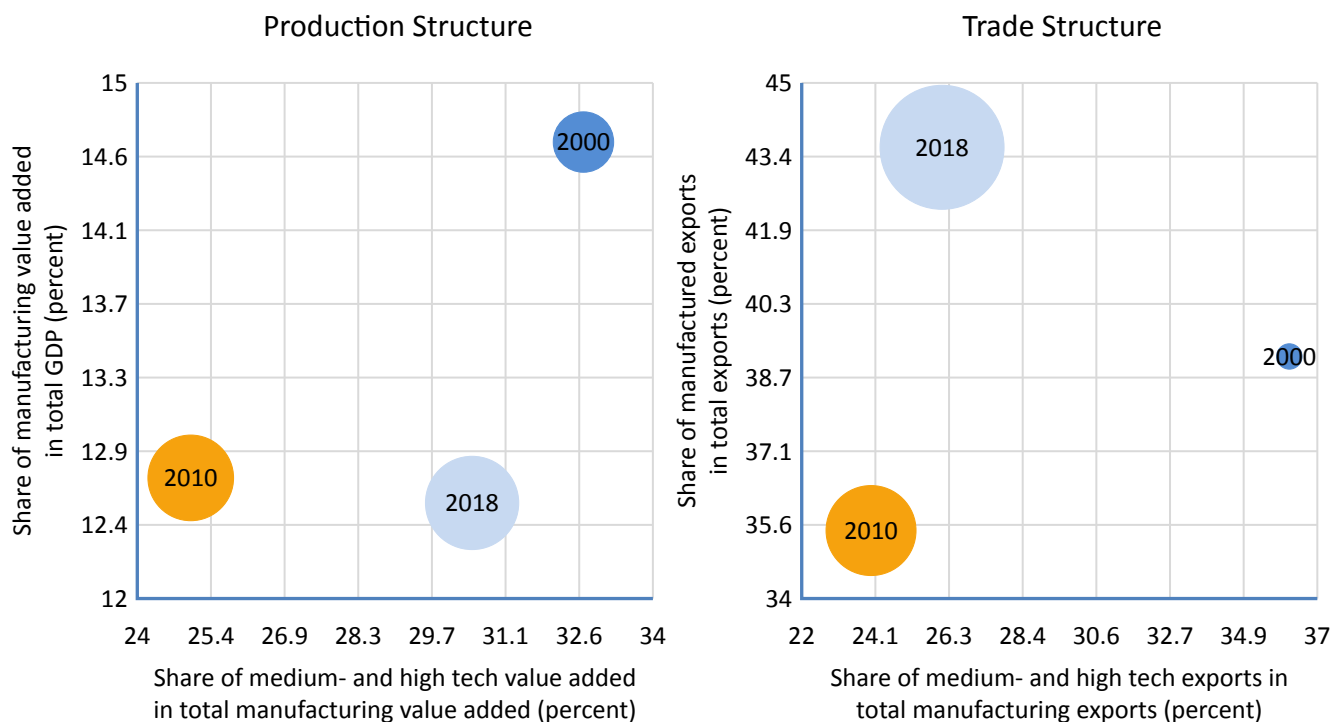
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	32	0.097	0.067	33 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	60	0.046	0.076	60	
Share of Manufacturing Value Added in GDP Index	66	0.347	0.343	65	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	51	0.378	0.302	52	
Industrialization Intensity Index	52	0.363	0.323	55	
Share of World Manufacturing Value Added Index	12	0.046	0.023	12	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	63	0.037	0.103	63	
Share of Manufacturing Exports in Total Exports Index	104	0.445	0.631	98	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	93	0.289	0.397	87	
Index Industrial Export Quality Index	102	0.367	0.514	97	
Share in World Manufacturing Export Index	21	0.082	0.039	21	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Rwanda

Africa
Least Developed Countries
Low Income

RANK 142
(index of 152 countries)

Score **0.002**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

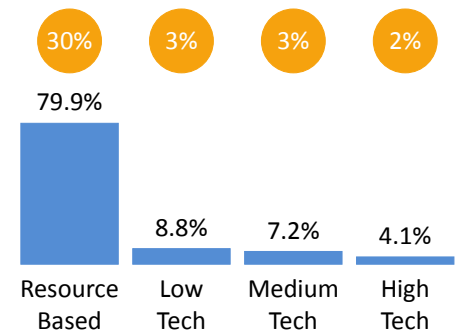
GDP: 10.1 billion | 822 per capita

Manufacturing value added: 598.5 million | 48.6 per capita

Manufacturing exports: 152.7 million | 13.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

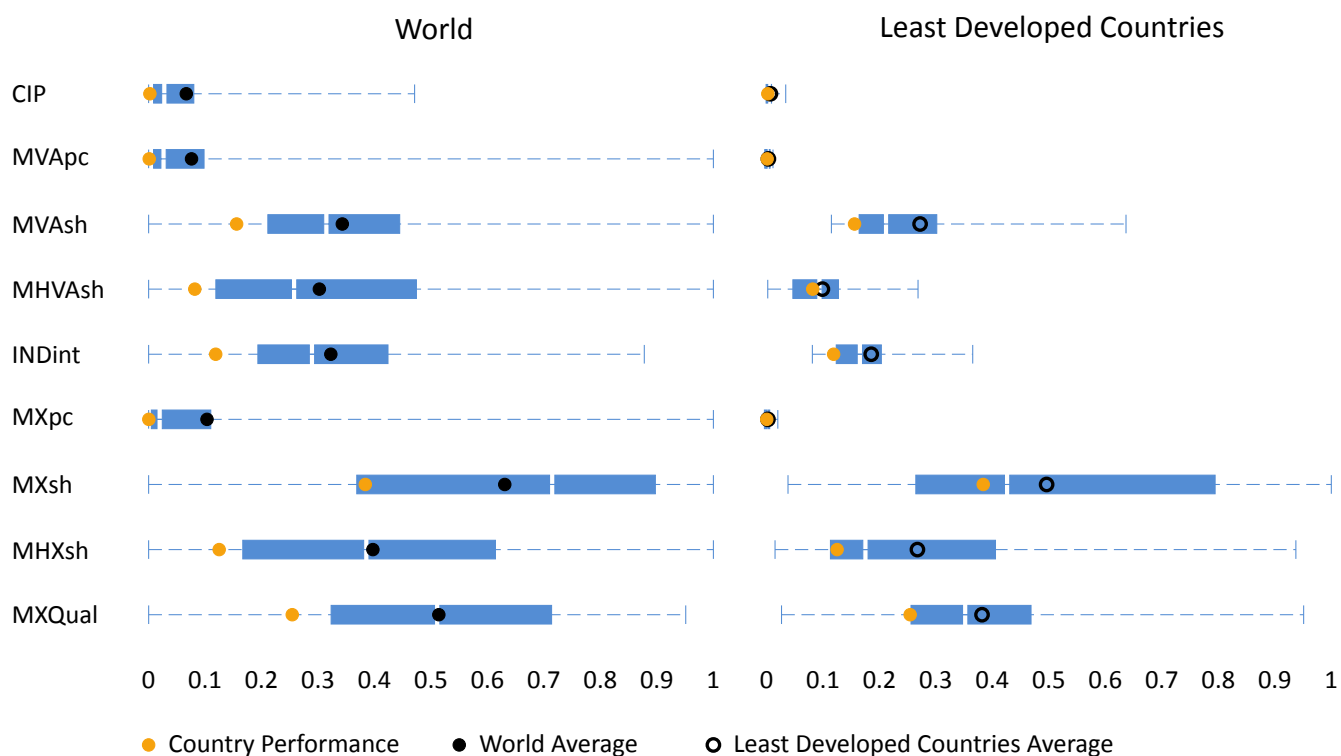


Performance indexes

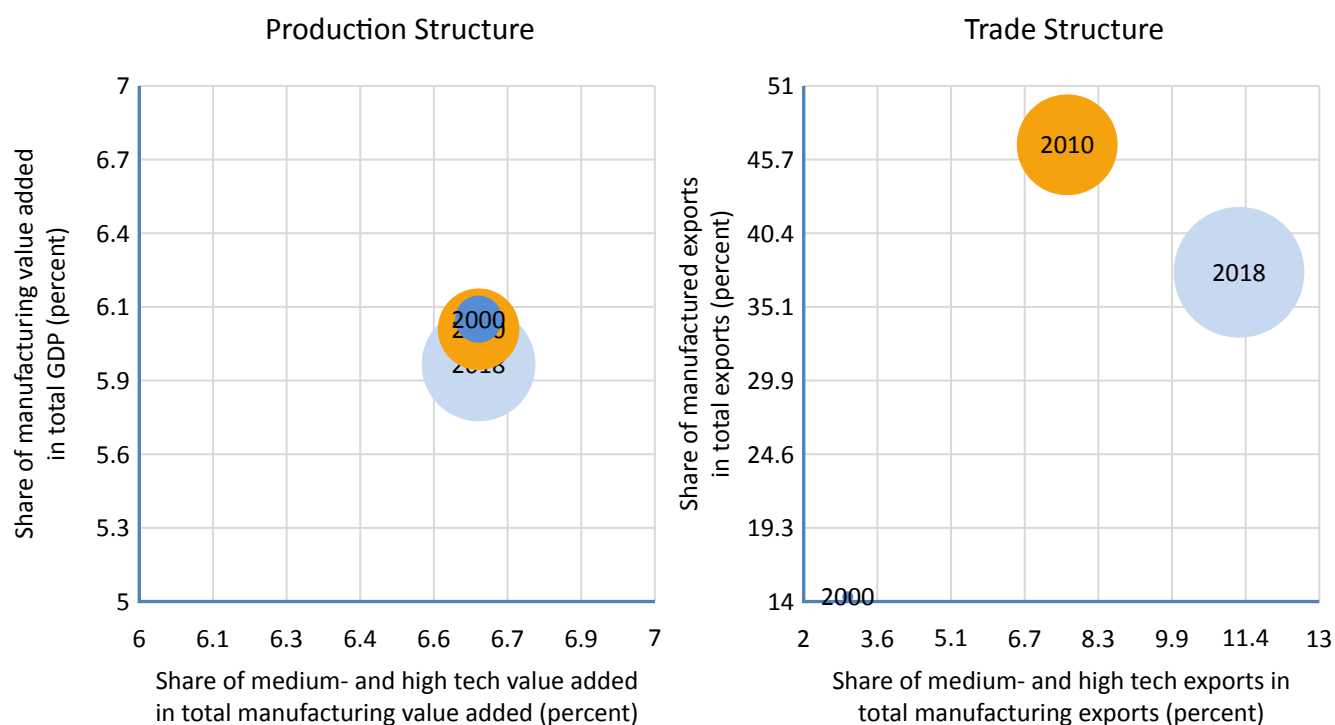
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	142	0.002	0.067	142 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	146	0.001	0.076	146	
Share of Manufacturing Value Added in GDP Index	131	0.156	0.343	131	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	127	0.082	0.302	126	
Industrialization Intensity Index	138	0.119	0.323	138	
Share of World Manufacturing Value Added Index	134	0.000	0.023	134	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	143	0.000	0.103	142	
Share of Manufacturing Exports in Total Exports Index	113	0.384	0.631	112	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	125	0.125	0.397	124	
Index Industrial Export Quality Index	132	0.254	0.514	128	
Share in World Manufacturing Export Index	135	0.000	0.039	135	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Saint Lucia

Latin America
Other Developing Economies
Upper Middle Income

RANK 138
(index of 152 countries)

Score **0.003**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

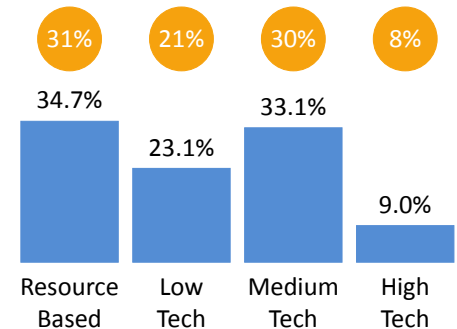
GDP: 1,742 million | 9,576 per capita

Manufacturing value added: 36.8 million | 202 per capita

Manufacturing exports: 127.1 million | 702 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

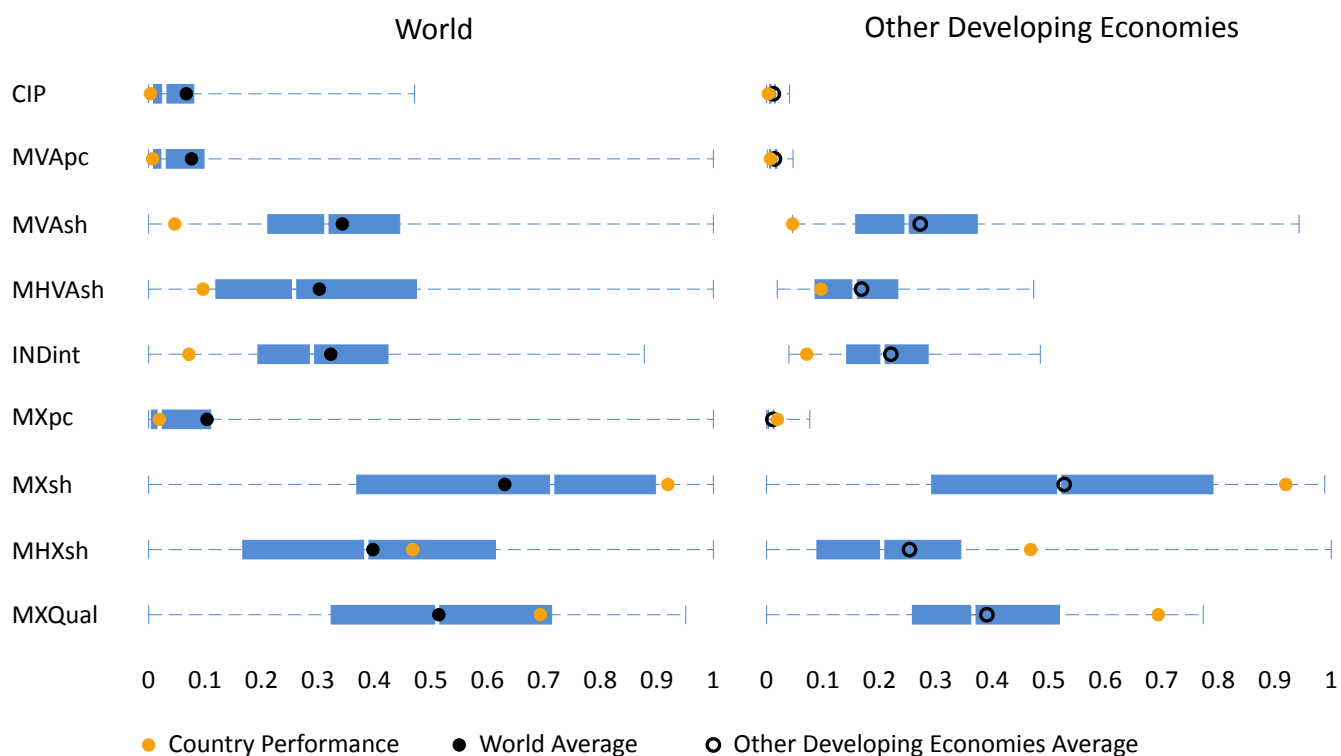


Performance indexes

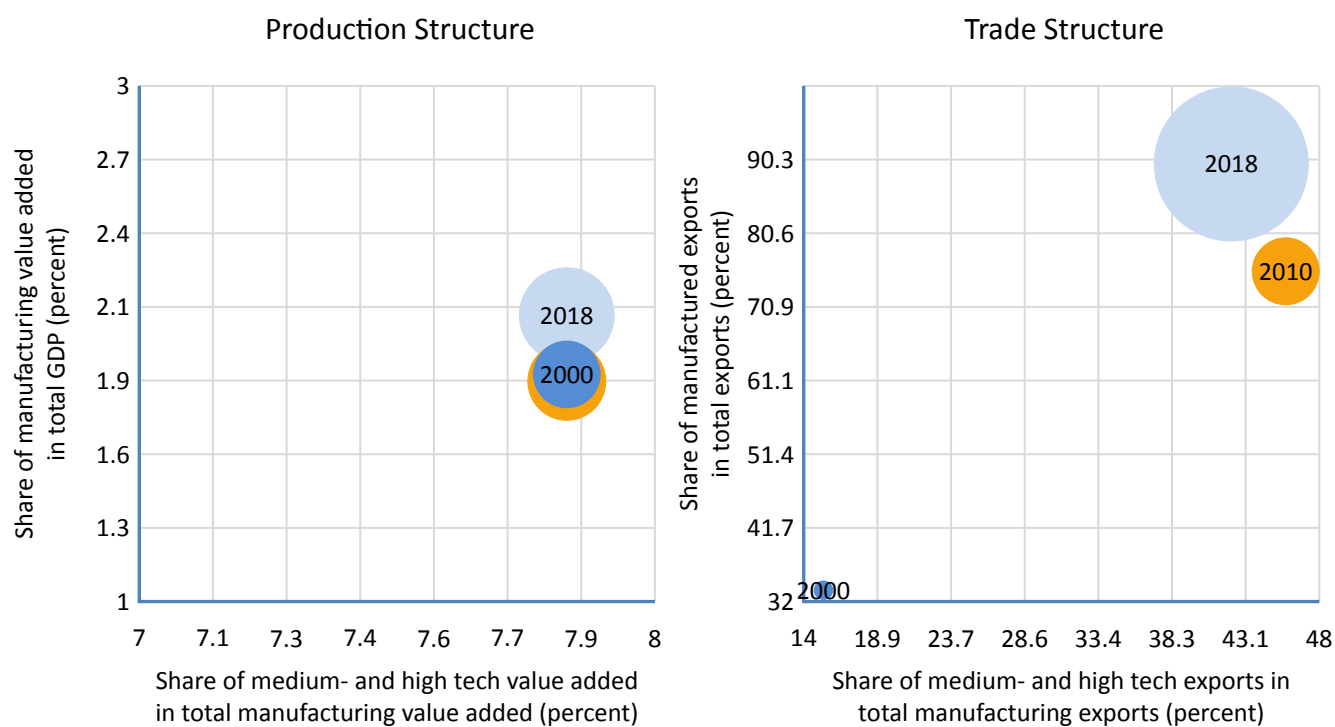
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	138	0.003	0.067	136 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	124	0.007	0.076	124	
Share of Manufacturing Value Added in GDP Index	149	0.046	0.343	149	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	118	0.096	0.302	117	
Industrialization Intensity Index	150	0.071	0.323	150	
Share of World Manufacturing Value Added Index	151	0.000	0.023	151	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	77	0.019	0.103	76	
Share of Manufacturing Exports in Total Exports Index	28	0.919	0.631	26	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	63	0.468	0.397	58	
Index Industrial Export Quality Index	45	0.694	0.514	43	
Share in World Manufacturing Export Index	140	0.000	0.039	141	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Saudi Arabia

Asia and Pacific
Emerging Industrial Economies
High Income

RANK 37
(index of 152 countries)

Score **0.084**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

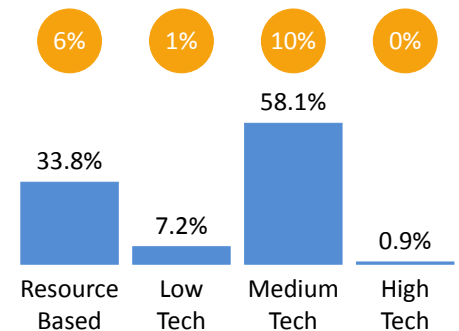
GDP: 676.4 billion | 20,069 per capita

Manufacturing value added: 91.0 billion | 2,701 per capita

Manufacturing exports: 50.2 billion | 1,490 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

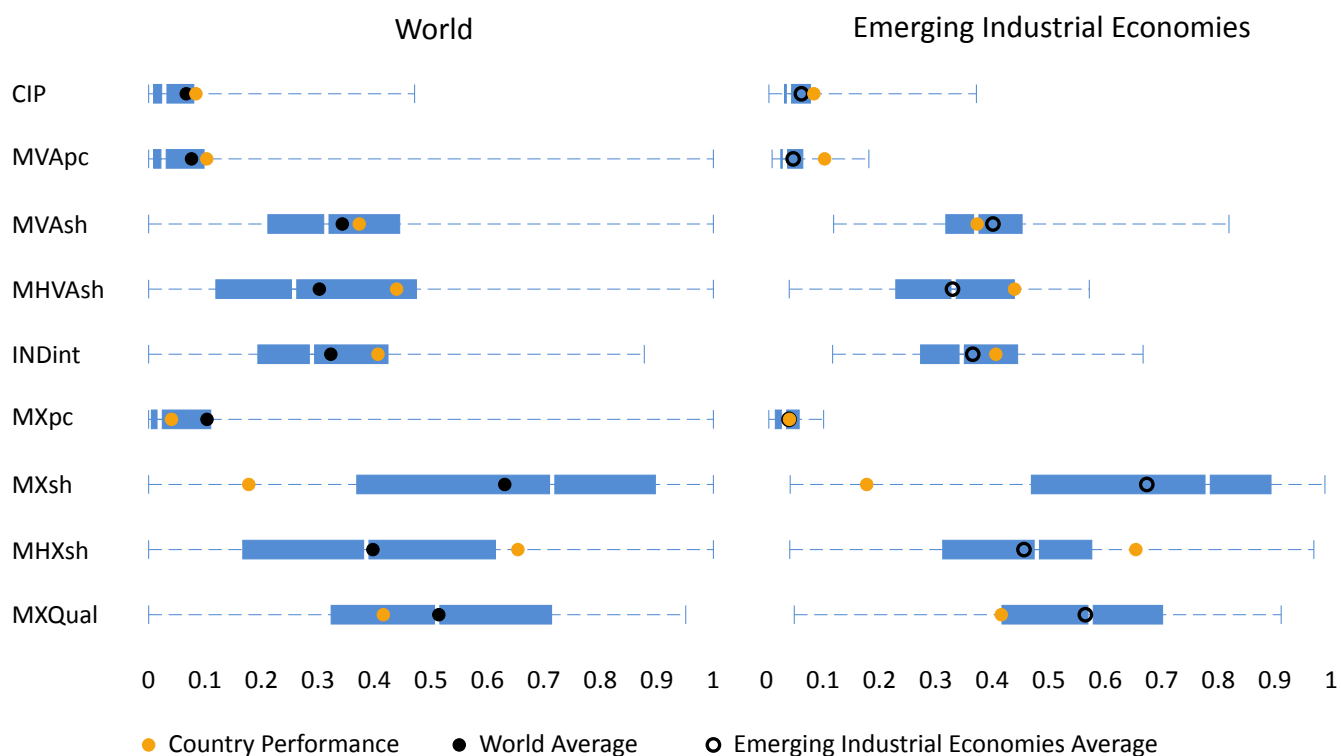


Performance indexes

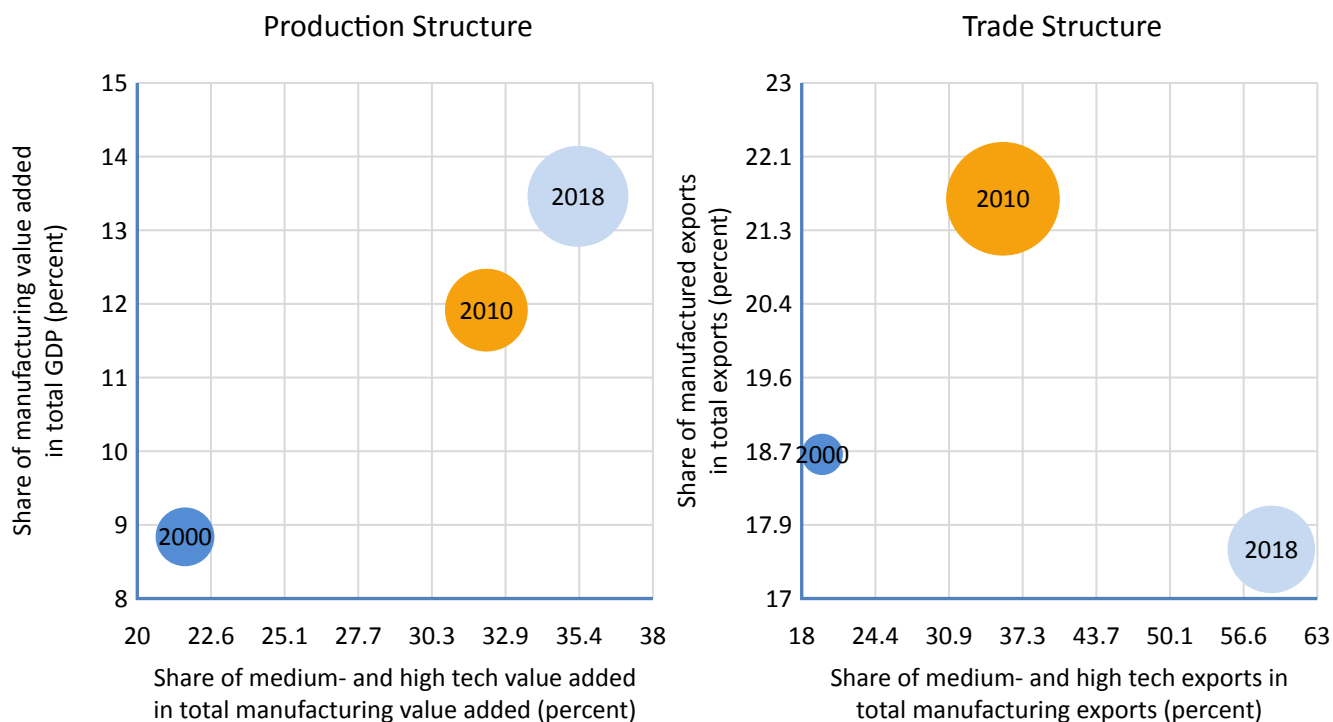
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	37	0.084	0.067	39 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	37	0.103	0.076	35	
Share of Manufacturing Value Added in GDP Index	57	0.373	0.343	59	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	43	0.439	0.302	43	
Industrialization Intensity Index	44	0.406	0.323	45	
Share of World Manufacturing Value Added Index	23	0.023	0.023	24	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	61	0.041	0.103	64	
Share of Manufacturing Exports in Total Exports Index	139	0.177	0.631	137	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	31	0.654	0.397	26	
Index Industrial Export Quality Index	93	0.416	0.514	90	
Share in World Manufacturing Export Index	42	0.021	0.039	42	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Senegal

Africa
Least Developed Countries
Lower Middle Income

RANK 106
(index of 152 countries)

Score **0.012**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

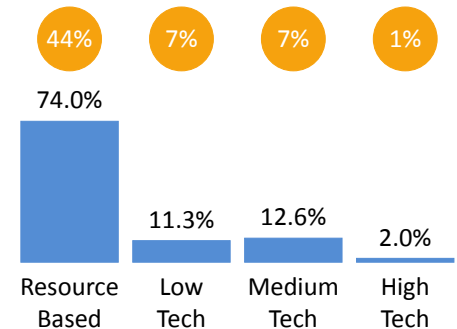
GDP: 21.5 billion | 1,354 per capita

Manufacturing value added: 3,372 million | 213 per capita

Manufacturing exports: 2,157 million | 136 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

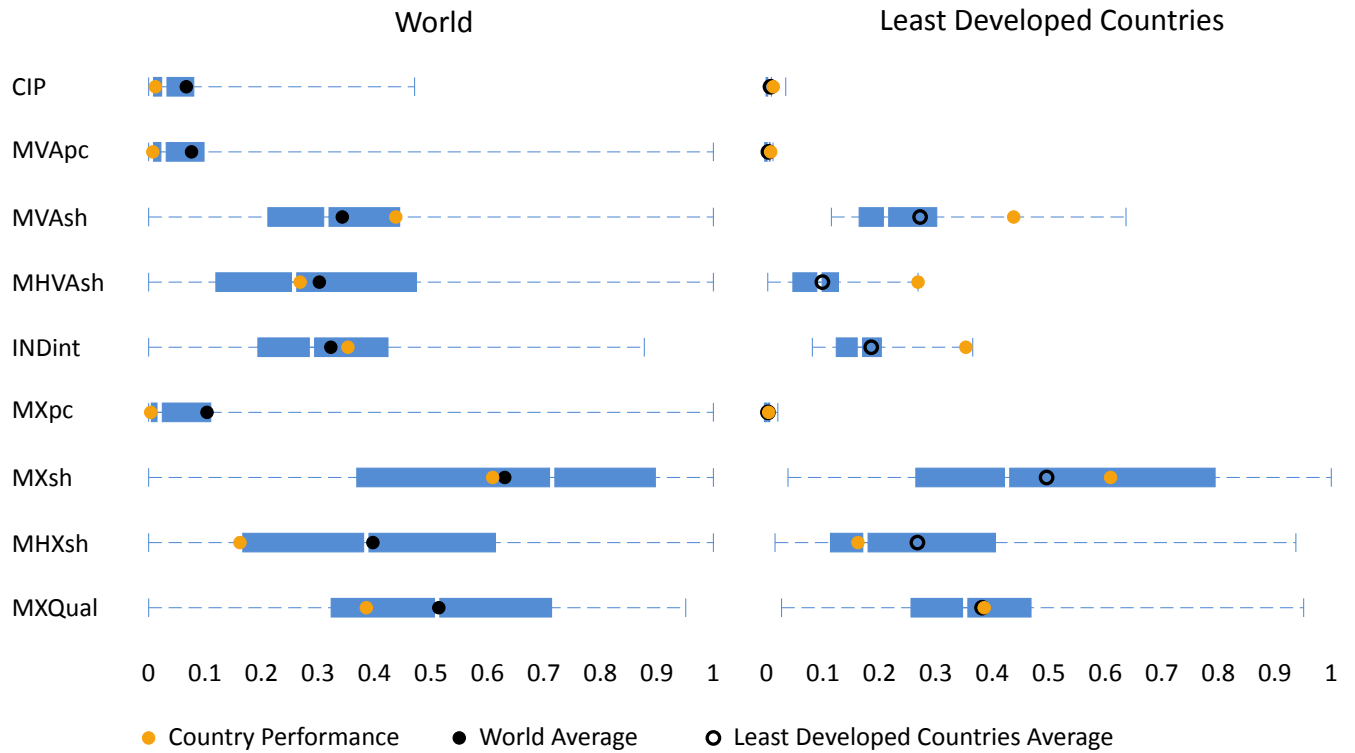


Performance indexes

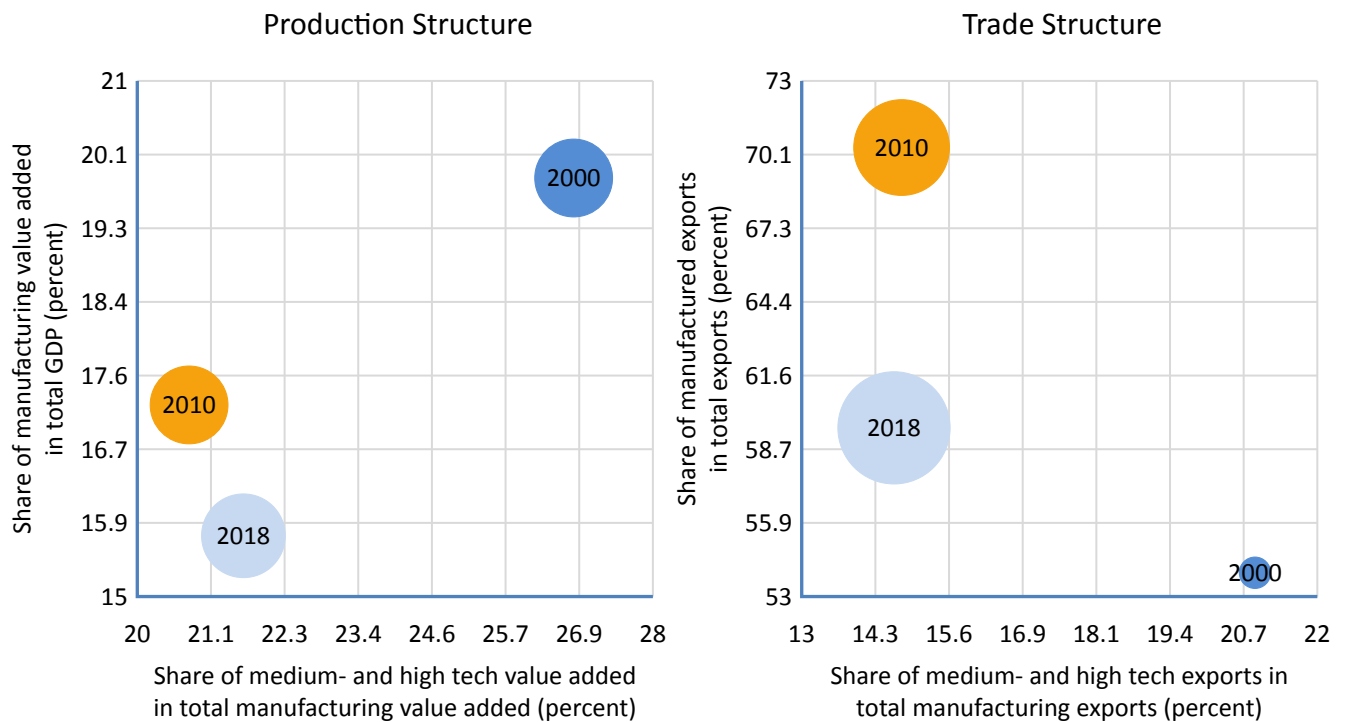
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	106	0.012	0.067	104 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	119	0.007	0.076	117	
Share of Manufacturing Value Added in GDP Index	42	0.438	0.343	35	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	74	0.268	0.302	75	
Industrialization Intensity Index	56	0.353	0.323	56	
Share of World Manufacturing Value Added Index	94	0.001	0.023	94	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	118	0.004	0.103	118	
Share of Manufacturing Exports in Total Exports Index	88	0.609	0.631	84	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	117	0.162	0.397	113	
Index Industrial Export Quality Index	97	0.385	0.514	96	
Share in World Manufacturing Export Index	103	0.001	0.039	100	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Serbia

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 62
(index of 152 countries)

Score **0.04**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

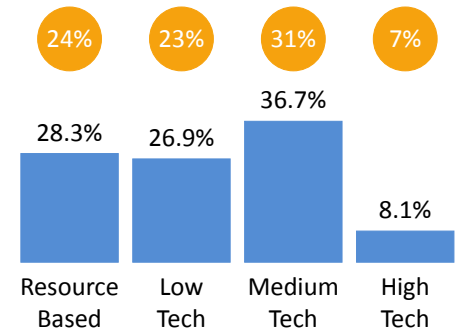
GDP: 40.7 billion | 4,619 per capita

Manufacturing value added: 6,409 million | 728 per capita

Manufacturing exports: 16.2 billion | 1,845 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

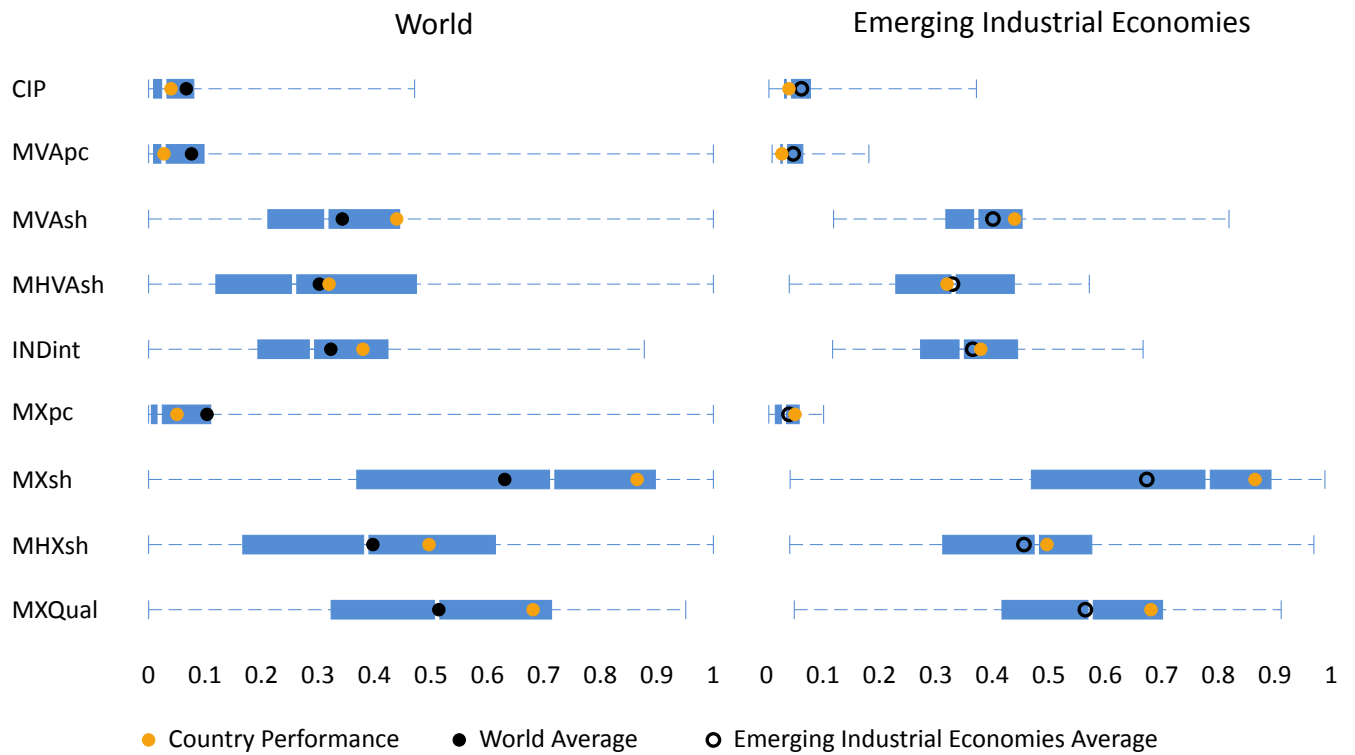


Performance indexes

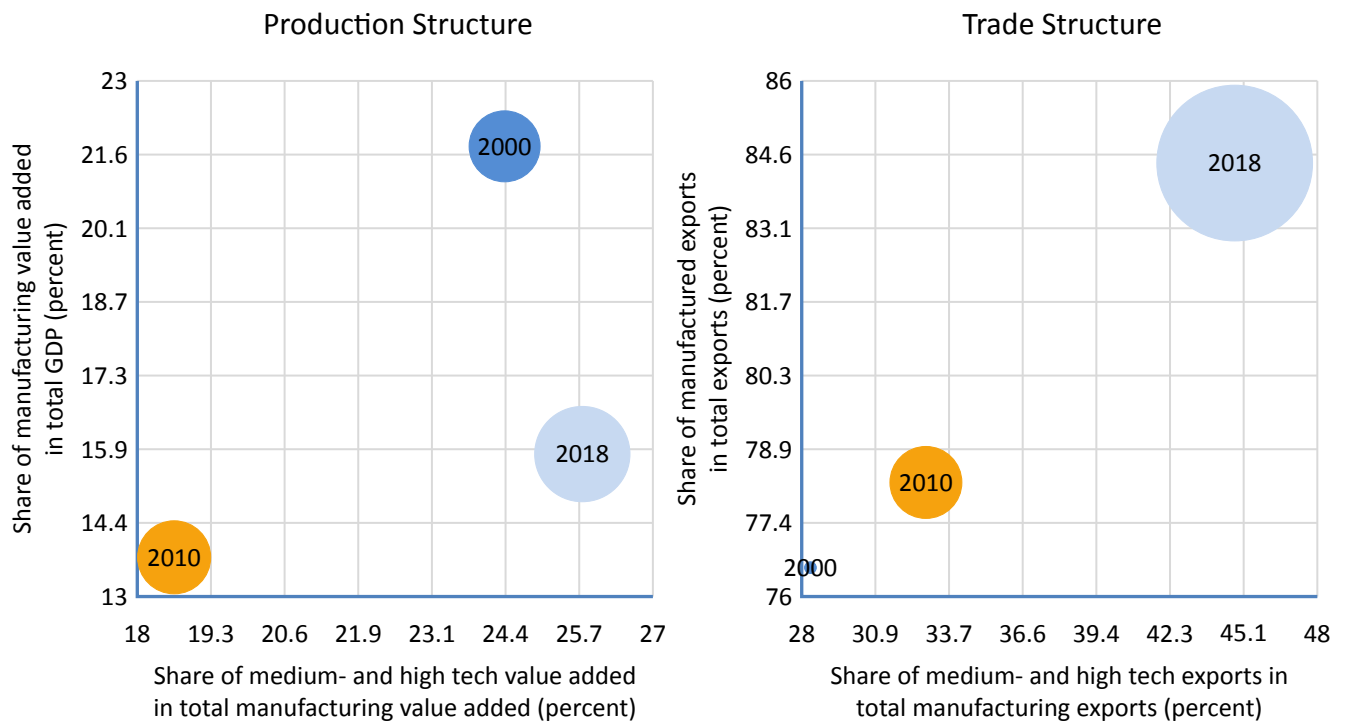
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	62	0.040	0.067	63 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	76	0.027	0.076	76	
Share of Manufacturing Value Added in GDP Index	41	0.439	0.343	39	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	64	0.320	0.302	66	
Industrialization Intensity Index	50	0.379	0.323	49	
Share of World Manufacturing Value Added Index	80	0.002	0.023	79	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	55	0.050	0.103	56	
Share of Manufacturing Exports in Total Exports Index	51	0.865	0.631	50	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	54	0.496	0.397	51	
Index Industrial Export Quality Index	47	0.681	0.514	47	
Share in World Manufacturing Export Index	59	0.007	0.039	59	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Singapore

Asia and Pacific
Industrialized Economies
High Income

RANK 9
(index of 152 countries)

Score **0.259**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

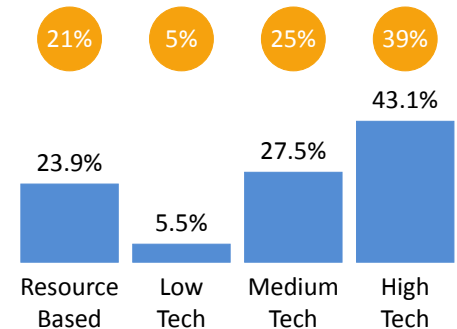
GDP: 332.8 billion | 57,799 per capita

Manufacturing value added: 63.2 billion | 10,974 per capita

Manufacturing exports: 186.2 billion | 32,344 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

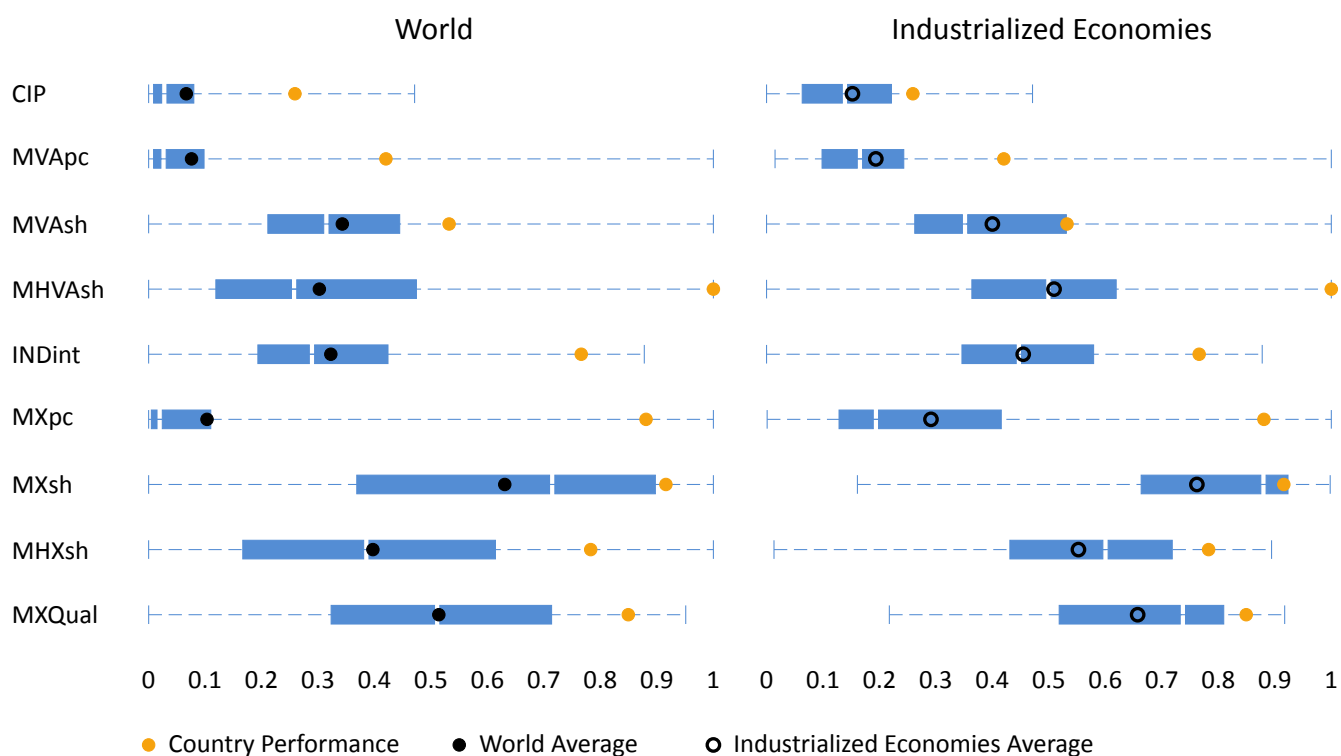


Performance indexes

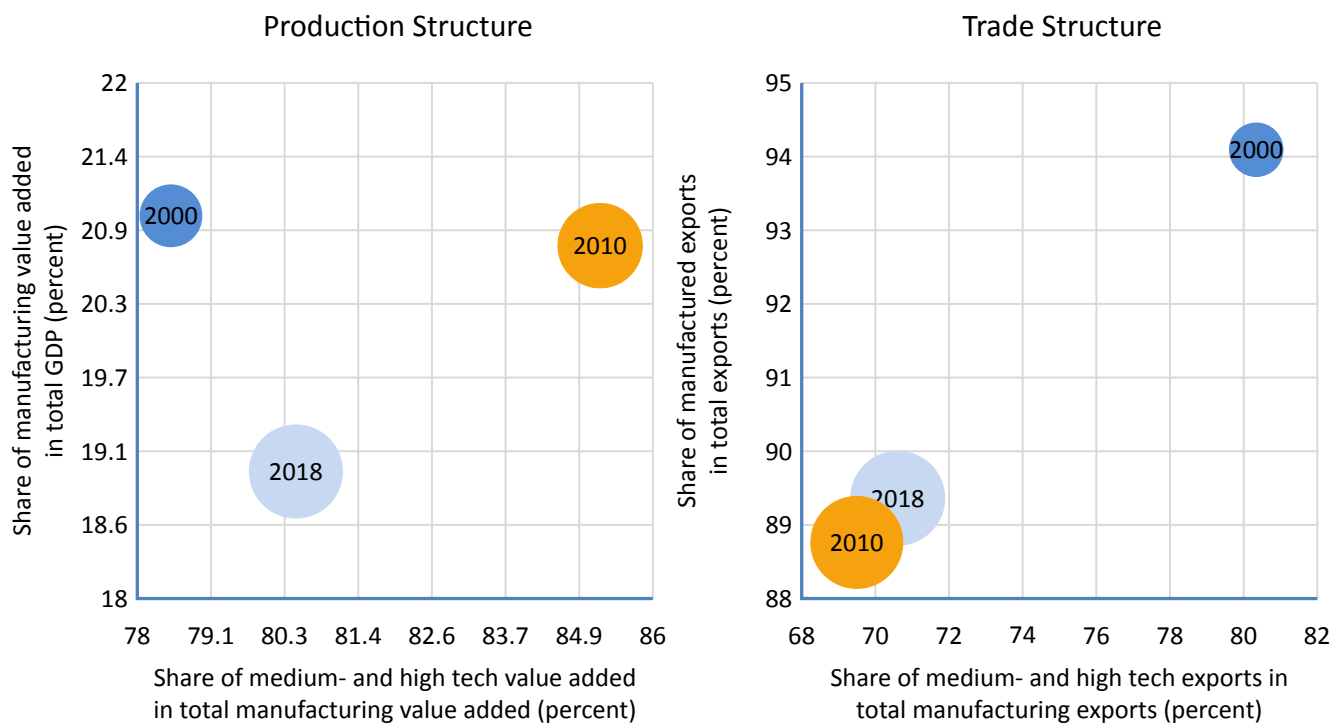
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	9	0.259	0.067	9 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	3	0.420	0.076	3	
Share of Manufacturing Value Added in GDP Index	21	0.532	0.343	21	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	1	1.000	0.302	1	
Industrialization Intensity Index	4	0.766	0.323	4	
Share of World Manufacturing Value Added Index	30	0.016	0.023	30	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	3	0.881	0.103	2	
Share of Manufacturing Exports in Total Exports Index	30	0.916	0.631	29	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	13	0.783	0.397	10	
Index Industrial Export Quality Index	11	0.849	0.514	11	
Share in World Manufacturing Export Index	23	0.077	0.039	23	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Slovakia

Europe
Industrialized Economies
High Income

RANK 26
(index of 152 countries)

Score **0.14**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

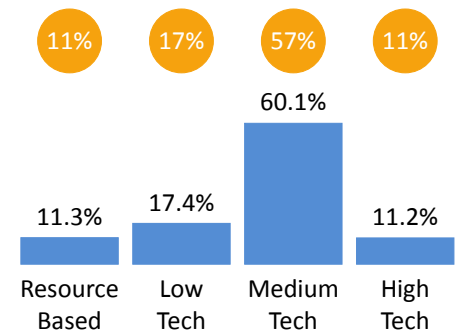
GDP: 97.2 billion | 17,832 per capita

Manufacturing value added: 21.6 billion | 3,963 per capita

Manufacturing exports: 89.2 billion | 16,354 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

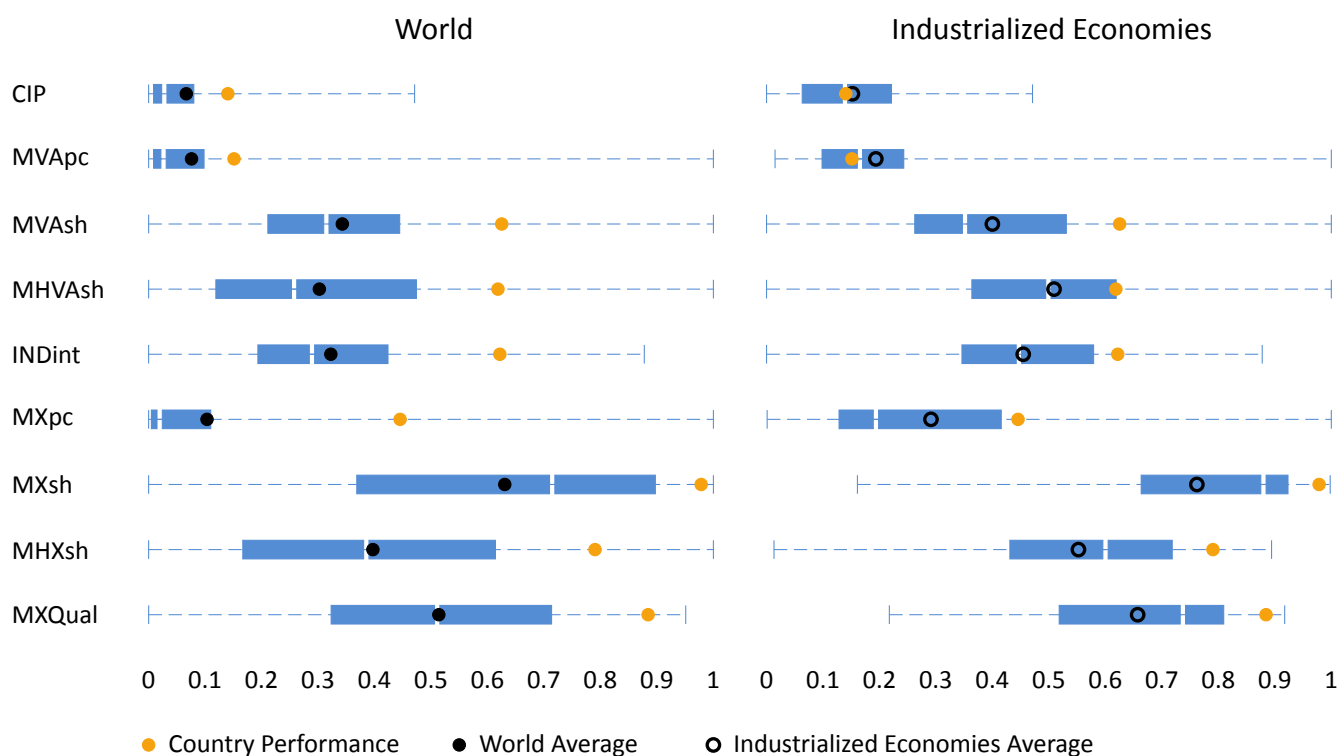


Performance indexes

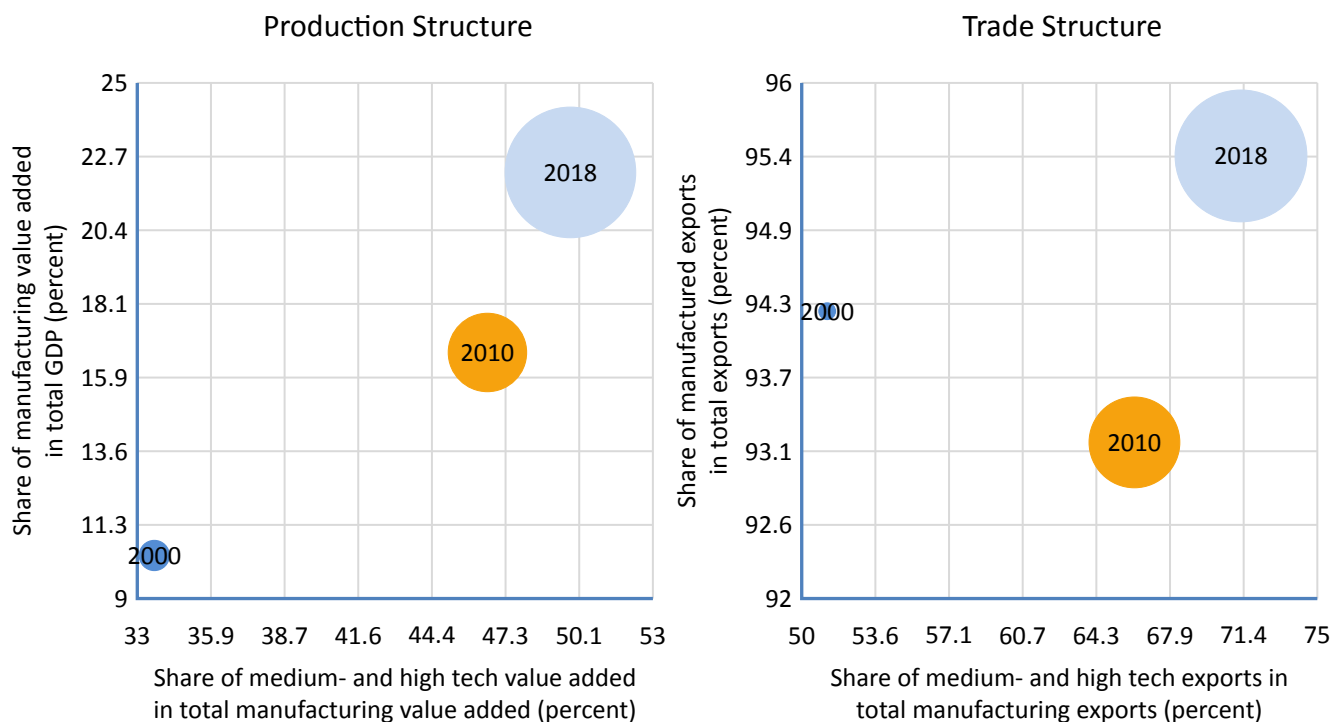
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	26	0.140	0.067	26 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	28	0.151	0.076	29	
Share of Manufacturing Value Added in GDP Index	11	0.625	0.343	11	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	13	0.619	0.302	15	
Industrialization Intensity Index	12	0.622	0.323	12	
Share of World Manufacturing Value Added Index	52	0.006	0.023	54	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	10	0.445	0.103	11	
Share of Manufacturing Exports in Total Exports Index	8	0.978	0.631	8	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	11	0.790	0.397	11	
Index Industrial Export Quality Index	7	0.884	0.514	8	
Share in World Manufacturing Export Index	33	0.037	0.039	33	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Slovenia

Europe
Industrialized Economies
High Income

RANK 30
(index of 152 countries)

Score **0.107**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

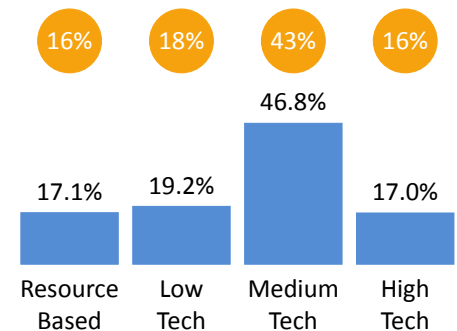
GDP: 48.5 billion | 23,347 per capita

Manufacturing value added: 10.3 billion | 4,964 per capita

Manufacturing exports: 33.5 billion | 16,131 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

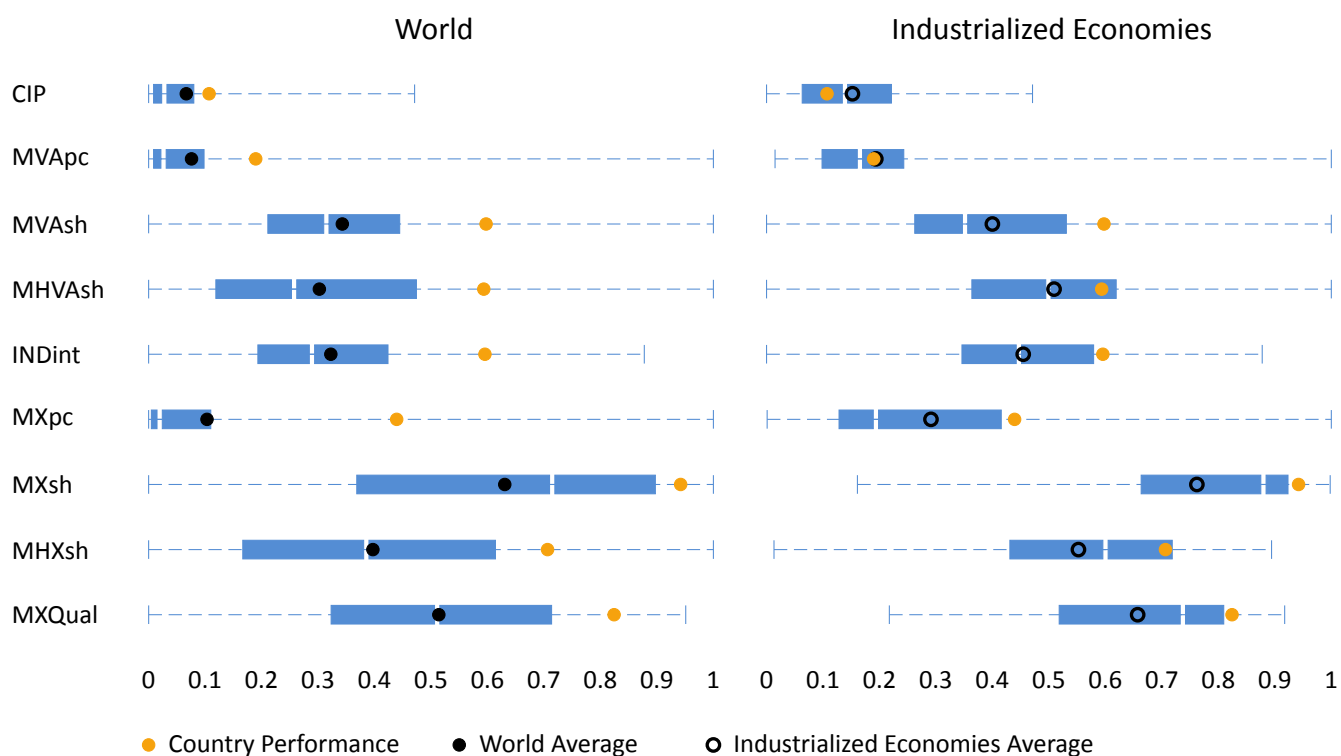


Performance indexes

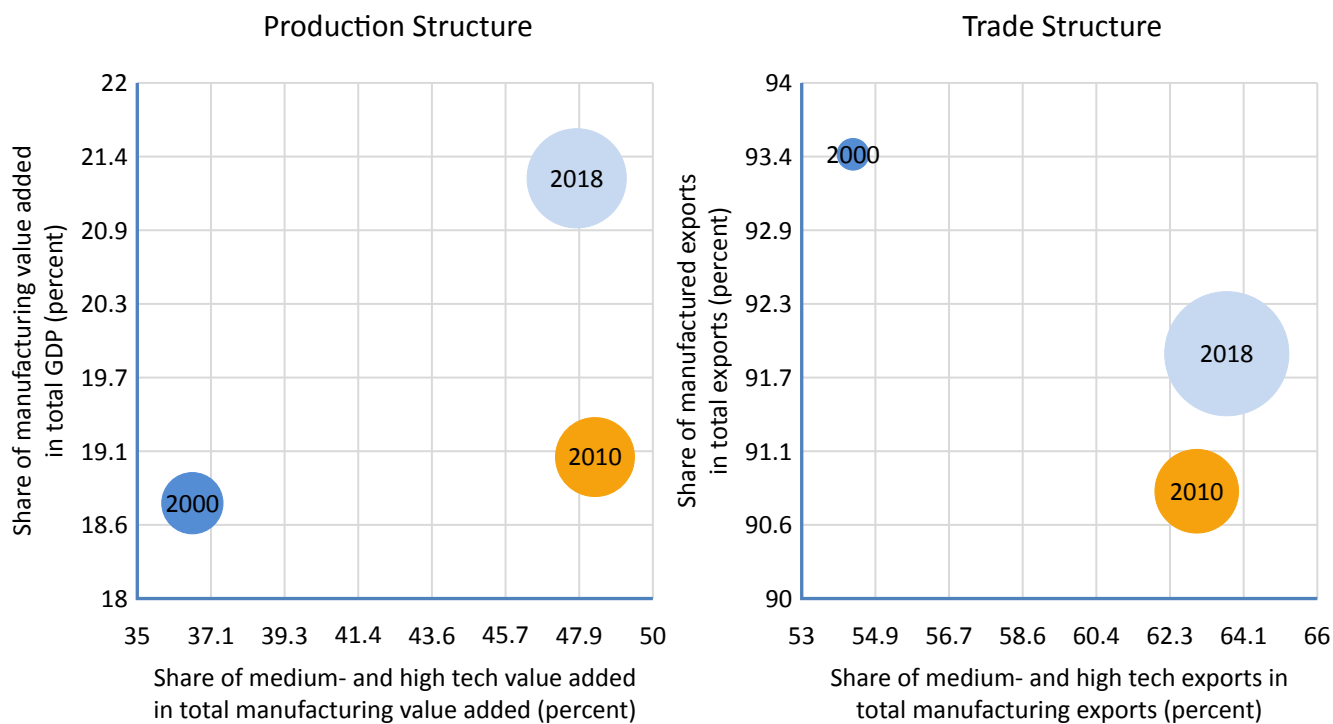
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	30	0.107	0.067	30 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	18	0.190	0.076	22	
Share of Manufacturing Value Added in GDP Index	12	0.597	0.343	14	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	17	0.593	0.302	17	
Industrialization Intensity Index	13	0.595	0.323	13	
Share of World Manufacturing Value Added Index	66	0.003	0.023	66	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	11	0.439	0.103	12	
Share of Manufacturing Exports in Total Exports Index	18	0.942	0.631	20	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	20	0.706	0.397	18	
Index Industrial Export Quality Index	14	0.824	0.514	14	
Share in World Manufacturing Export Index	46	0.014	0.039	47	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

South Africa

Africa
Emerging Industrial Economies
Upper Middle Income

RANK 52
(index of 152 countries)

Score **0.057**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

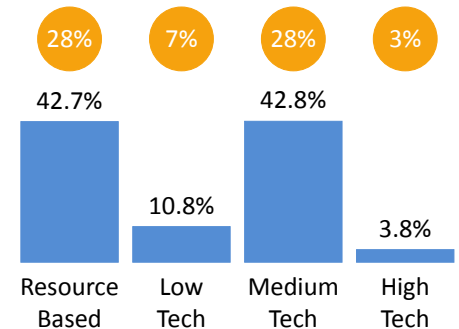
GDP: 326.1 billion | 5,642 per capita

Manufacturing value added: 38.2 billion | 662 per capita

Manufacturing exports: 61.8 billion | 1,069 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

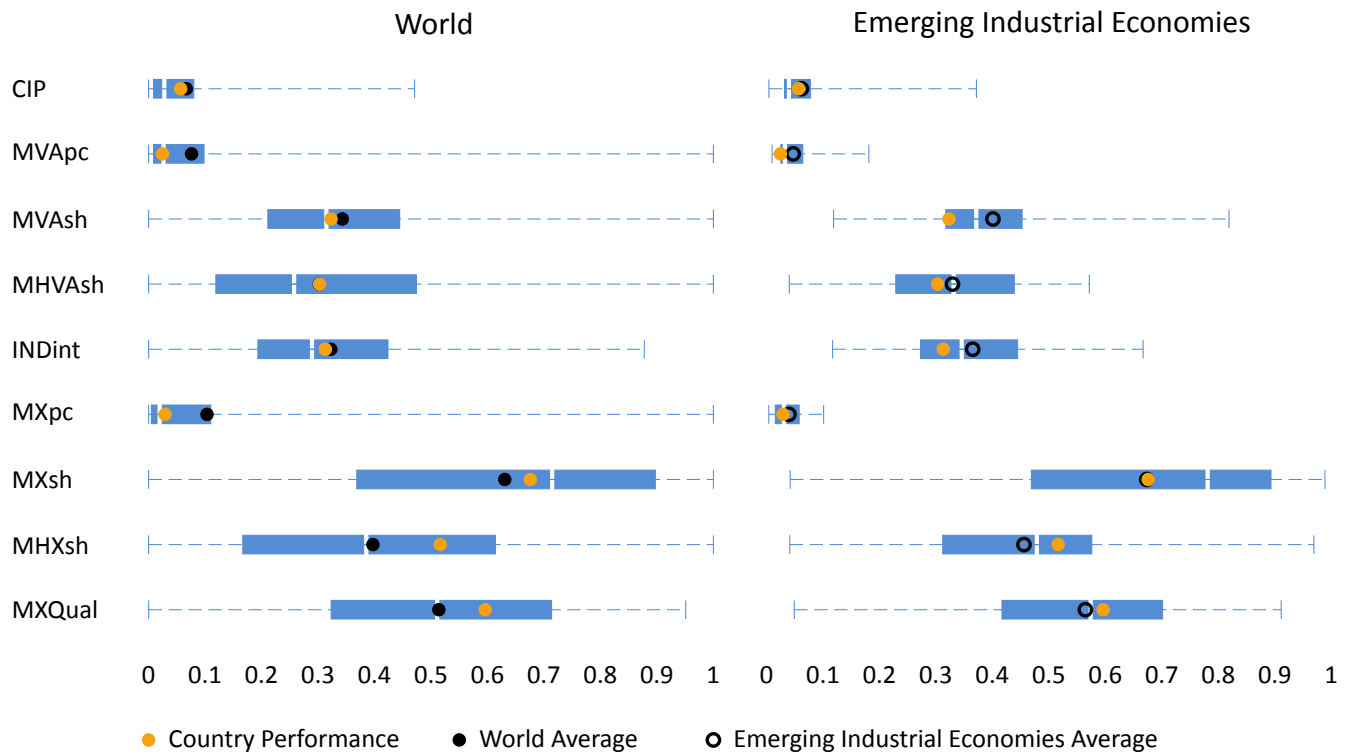


Performance indexes

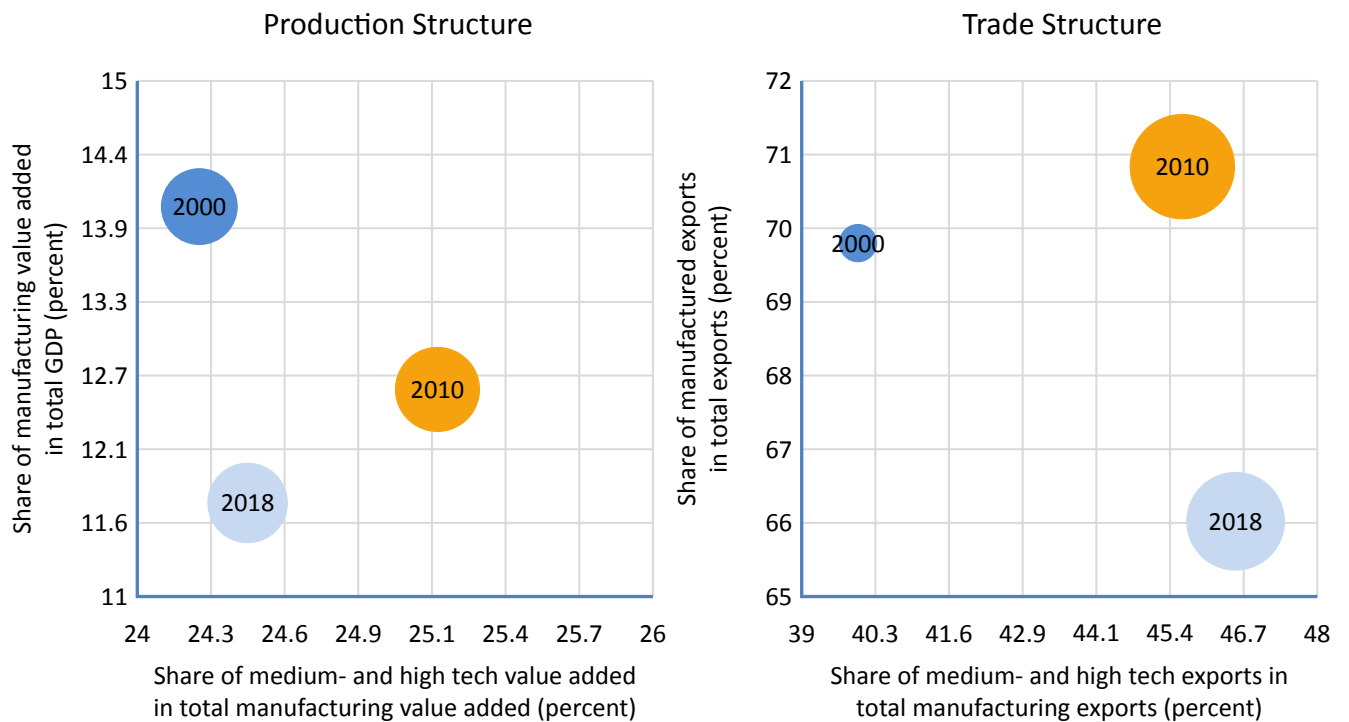
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	52	0.057	0.067	50 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	81	0.025	0.076	79	
Share of Manufacturing Value Added in GDP Index	74	0.323	0.343	73	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	68	0.303	0.302	70	
Industrialization Intensity Index	72	0.313	0.323	72	
Share of World Manufacturing Value Added Index	43	0.010	0.023	41	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	66	0.029	0.103	66	
Share of Manufacturing Exports in Total Exports Index	82	0.676	0.631	82	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	50	0.516	0.397	48	
Index Industrial Export Quality Index	62	0.596	0.514	58	
Share in World Manufacturing Export Index	37	0.026	0.039	37	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Spain

Europe
Industrialized Economies
High Income

RANK 18
(index of 152 countries)

Score **0.181**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

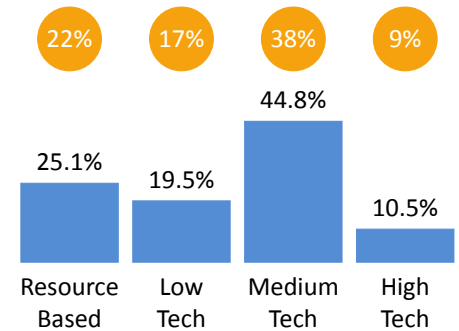
GDP: 1,307 billion | 27,988 per capita

Manufacturing value added: 166.2 billion | 3,559 per capita

Manufacturing exports: 282.1 billion | 6,041 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

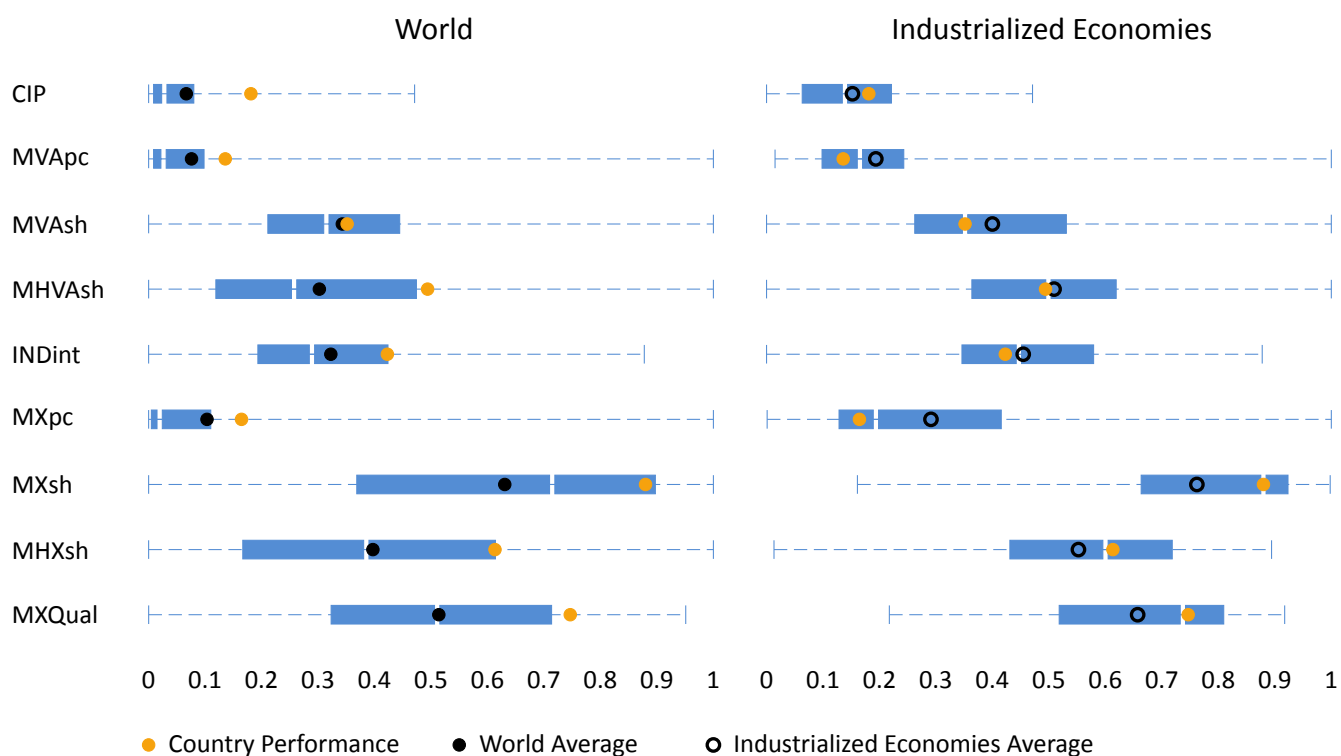


Performance indexes

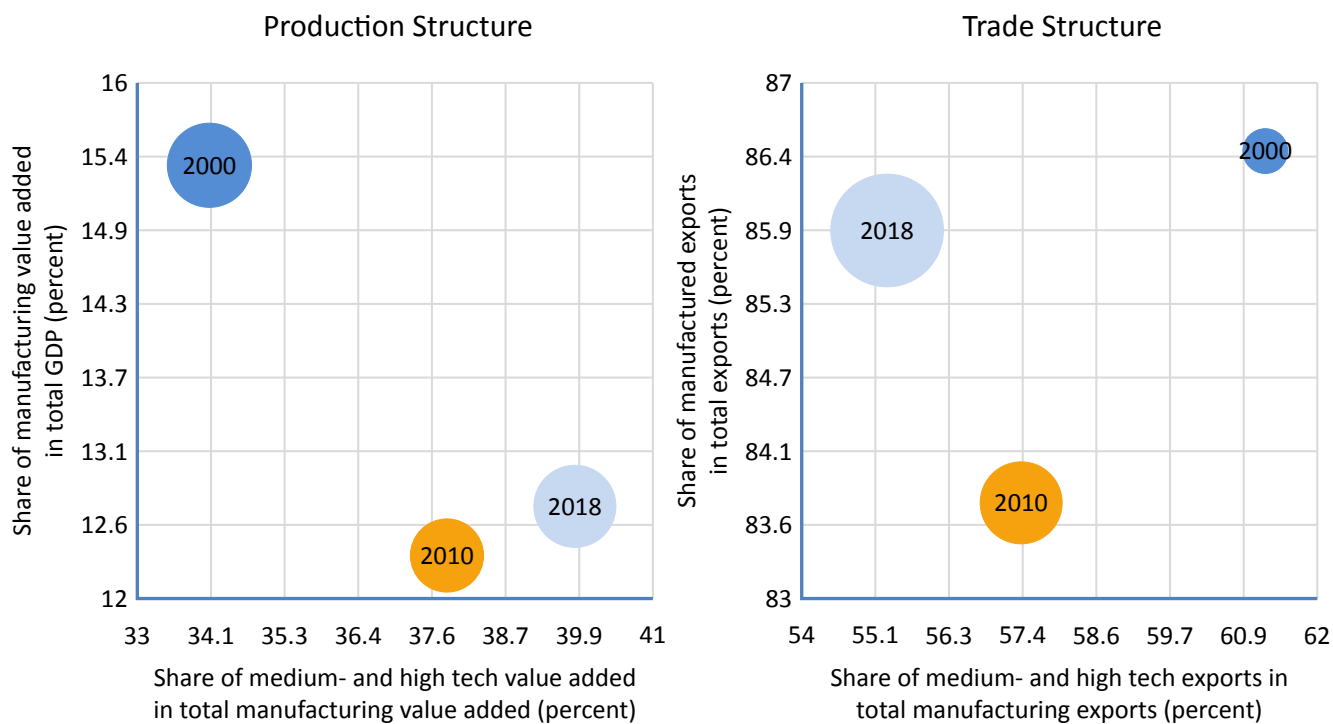
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	18	0.181	0.067	19 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	31	0.136	0.076	31	
Share of Manufacturing Value Added in GDP Index	60	0.351	0.343	61	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	34	0.494	0.302	34	
Industrialization Intensity Index	39	0.423	0.323	38	
Share of World Manufacturing Value Added Index	16	0.043	0.023	16	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	32	0.164	0.103	28	
Share of Manufacturing Exports in Total Exports Index	45	0.880	0.631	58	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	39	0.613	0.397	34	
Index Industrial Export Quality Index	33	0.747	0.514	33	
Share in World Manufacturing Export Index	13	0.117	0.039	13	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Sri Lanka

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 75
(index of 152 countries)

Score **0.028**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

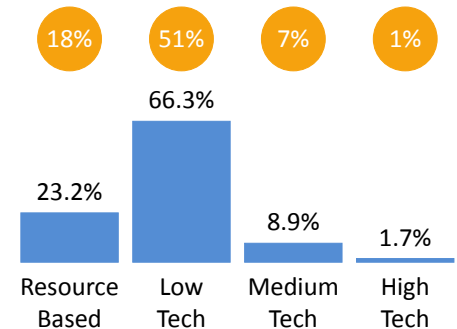
GDP: 89.8 billion | 4,229 per capita

Manufacturing value added: 14.6 billion | 686 per capita

Manufacturing exports: 8,702 million | 412 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

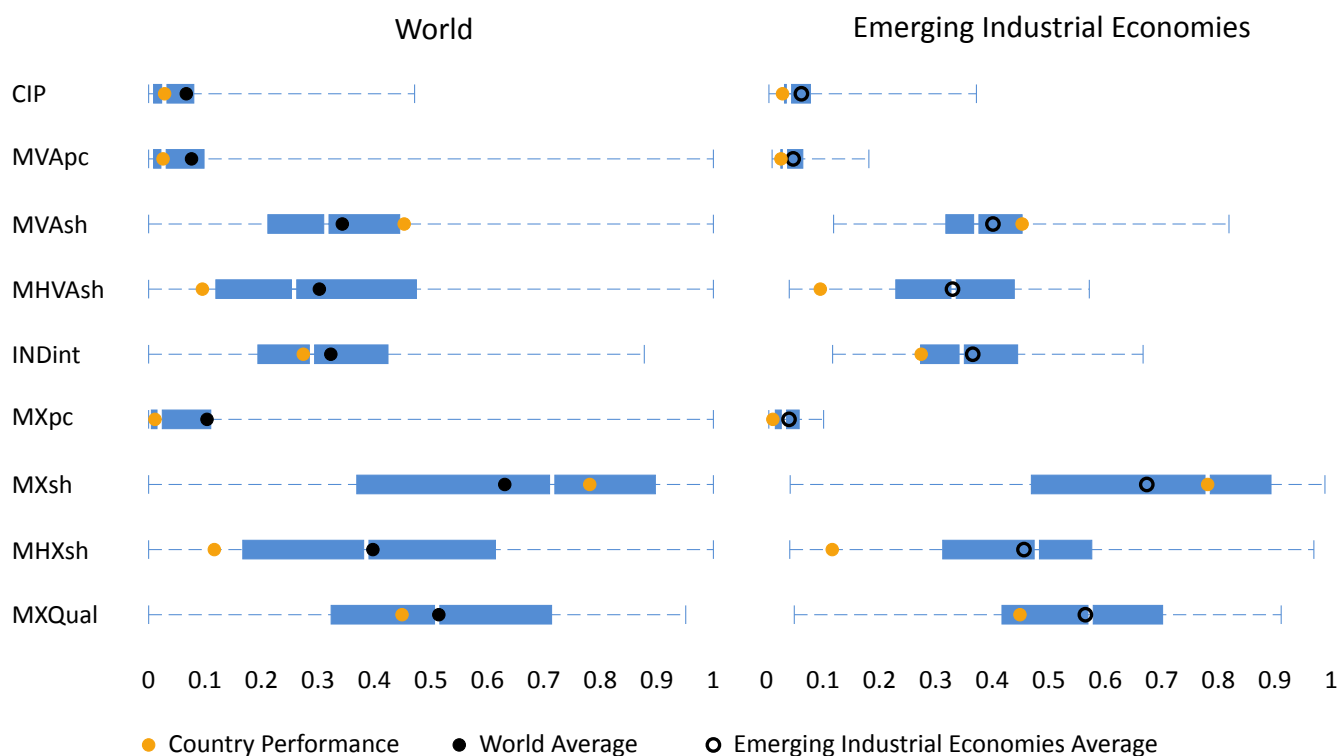


Performance indexes

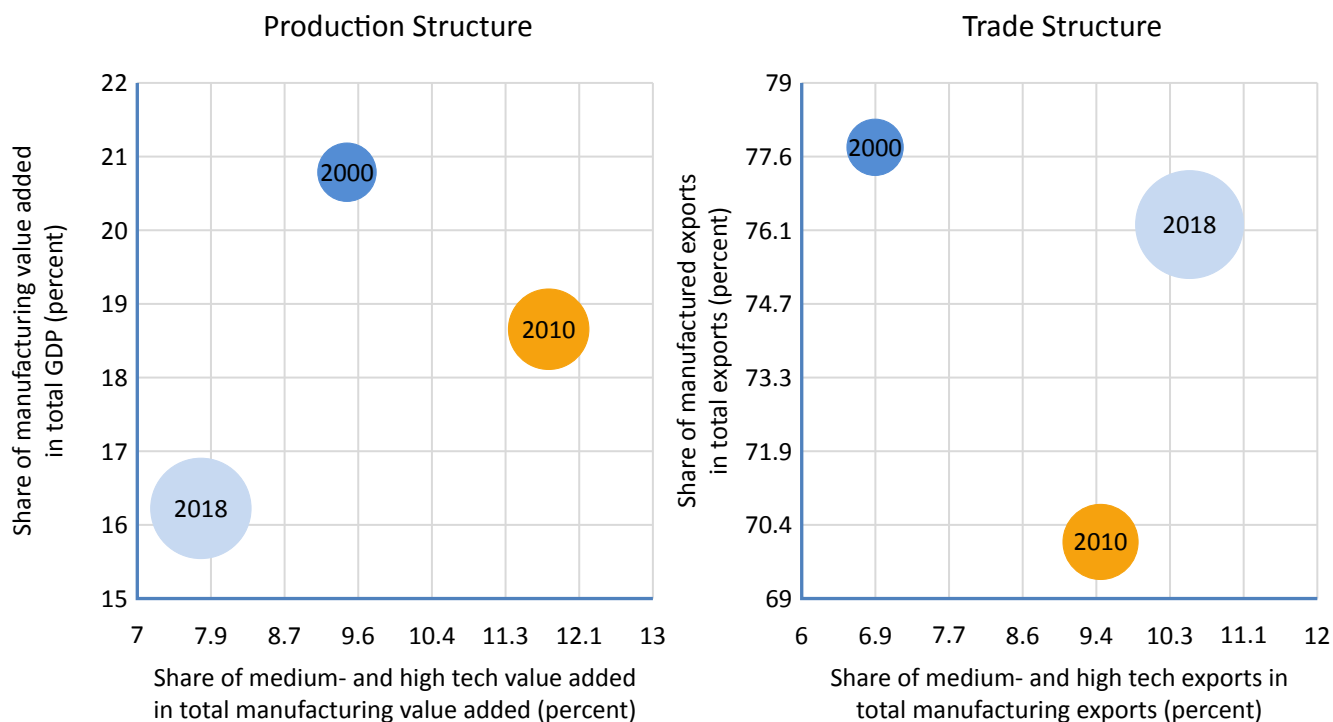
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	75	0.028	0.067	75 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	78	0.026	0.076	80	
Share of Manufacturing Value Added in GDP Index	36	0.452	0.343	36	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	120	0.095	0.302	118	
Industrialization Intensity Index	83	0.274	0.323	84	
Share of World Manufacturing Value Added Index	60	0.004	0.023	61	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	95	0.011	0.103	94	
Share of Manufacturing Exports in Total Exports Index	68	0.781	0.631	68	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	126	0.116	0.397	125	
Index Industrial Export Quality Index	87	0.449	0.514	85	
Share in World Manufacturing Export Index	74	0.004	0.039	73	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

State of Palestine

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 112
(index of 152 countries)

Score **0.01**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

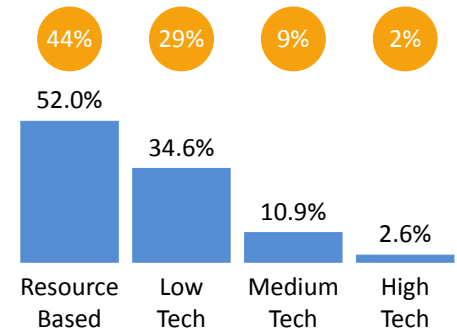
GDP: 13.7 billion | 2,814 per capita

Manufacturing value added: 1,417 million | 292 per capita

Manufacturing exports: 970.2 million | 200 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

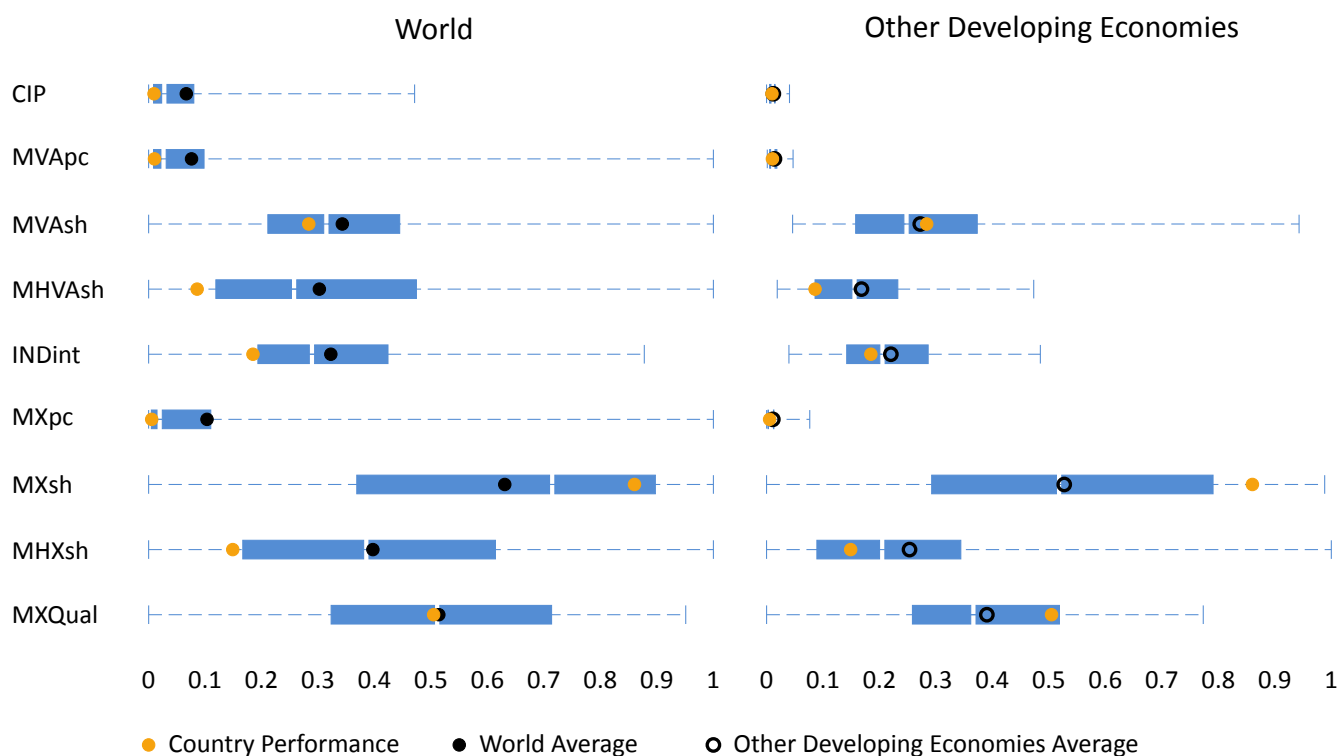


Performance indexes

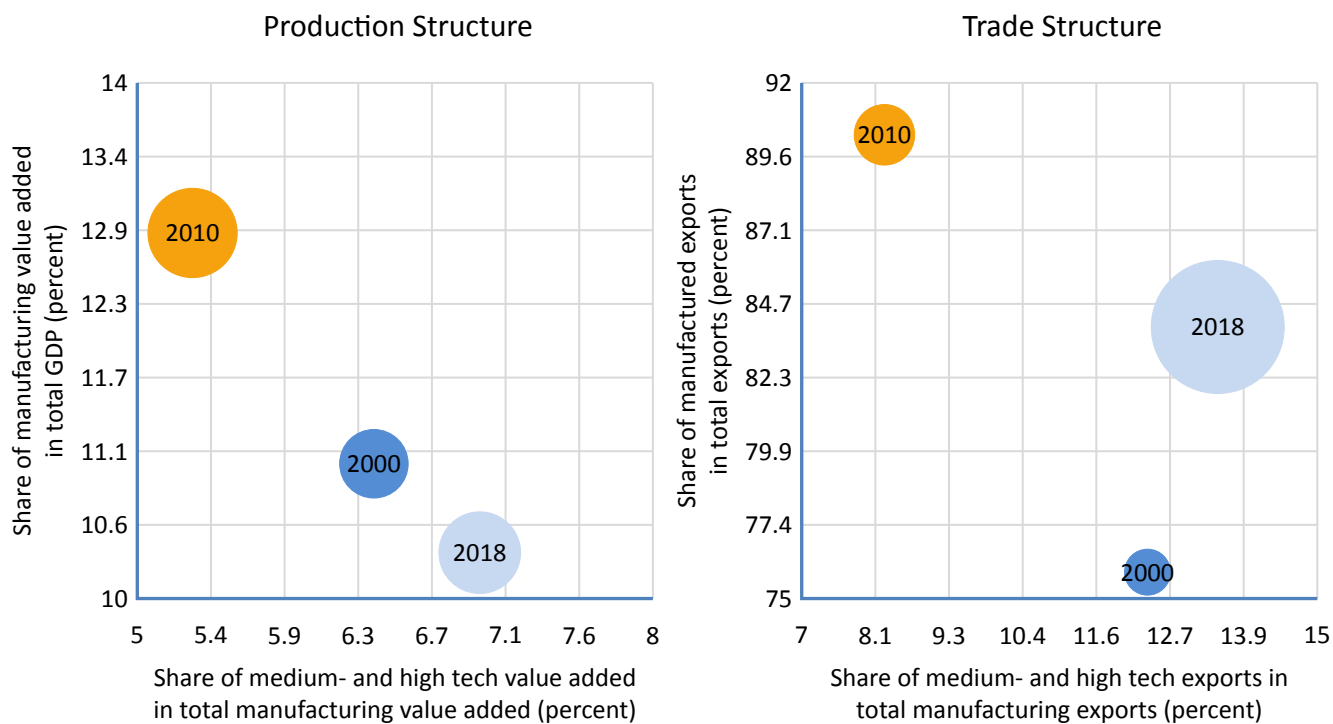
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	112	0.010	0.067	111 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	106	0.010	0.076	104	
Share of Manufacturing Value Added in GDP Index	94	0.284	0.343	89	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	126	0.086	0.302	125	
Industrialization Intensity Index	120	0.185	0.323	116	
Share of World Manufacturing Value Added Index	112	0.000	0.023	111	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	112	0.005	0.103	111	
Share of Manufacturing Exports in Total Exports Index	54	0.860	0.631	51	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	119	0.149	0.397	122	
Index Industrial Export Quality Index	80	0.505	0.514	76	
Share in World Manufacturing Export Index	124	0.000	0.039	122	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Suriname

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 131
(index of 152 countries)

Score **0.004**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

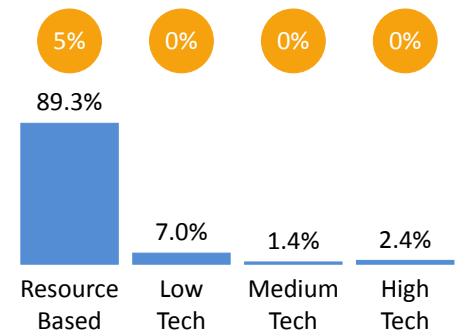
GDP: 4,637 million | 8,051 per capita

Manufacturing value added: 486.7 million | 845 per capita

Manufacturing exports: 85.1 million | 148 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

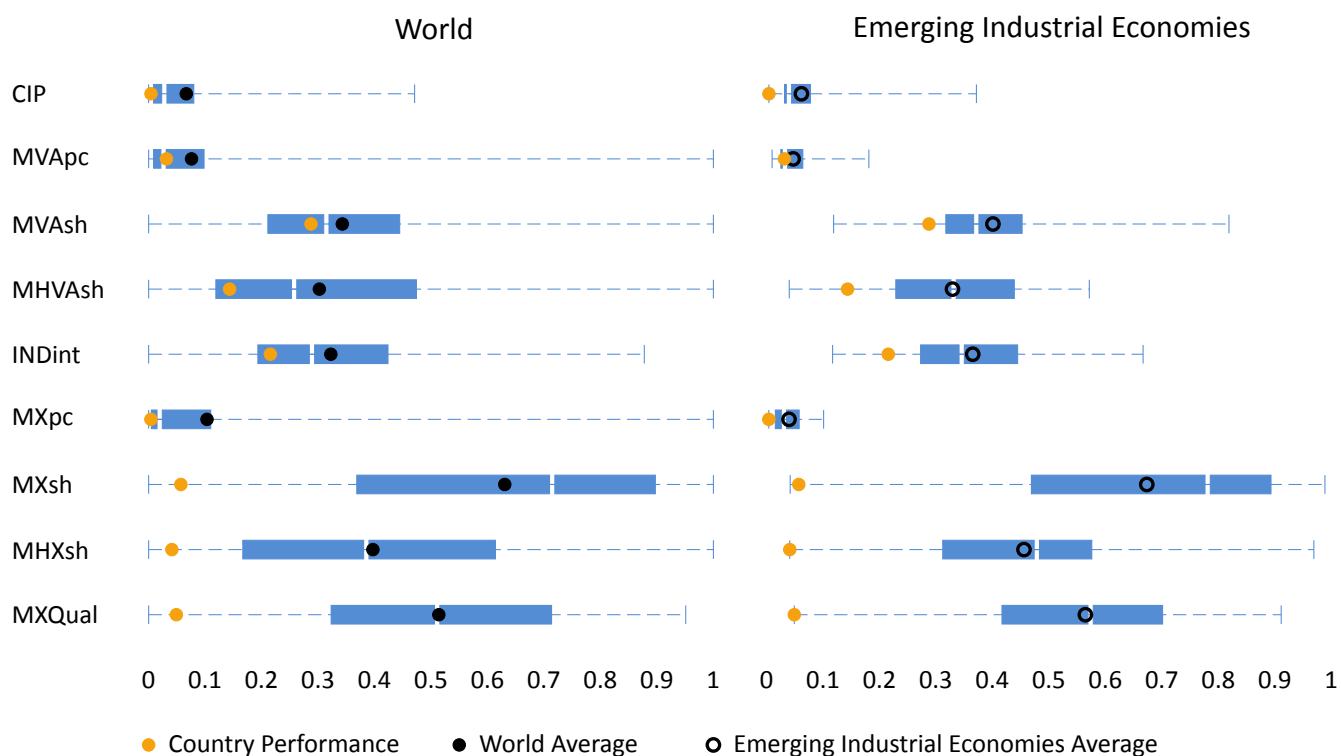


Performance indexes

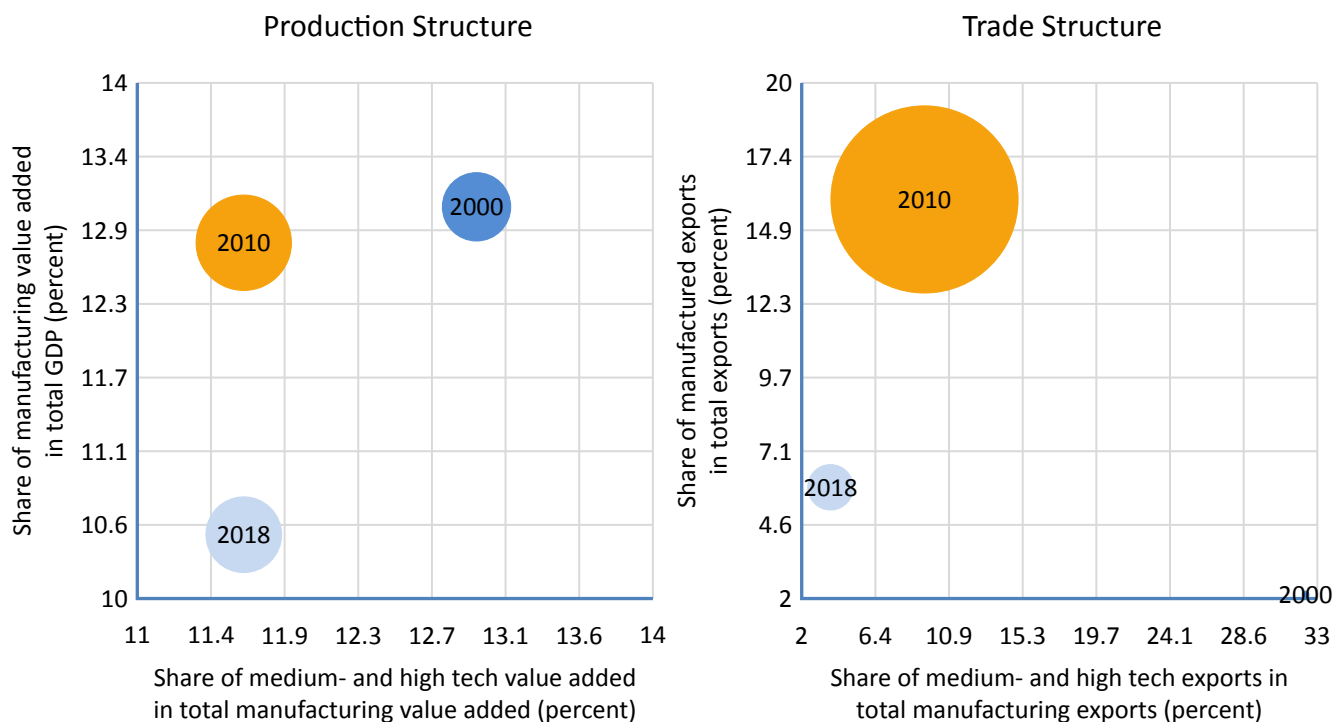
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	131	0.004	0.067	129 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	69	0.032	0.076	69	
Share of Manufacturing Value Added in GDP Index	90	0.288	0.343	88	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	105	0.143	0.302	105	
Industrialization Intensity Index	104	0.216	0.323	105	
Share of World Manufacturing Value Added Index	136	0.000	0.023	136	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	116	0.004	0.103	117	
Share of Manufacturing Exports in Total Exports Index	148	0.057	0.631	149	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	142	0.041	0.397	135	
Index Industrial Export Quality Index	150	0.049	0.514	149	
Share in World Manufacturing Export Index	143	0.000	0.039	143	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Sweden

Europe
Industrialized Economies
High Income

RANK 17
(index of 152 countries)

Score **0.195**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

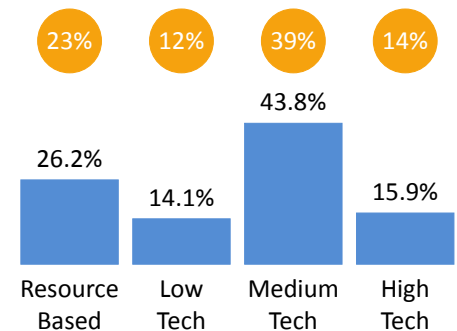
GDP: 534.4 billion | 53,591 per capita

Manufacturing value added: 75.1 billion | 7,526 per capita

Manufacturing exports: 147.0 billion | 14,738 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

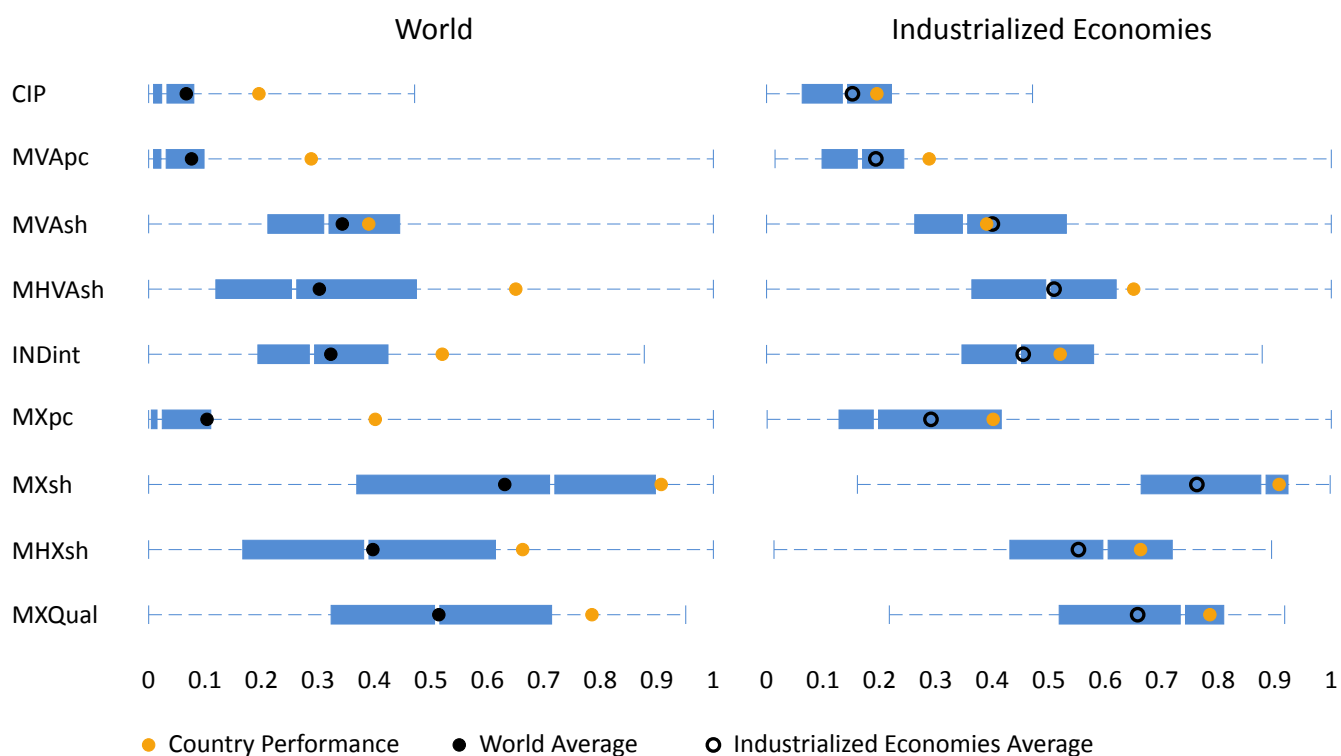


Performance indexes

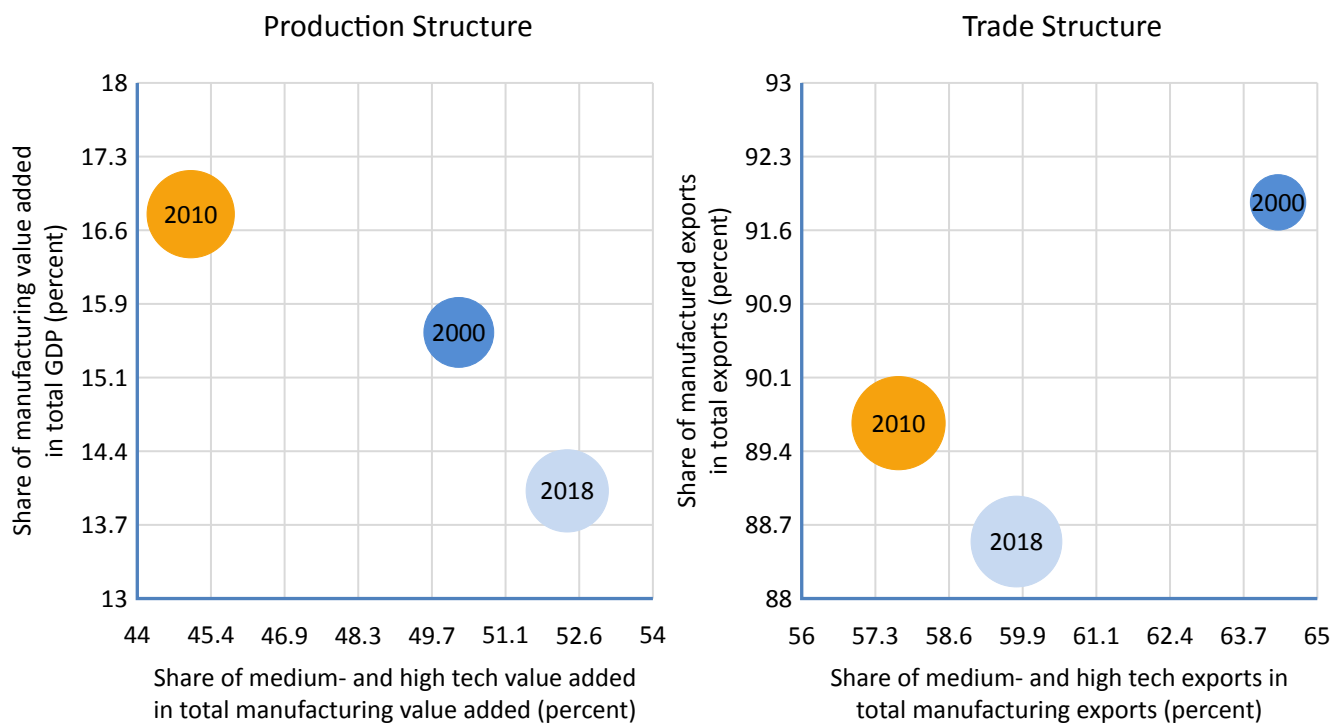
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	17	0.195	0.067	17 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	8	0.288	0.076	8	
Share of Manufacturing Value Added in GDP Index	53	0.390	0.343	53	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	11	0.650	0.302	10	
Industrialization Intensity Index	19	0.520	0.323	19	
Share of World Manufacturing Value Added Index	26	0.019	0.023	27	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	13	0.401	0.103	13	
Share of Manufacturing Exports in Total Exports Index	34	0.908	0.631	32	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	29	0.662	0.397	27	
Index Industrial Export Quality Index	22	0.785	0.514	23	
Share in World Manufacturing Export Index	27	0.061	0.039	25	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Switzerland

Europe
Industrialized Economies
High Income

RANK 7
(index of 152 countries)

Score **0.302**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

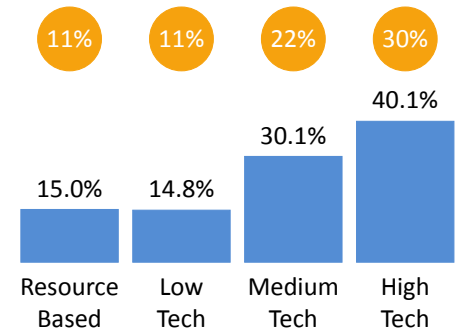
GDP: 721.2 billion | 84,596 per capita

Manufacturing value added: 135.6 billion | 15,907 per capita

Manufacturing exports: 229.6 billion | 26,932 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

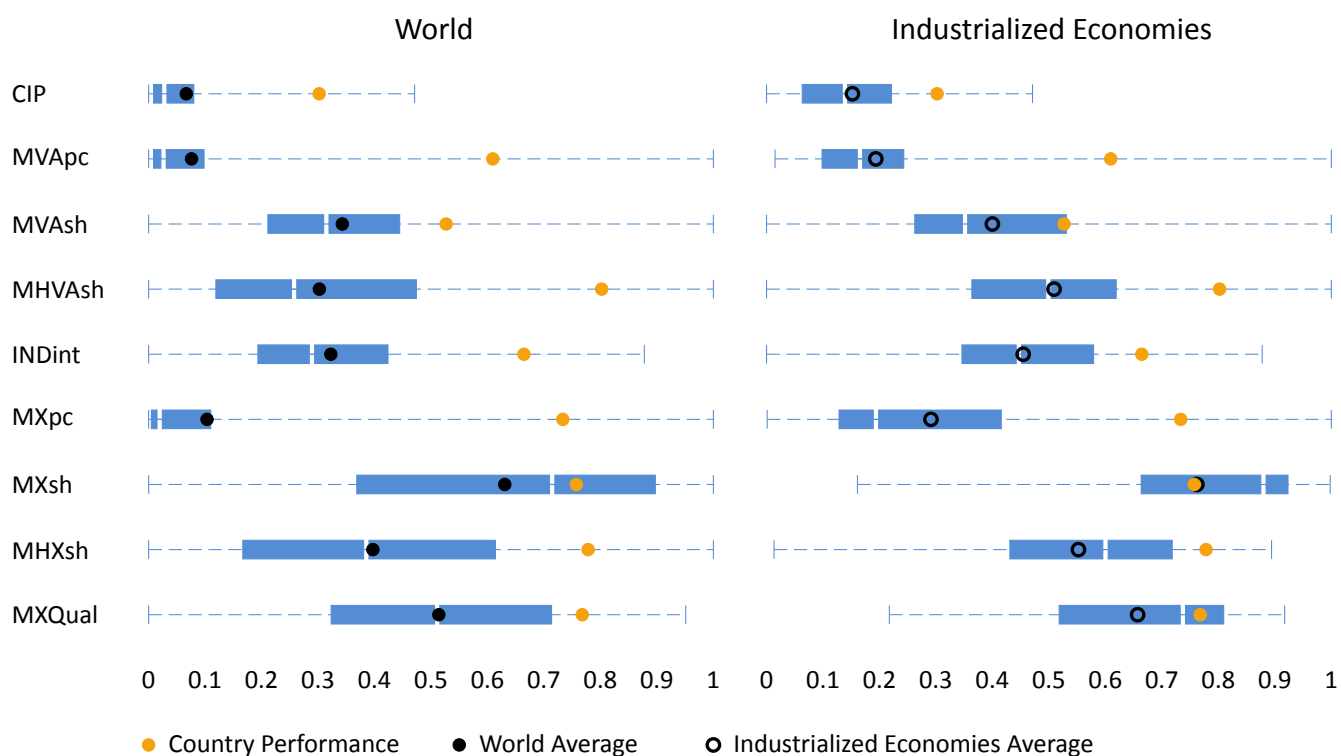


Performance indexes

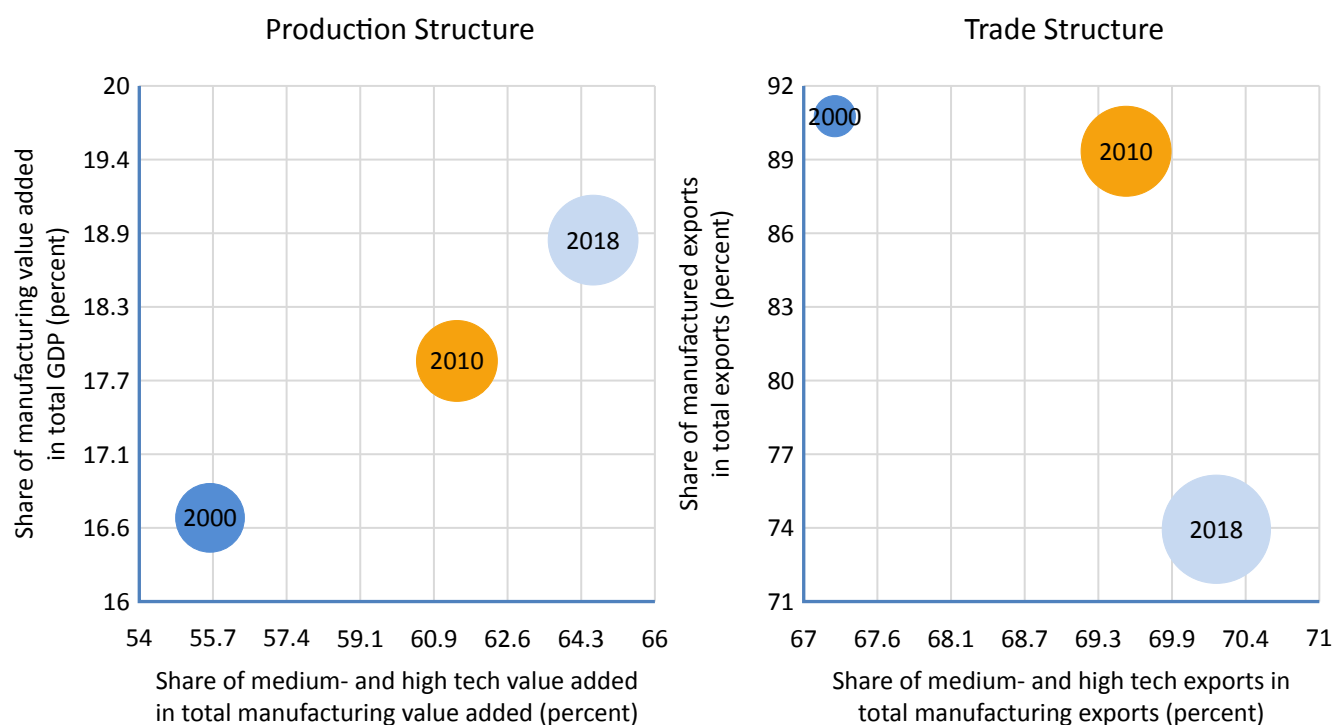
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	7	0.302	0.067	7 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	2	0.609	0.076	2	
Share of Manufacturing Value Added in GDP Index	25	0.527	0.343	25	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	3	0.802	0.302	4	
Industrialization Intensity Index	8	0.664	0.323	8	
Share of World Manufacturing Value Added Index	18	0.035	0.023	18	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	5	0.733	0.103	4	
Share of Manufacturing Exports in Total Exports Index	72	0.757	0.631	72	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	14	0.778	0.397	12	
Index Industrial Export Quality Index	26	0.768	0.514	27	
Share in World Manufacturing Export Index	17	0.095	0.039	16	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Syrian Arab Republic

Asia and Pacific
Other Developing Economies
Low Income

RANK 116
(index of 152 countries)

Score **0.008**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

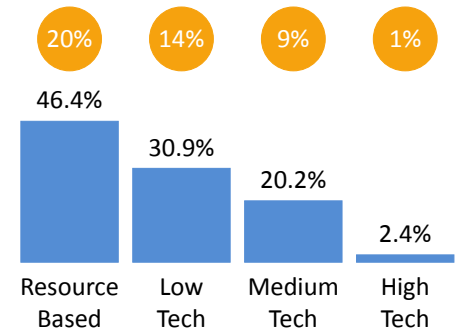
GDP: 18.7 billion | 1,102 per capita

Manufacturing value added: 932.1 million | 55.0 per capita

Manufacturing exports: 4,980 million | 233 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

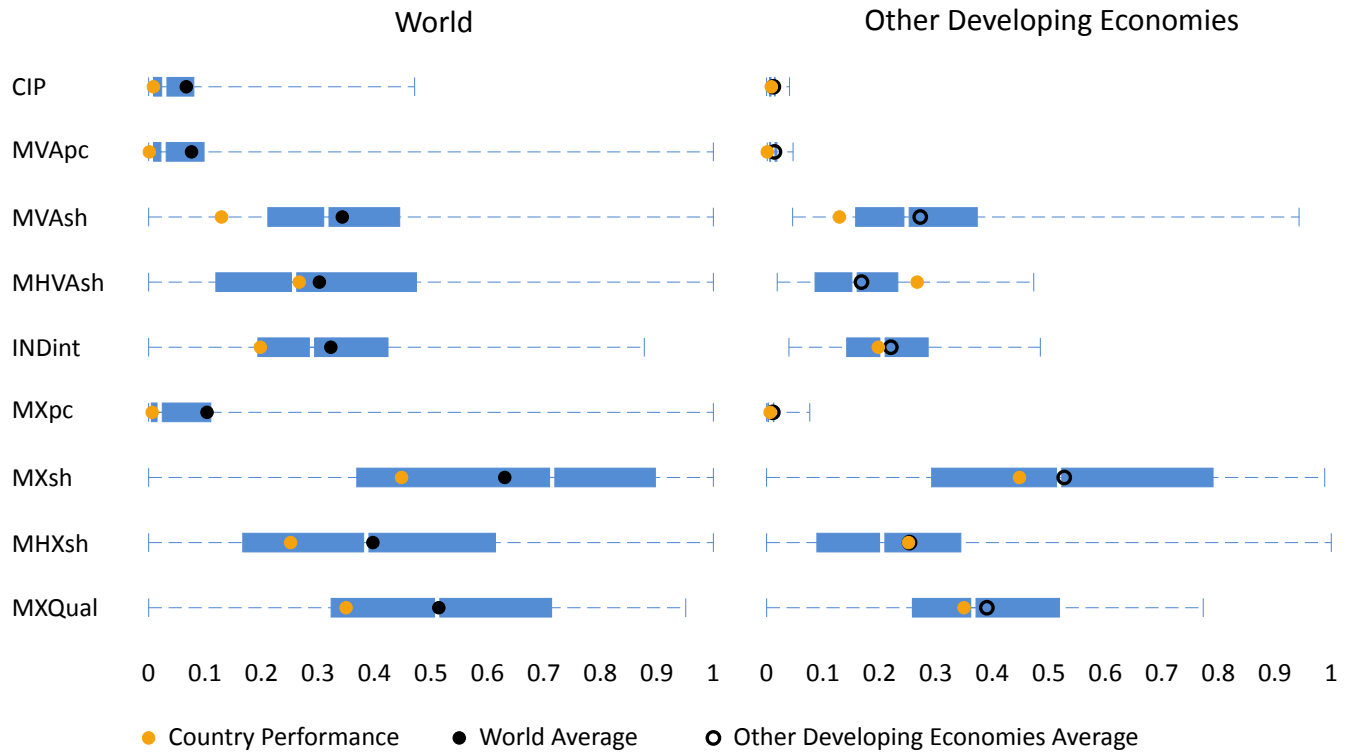


Performance indexes

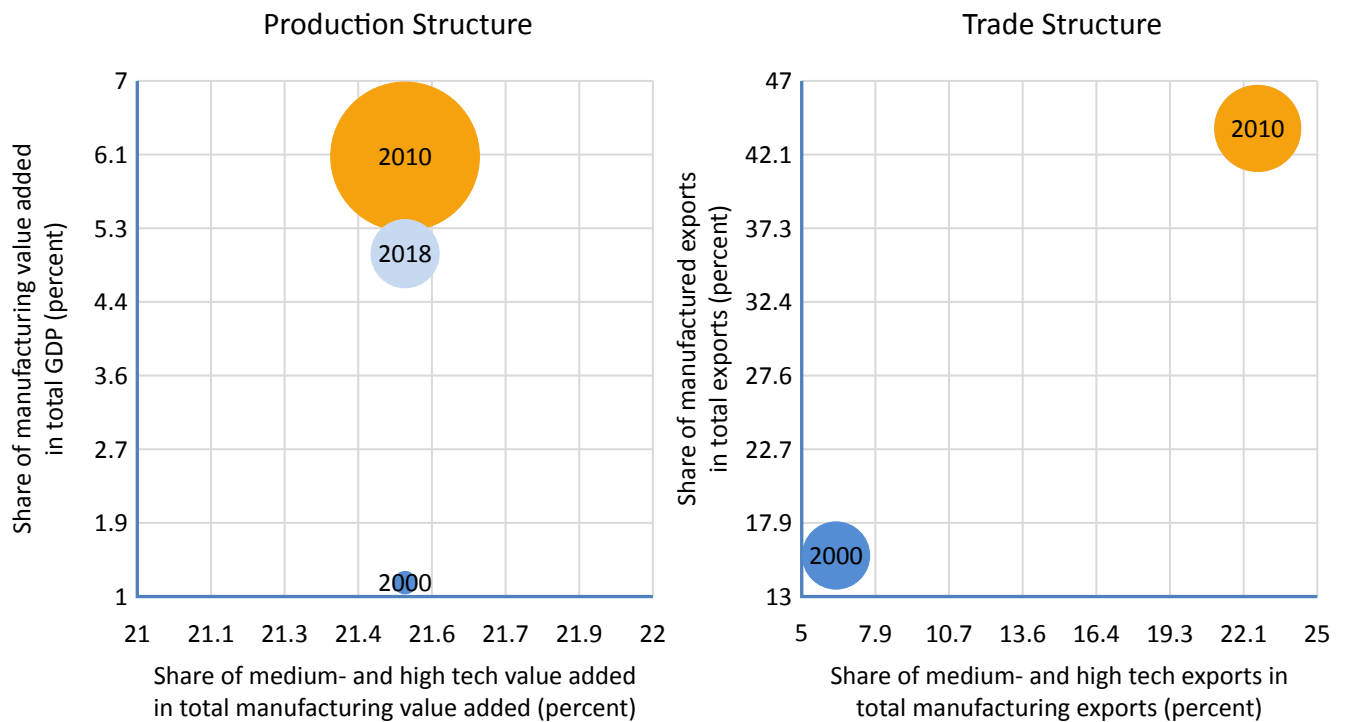
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	116	0.008	0.067	117 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	142	0.001	0.076	142	
Share of Manufacturing Value Added in GDP Index	138	0.129	0.343	140	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	75	0.267	0.302	76	
Industrialization Intensity Index	109	0.198	0.323	114	
Share of World Manufacturing Value Added Index	125	0.000	0.023	125	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	110	0.006	0.103	108	
Share of Manufacturing Exports in Total Exports Index	103	0.448	0.631	104	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	99	0.251	0.397	100	
Index Industrial Export Quality Index	107	0.350	0.514	106	
Share in World Manufacturing Export Index	80	0.003	0.039	79	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Tajikistan

Asia and Pacific
Other Developing Economies
Low Income

RANK 129
(index of 152 countries)

Score **0.005**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

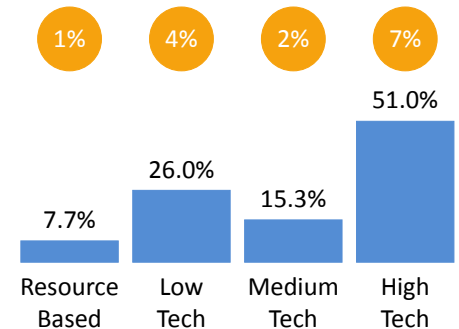
GDP: 9,652 million | 1,060 per capita

Manufacturing value added: 1,596 million | 175 per capita

Manufacturing exports: 95.7 million | 15.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

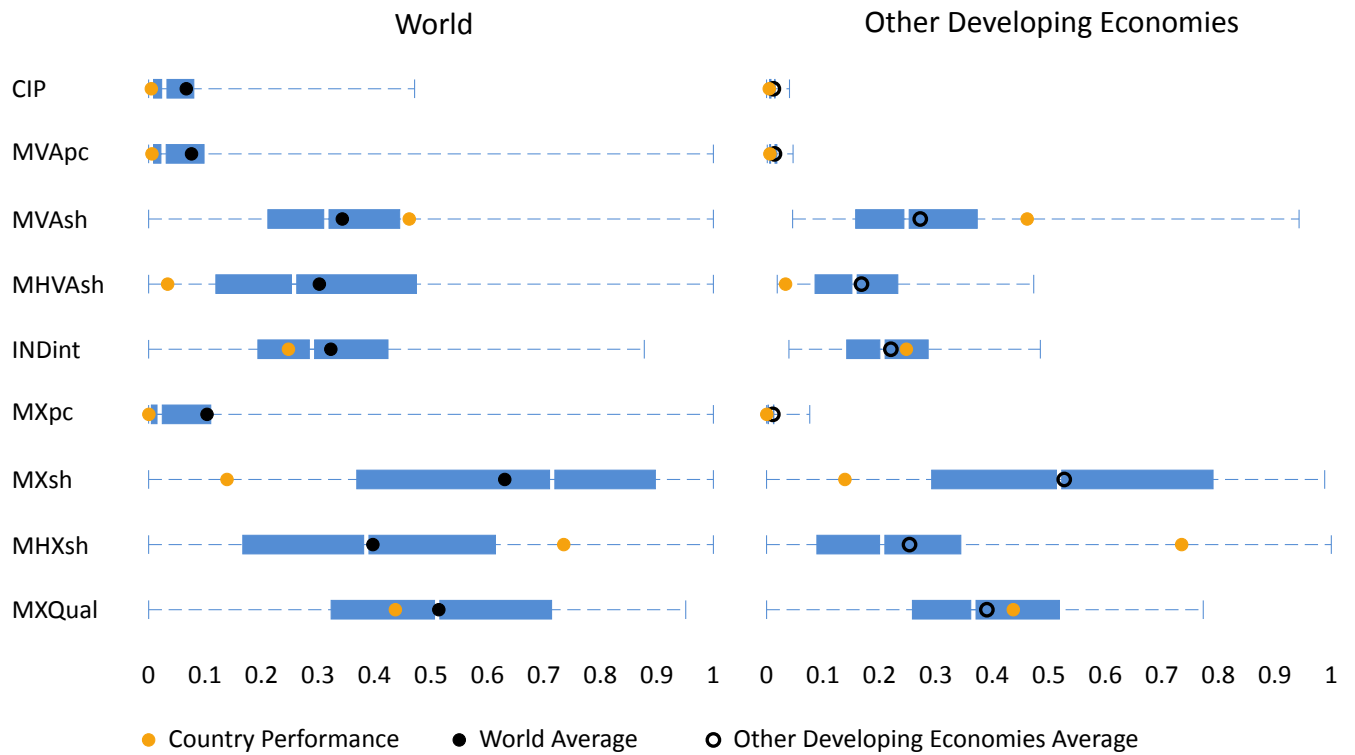


Performance indexes

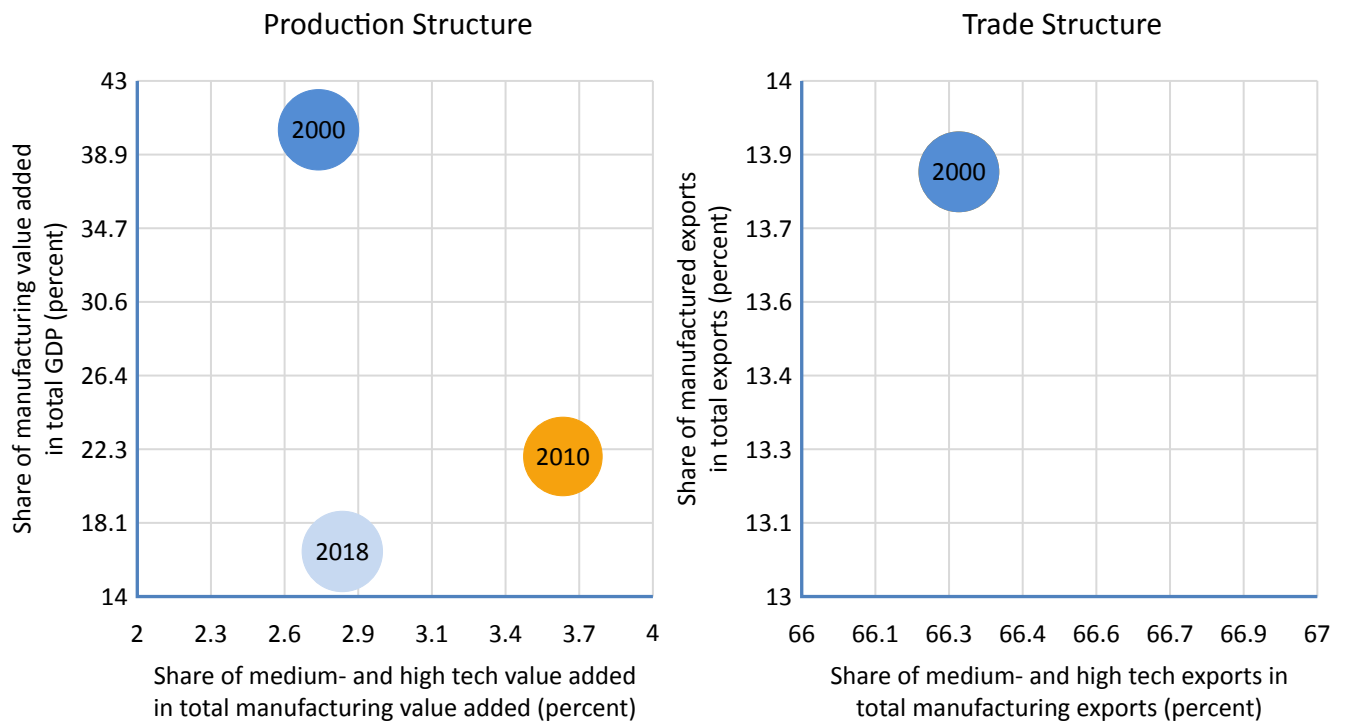
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	129	0.005	0.067	127 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	128	0.006	0.076	130	
Share of Manufacturing Value Added in GDP Index	35	0.461	0.343	34	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	143	0.034	0.302	142	
Industrialization Intensity Index	92	0.248	0.323	92	
Share of World Manufacturing Value Added Index	109	0.000	0.023	110	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	142	0.000	0.103	140	
Share of Manufacturing Exports in Total Exports Index	143	0.139	0.631	141	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	16	0.735	0.397	15	
Index Industrial Export Quality Index	91	0.437	0.514	89	
Share in World Manufacturing Export Index	131	0.000	0.039	132	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Thailand

Asia and Pacific
Emerging Industrial Economies
Upper Middle Income

RANK 24
(index of 152 countries)

Score **0.142**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

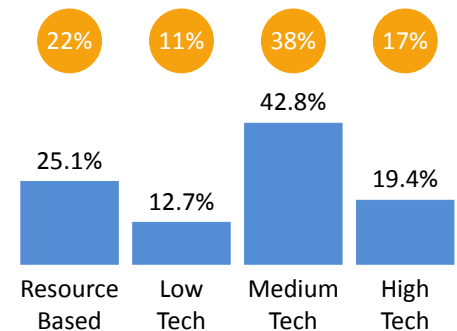
GDP: 448.6 billion | 6,461 per capita

Manufacturing value added: 120.0 billion | 1,728 per capita

Manufacturing exports: 223.9 billion | 3,225 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

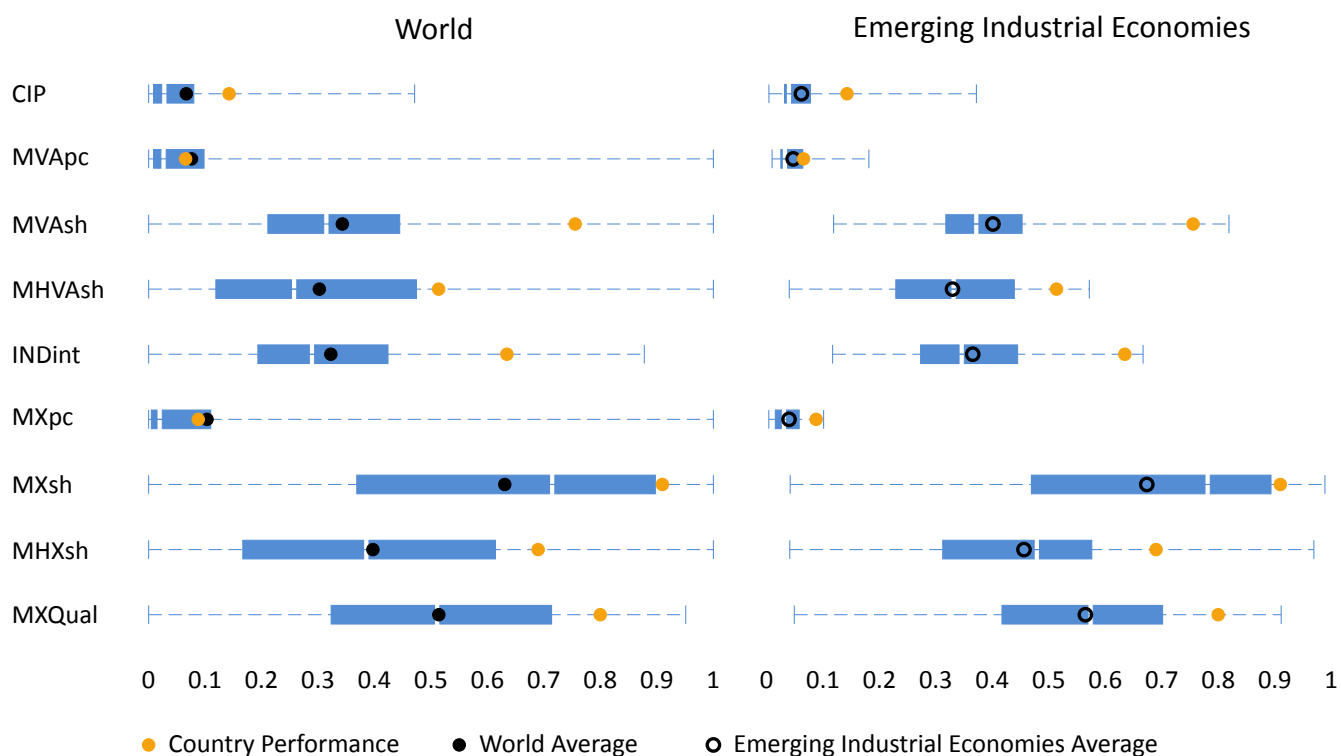


Performance indexes

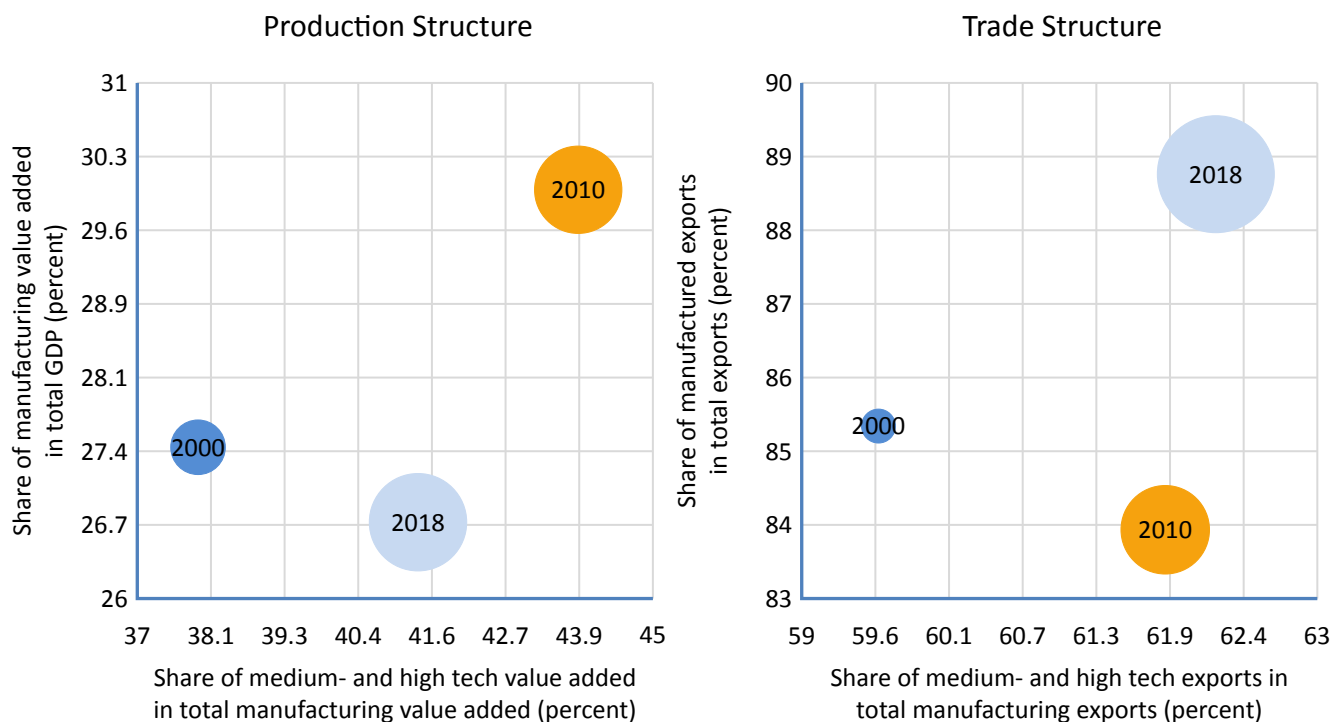
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	24	0.142	0.067	24 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	49	0.065	0.076	51	
Share of Manufacturing Value Added in GDP Index	6	0.755	0.343	6	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	30	0.513	0.302	31	
Industrialization Intensity Index	11	0.634	0.323	11	
Share of World Manufacturing Value Added Index	20	0.031	0.023	19	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	44	0.088	0.103	44	
Share of Manufacturing Exports in Total Exports Index	33	0.910	0.631	36	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	25	0.690	0.397	23	
Index Industrial Export Quality Index	20	0.800	0.514	20	
Share in World Manufacturing Export Index	18	0.093	0.039	17	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Tonga

Asia and Pacific
Other Developing Economies
Upper Middle Income

RANK 152

(index of 152 countries)

Score **0**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

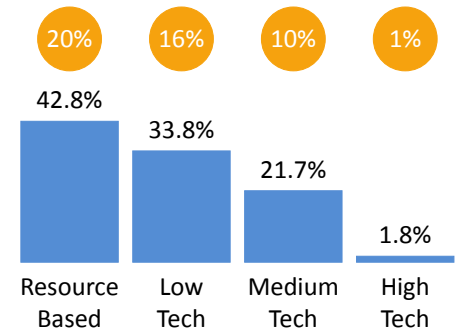
GDP: 432.9 million | 4,194 per capita

Manufacturing value added: 26.4 million | 256 per capita

Manufacturing exports: 1.7 million | 17.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

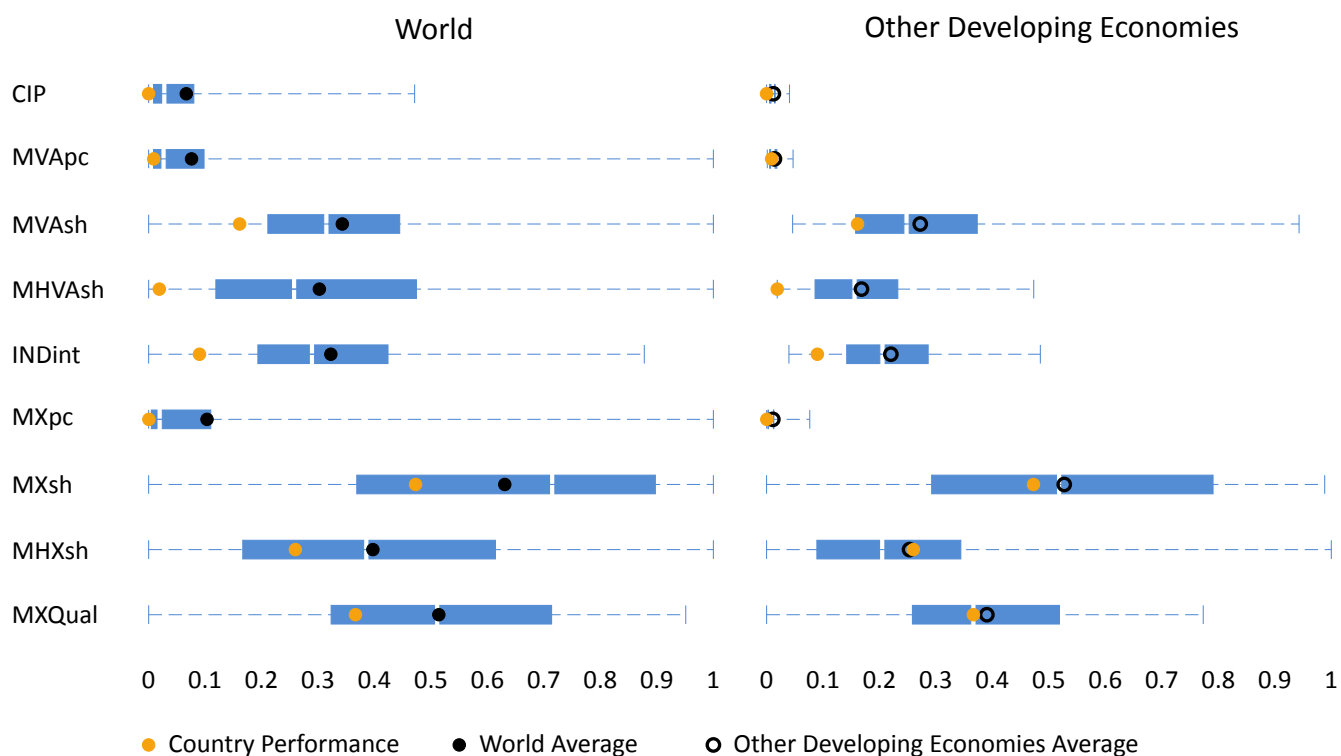


Performance indexes

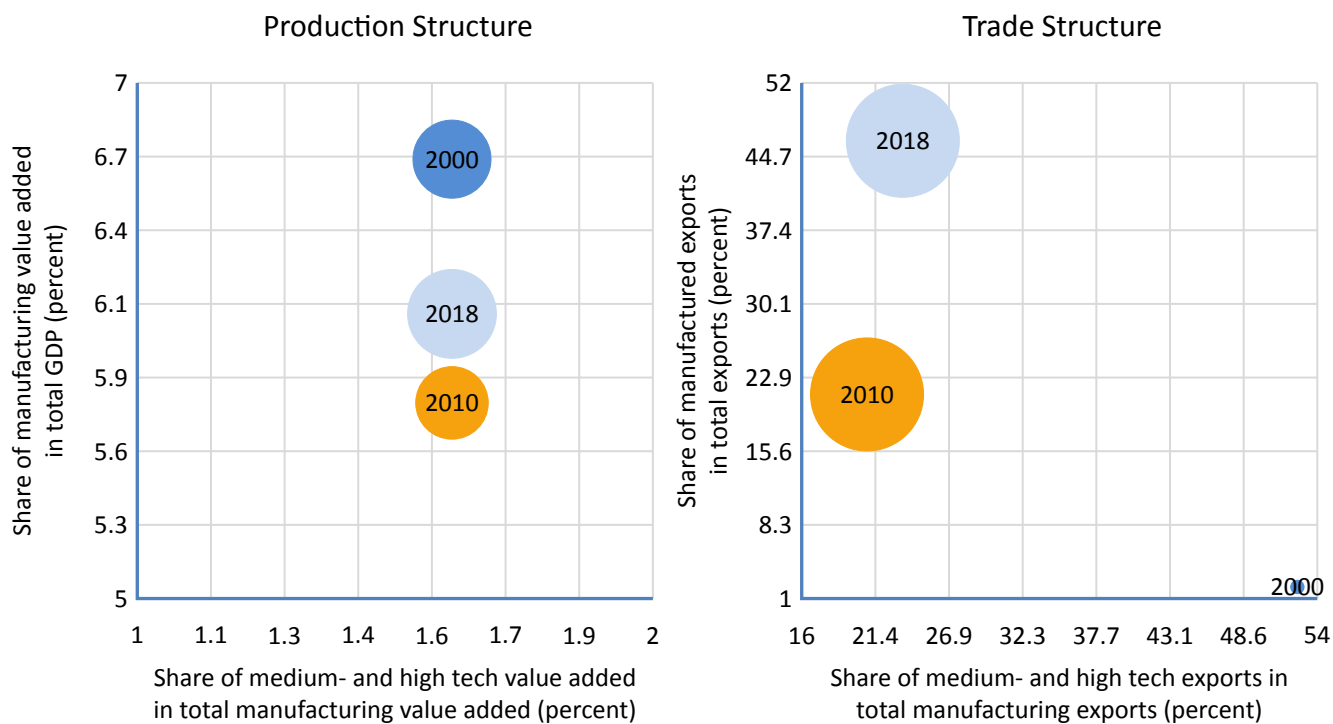
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	152	0.000	0.067	152 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	113	0.009	0.076	113	
Share of Manufacturing Value Added in GDP Index	128	0.161	0.343	128	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	150	0.019	0.302	150	
Industrialization Intensity Index	147	0.090	0.323	146	
Share of World Manufacturing Value Added Index	152	0.000	0.023	152	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	141	0.000	0.103	139	
Share of Manufacturing Exports in Total Exports Index	101	0.473	0.631	100	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	97	0.260	0.397	99	
Index Industrial Export Quality Index	103	0.366	0.514	102	
Share in World Manufacturing Export Index	152	0.000	0.039	152	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Trinidad and Tobago

Latin America
Industrialized Economies
High Income

RANK 59
(index of 152 countries)

Score **0.043**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

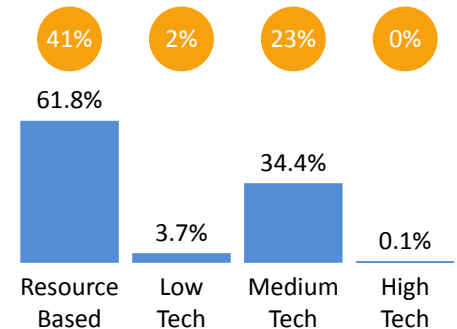
GDP: 22.5 billion | 16,177 per capita

Manufacturing value added: 3,253 million | 2,340 per capita

Manufacturing exports: 6,239 million | 4,553 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

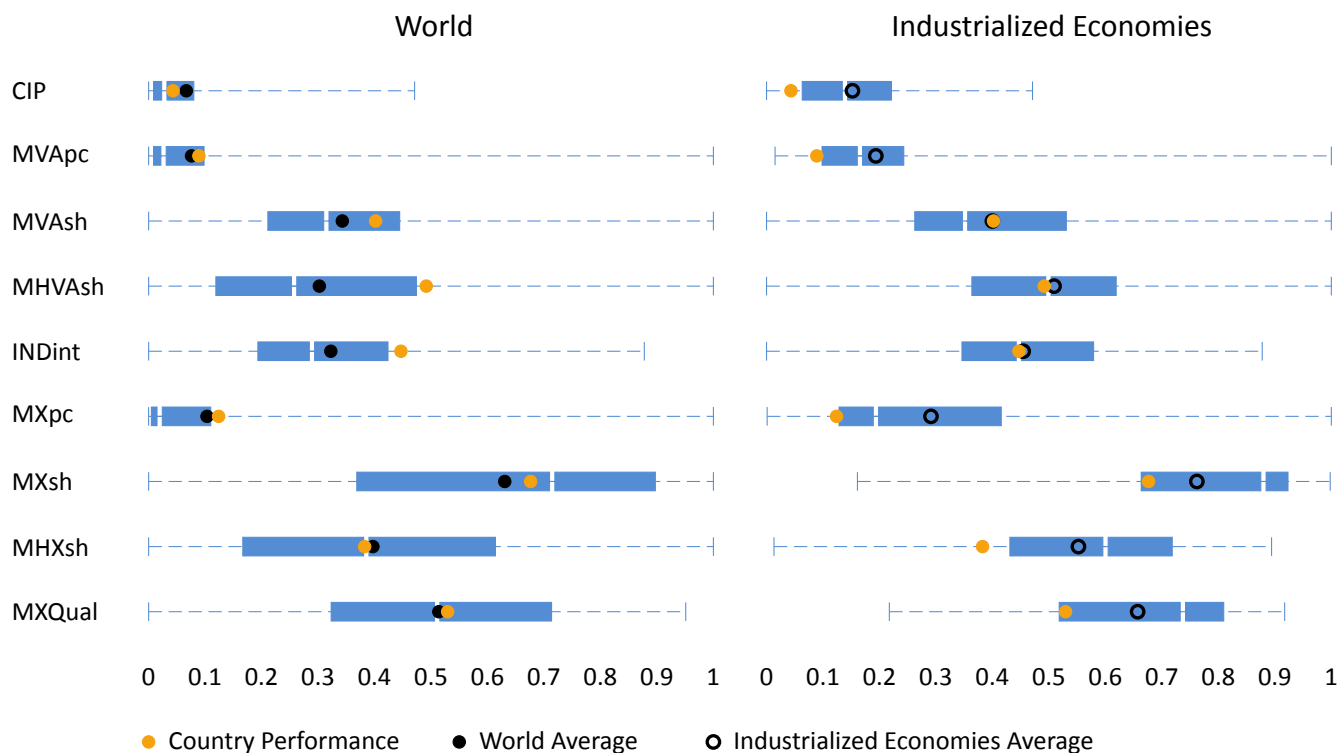


Performance indexes

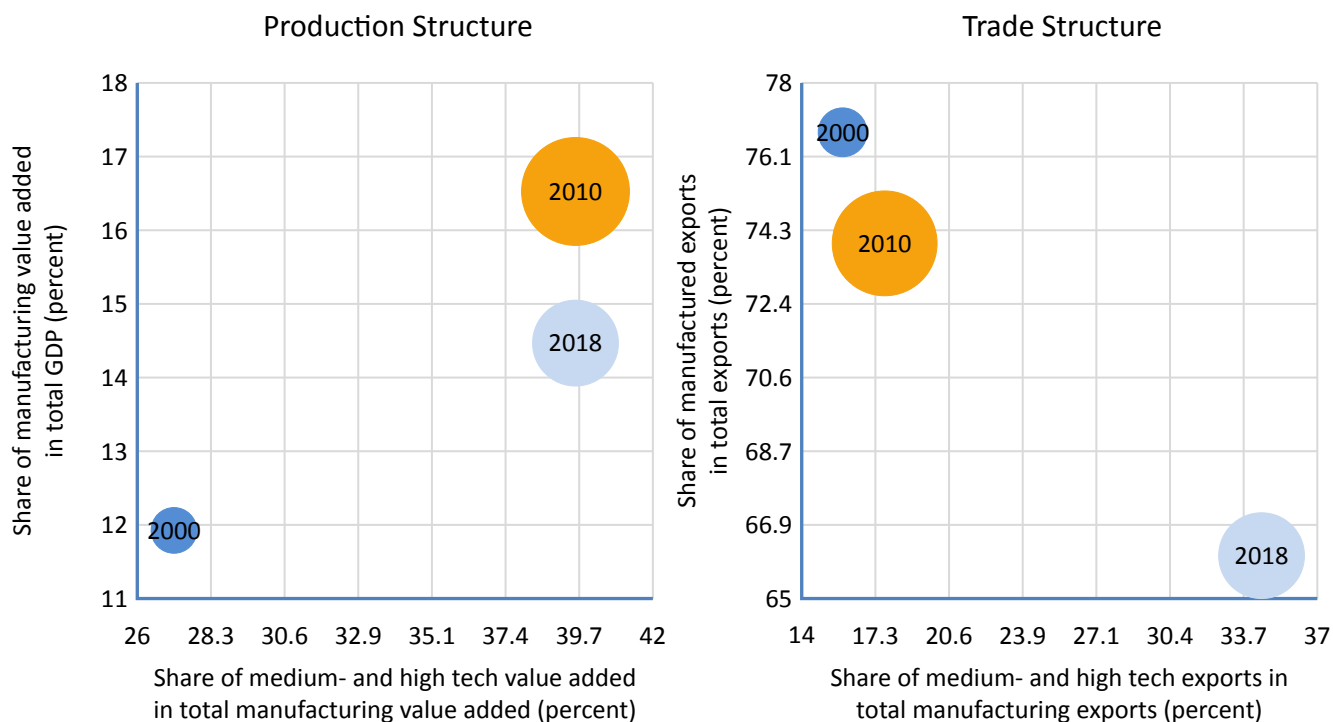
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	59	0.043	0.067	59 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	41	0.089	0.076	42	
Share of Manufacturing Value Added in GDP Index	49	0.402	0.343	50	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	35	0.492	0.302	36	
Industrialization Intensity Index	34	0.447	0.323	35	
Share of World Manufacturing Value Added Index	96	0.001	0.023	95	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	37	0.124	0.103	34	
Share of Manufacturing Exports in Total Exports Index	81	0.676	0.631	81	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	78	0.382	0.397	75	
Index Industrial Export Quality Index	71	0.529	0.514	68	
Share in World Manufacturing Export Index	78	0.003	0.039	77	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Tunisia

Africa
Emerging Industrial Economies
Lower Middle Income

RANK 67
(index of 152 countries)

Score **0.035**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

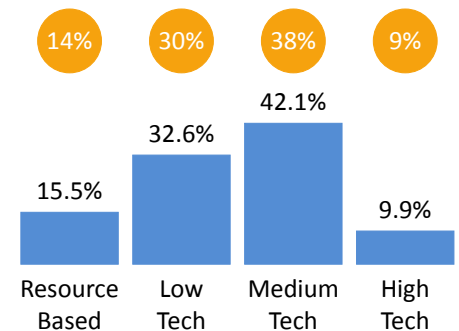
GDP: 45.5 billion | 3,938 per capita

Manufacturing value added: 6,825 million | 590 per capita

Manufacturing exports: 12.9 billion | 1,130 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

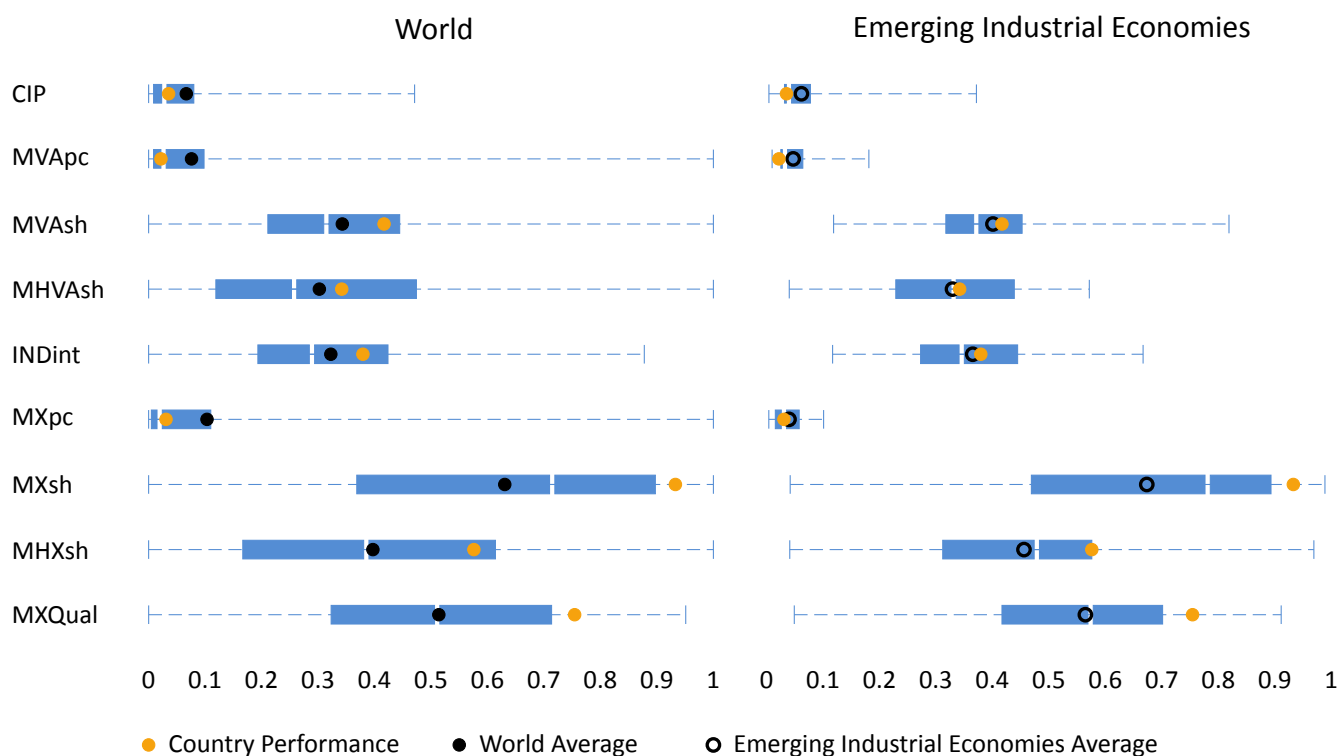


Performance indexes

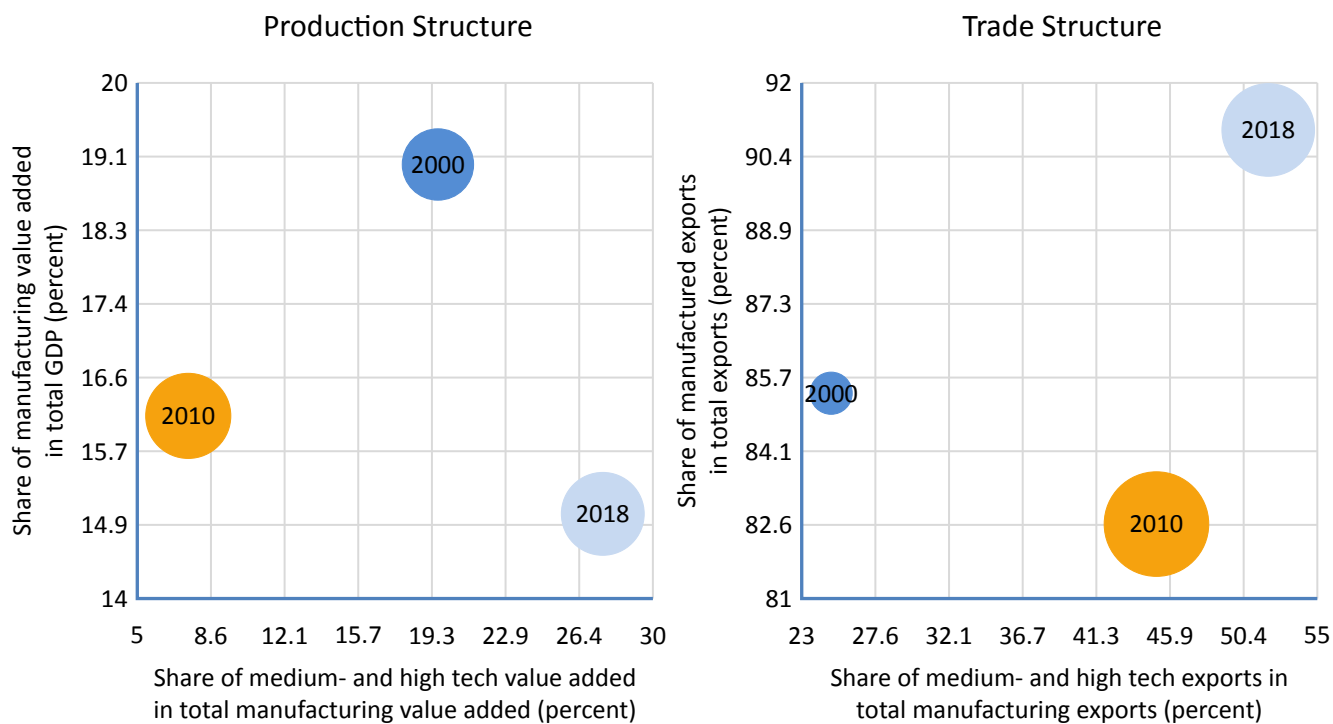
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	67	0.035	0.067	67 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	84	0.022	0.076	84	
Share of Manufacturing Value Added in GDP Index	47	0.417	0.343	47	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	57	0.342	0.302	62	
Industrialization Intensity Index	49	0.379	0.323	50	
Share of World Manufacturing Value Added Index	77	0.002	0.023	77	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	65	0.031	0.103	65	
Share of Manufacturing Exports in Total Exports Index	20	0.933	0.631	21	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	45	0.576	0.397	41	
Index Industrial Export Quality Index	29	0.754	0.514	28	
Share in World Manufacturing Export Index	62	0.006	0.039	63	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Turkey

Europe
Emerging Industrial Economies
Upper Middle Income

RANK 29
(index of 152 countries)

Score **0.121**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

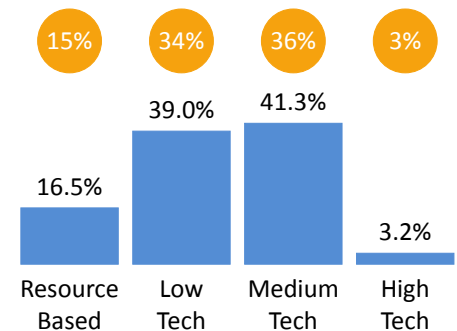
GDP: 980.1 billion | 11,903 per capita

Manufacturing value added: 167.3 billion | 2,032 per capita

Manufacturing exports: 148.4 billion | 1,802 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

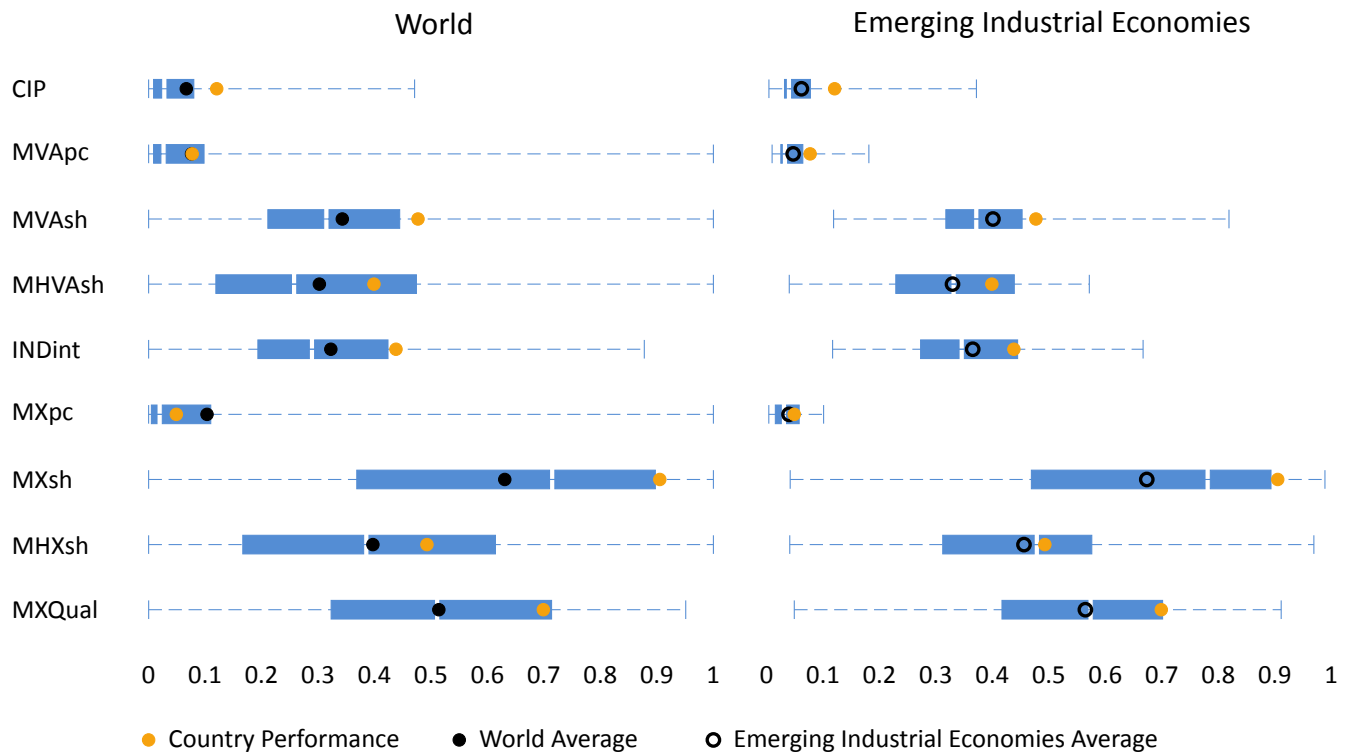


Performance indexes

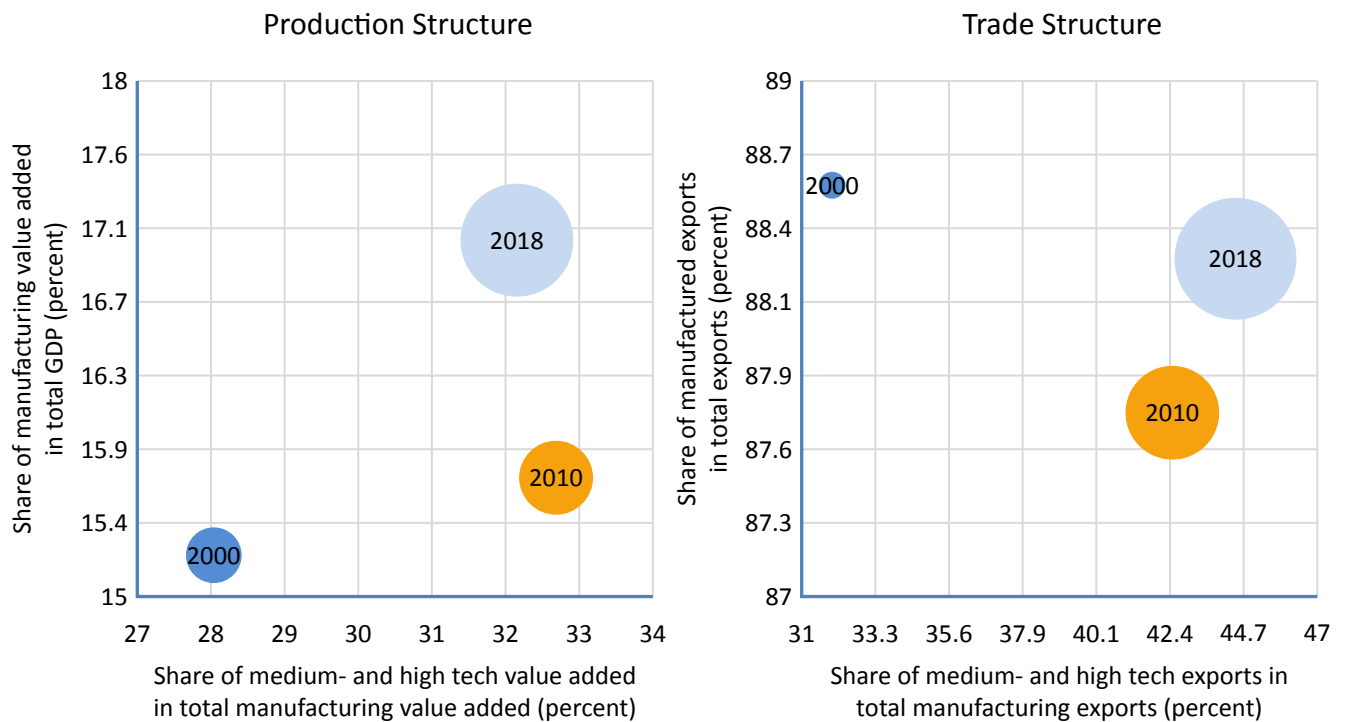
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	29	0.121	0.067	29 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	45	0.077	0.076	45	
Share of Manufacturing Value Added in GDP Index	32	0.477	0.343	33	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	50	0.399	0.302	49	
Industrialization Intensity Index	36	0.438	0.323	34	
Share of World Manufacturing Value Added Index	14	0.043	0.023	15	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	56	0.049	0.103	55	
Share of Manufacturing Exports in Total Exports Index	35	0.905	0.631	41	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	57	0.493	0.397	52	
Index Industrial Export Quality Index	44	0.699	0.514	46	
Share in World Manufacturing Export Index	26	0.062	0.039	26	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Uganda

Africa
Least Developed Countries
Low Income

RANK 128

(index of 152 countries)

Score **0.005**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

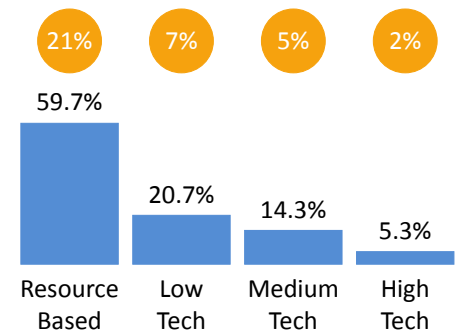
GDP: 28.7 billion | 671 per capita

Manufacturing value added: 2,395 million | 56.1 per capita

Manufacturing exports: 1,098 million | 26.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

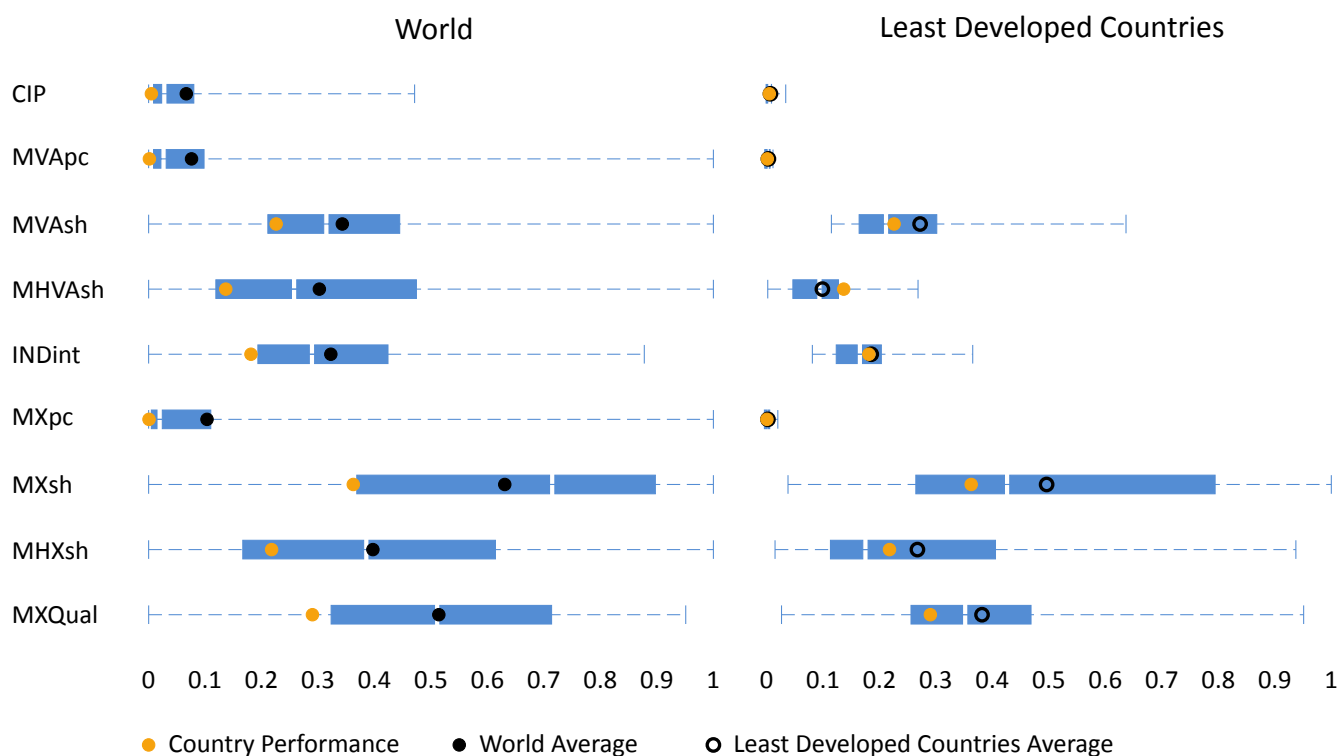


Performance indexes

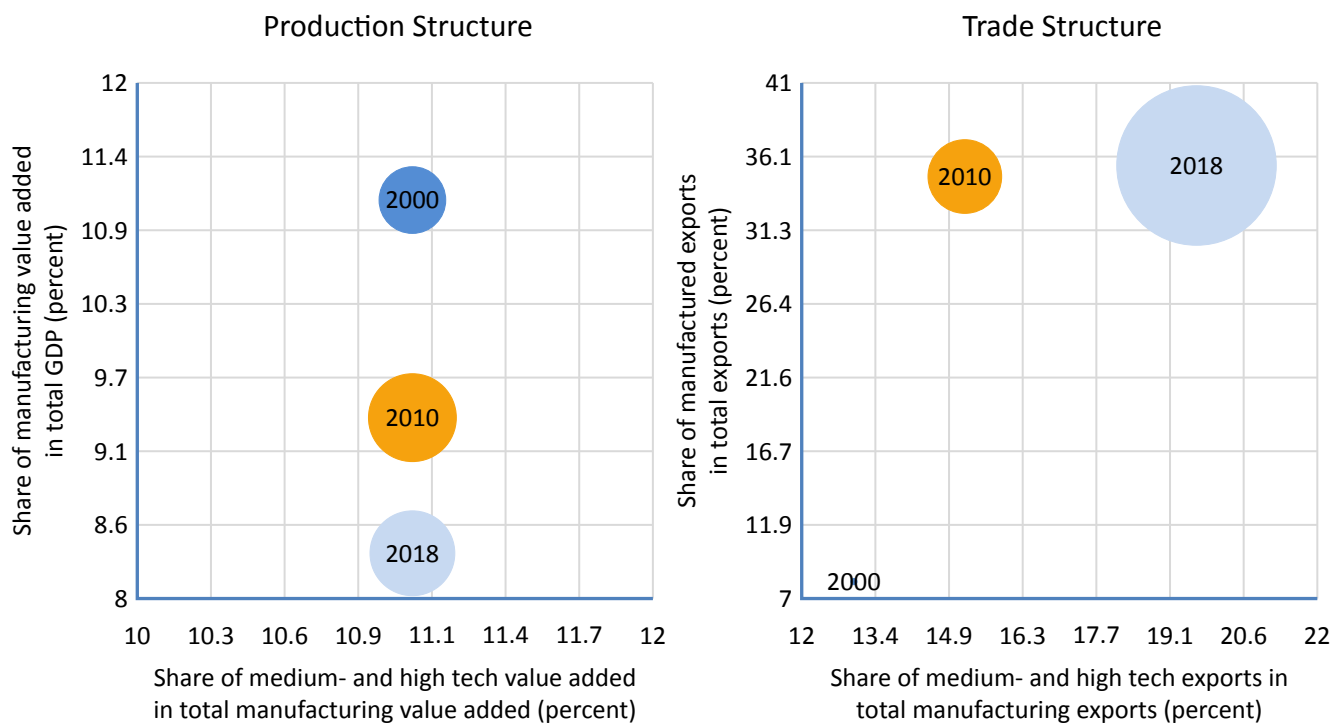
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	128	0.005	0.067	132 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	141	0.001	0.076	141	
Share of Manufacturing Value Added in GDP Index	111	0.226	0.343	112	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	108	0.137	0.302	107	
Industrialization Intensity Index	121	0.181	0.323	123	
Share of World Manufacturing Value Added Index	102	0.001	0.023	103	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	138	0.001	0.103	141	
Share of Manufacturing Exports in Total Exports Index	115	0.362	0.631	130	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	105	0.218	0.397	101	
Index Industrial Export Quality Index	126	0.290	0.514	130	
Share in World Manufacturing Export Index	121	0.000	0.039	126	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Ukraine

Europe
Emerging Industrial Economies
Lower Middle Income

RANK 69
(index of 152 countries)

Score **0.035**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

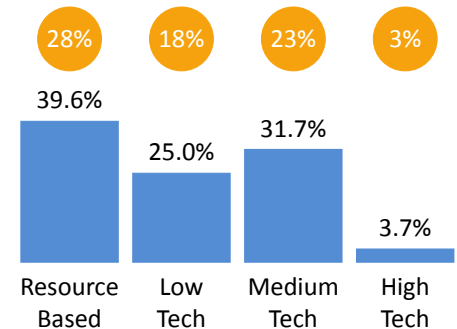
GDP: 98.7 billion | 2,232 per capita

Manufacturing value added: 12.3 billion | 277 per capita

Manufacturing exports: 33.9 billion | 767 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

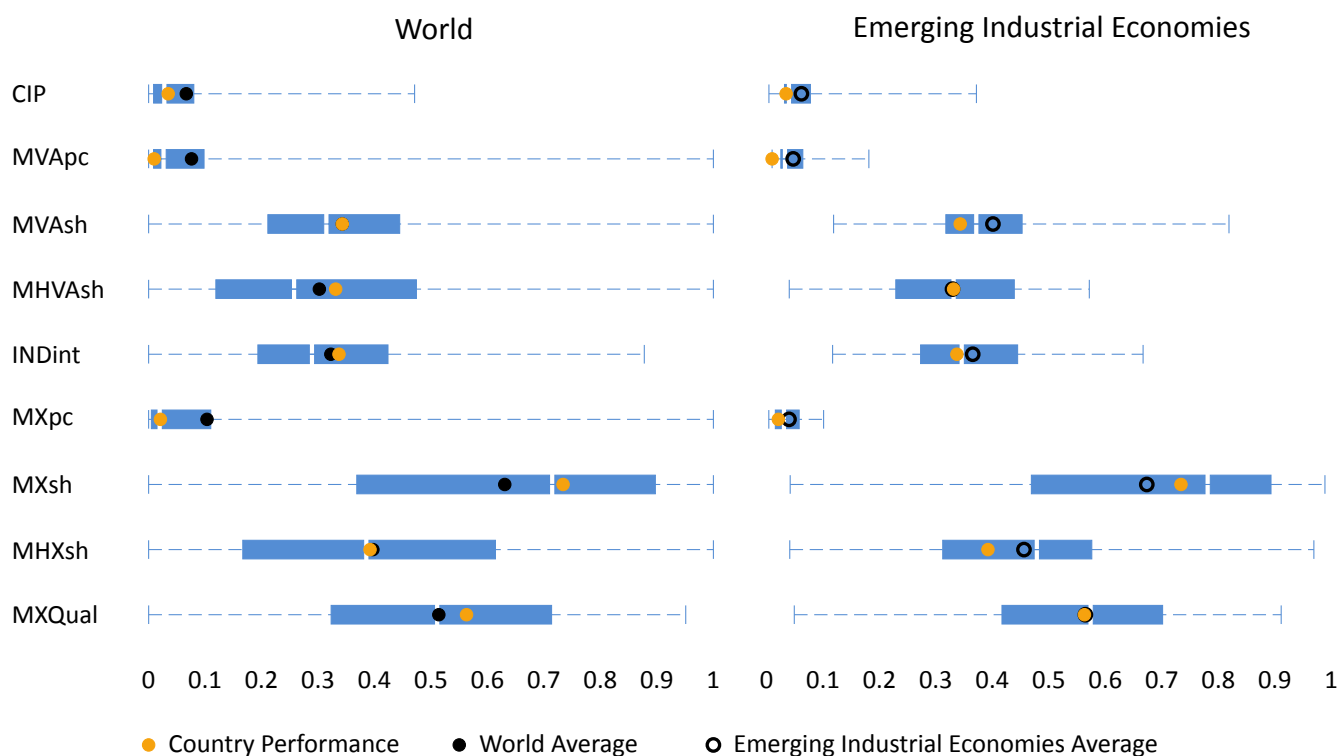


Performance indexes

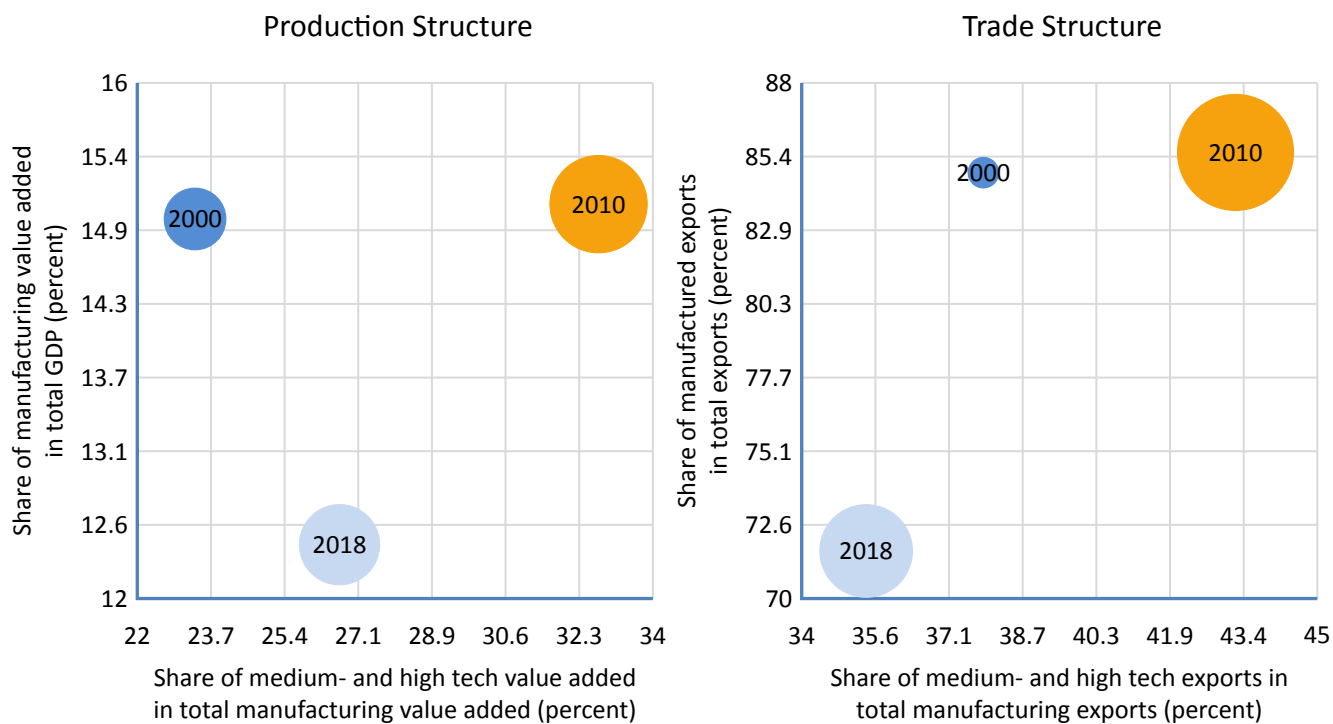
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	69	0.035	0.067	70 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	111	0.010	0.076	110	
Share of Manufacturing Value Added in GDP Index	68	0.343	0.343	68	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	62	0.331	0.302	63	
Industrialization Intensity Index	65	0.337	0.323	65	
Share of World Manufacturing Value Added Index	64	0.003	0.023	65	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	74	0.021	0.103	77	
Share of Manufacturing Exports in Total Exports Index	75	0.734	0.631	75	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	74	0.392	0.397	74	
Index Industrial Export Quality Index	66	0.563	0.514	64	
Share in World Manufacturing Export Index	45	0.014	0.039	45	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

United Arab Emirates

Asia and Pacific
Industrialized Economies
High Income

RANK 35
(index of 152 countries)

Score **0.089**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

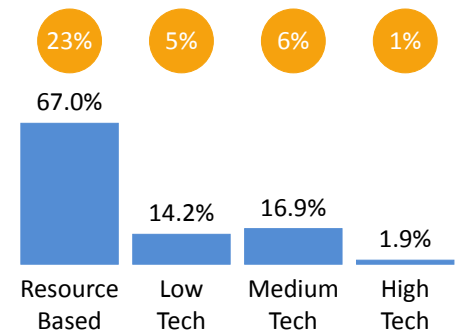
GDP: 378.2 billion | 39,266 per capita

Manufacturing value added: 34.8 billion | 3,615 per capita

Manufacturing exports: 59.5 billion | 6,183 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

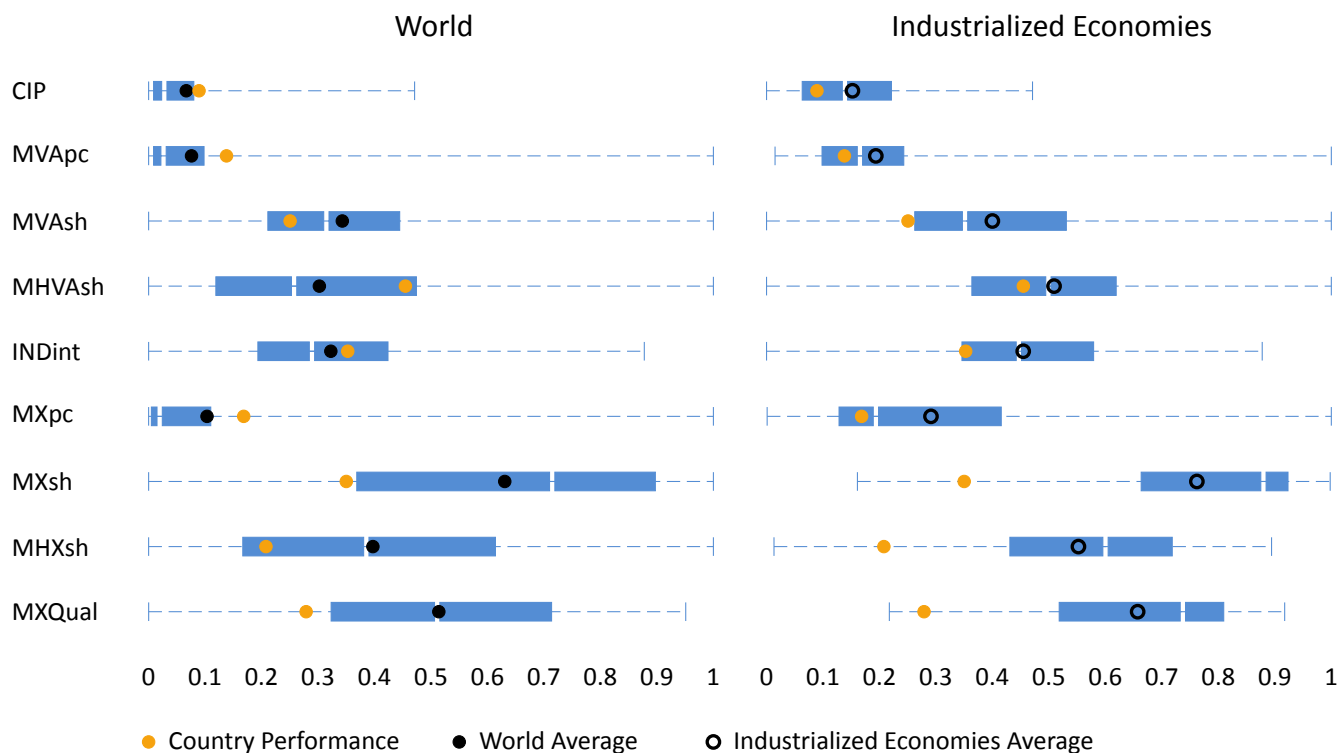


Performance indexes

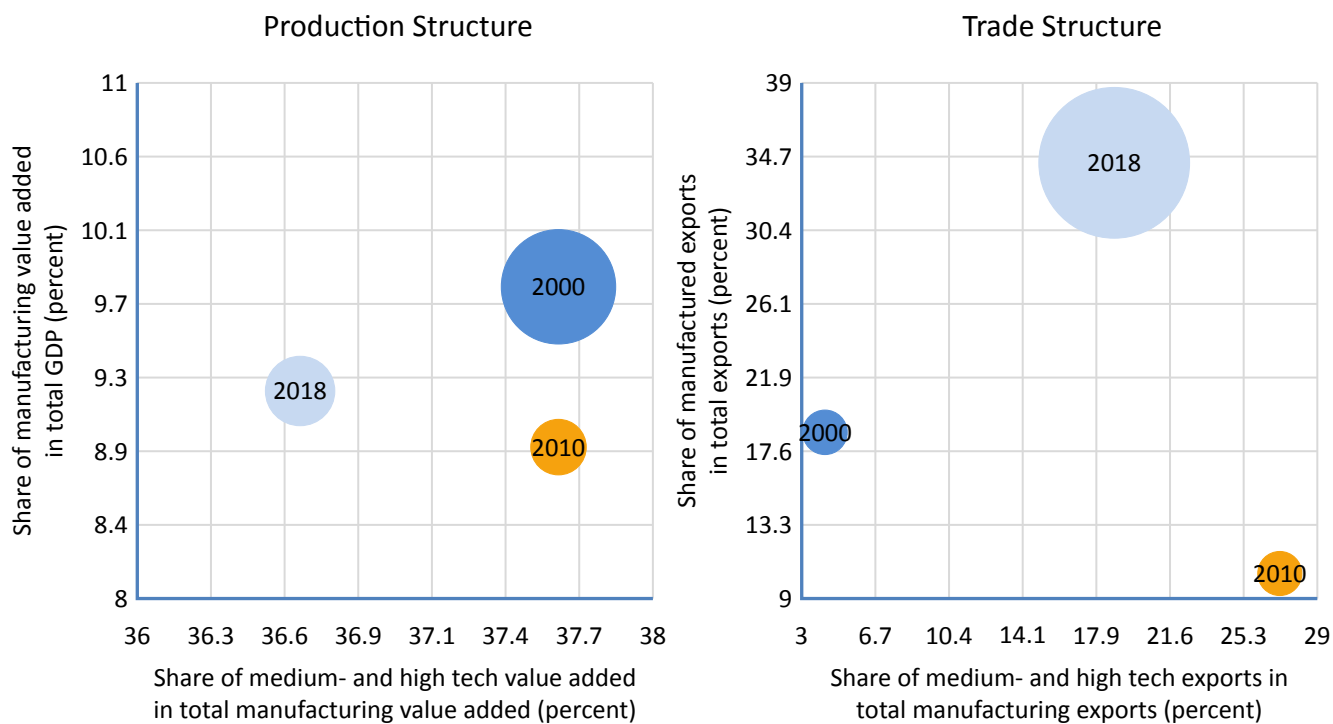
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	35	0.089	0.067	37 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	30	0.138	0.076	30	
Share of Manufacturing Value Added in GDP Index	101	0.250	0.343	102	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	41	0.455	0.302	41	
Industrialization Intensity Index	57	0.353	0.323	61	
Share of World Manufacturing Value Added Index	45	0.009	0.023	44	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	30	0.168	0.103	35	
Share of Manufacturing Exports in Total Exports Index	117	0.350	0.631	127	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	107	0.208	0.397	104	
Index Industrial Export Quality Index	127	0.279	0.514	131	
Share in World Manufacturing Export Index	40	0.025	0.039	41	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

United Kingdom

Europe
Industrialized Economies
High Income

RANK 15
(index of 152 countries)

Score **0.205**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

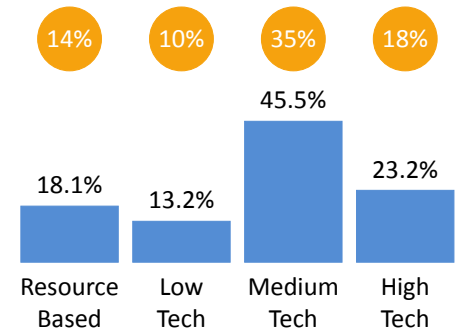
GDP: 3,042 billion | 45,300 per capita

Manufacturing value added: 267.1 billion | 3,978 per capita

Manufacturing exports: 372.4 billion | 5,546 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

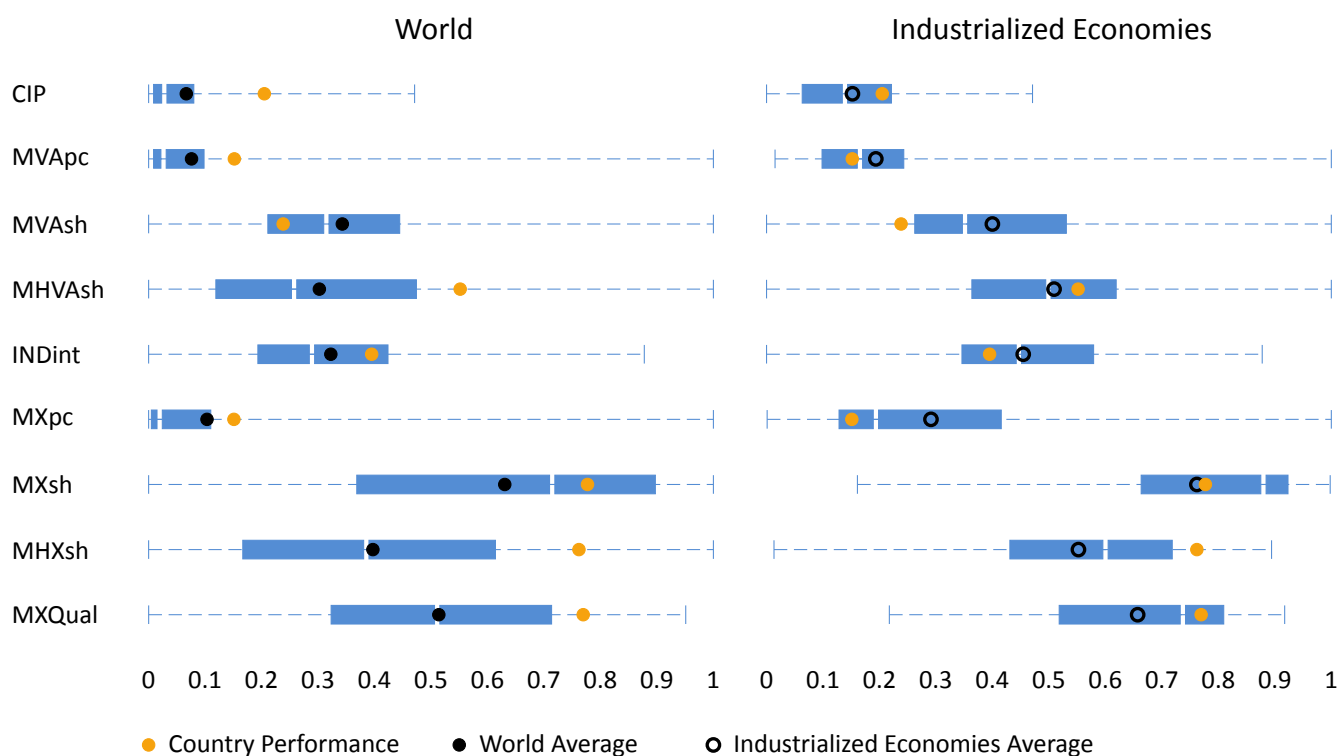


Performance indexes

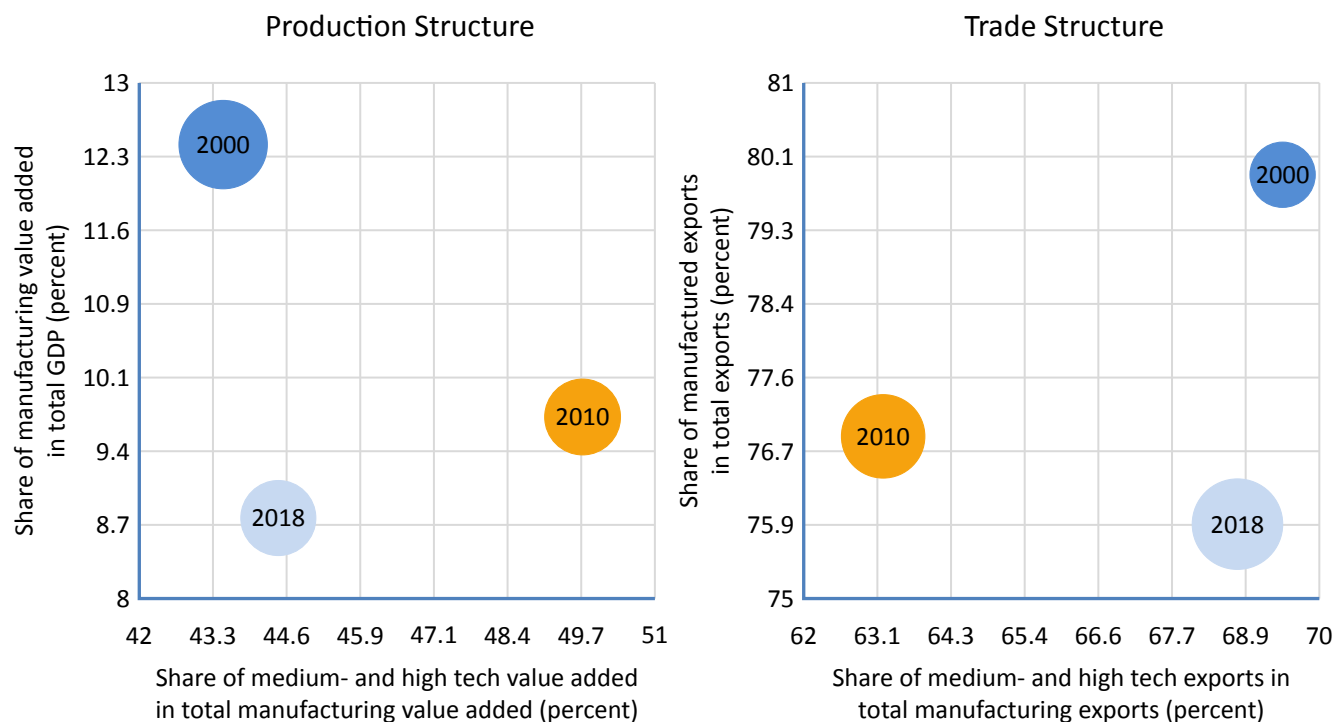
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	15	0.205	0.067	14 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	27	0.152	0.076	27	
Share of Manufacturing Value Added in GDP Index	105	0.238	0.343	105	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	23	0.552	0.302	25	
Industrialization Intensity Index	46	0.395	0.323	47	
Share of World Manufacturing Value Added Index	9	0.069	0.023	8	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	33	0.151	0.103	31	
Share of Manufacturing Exports in Total Exports Index	70	0.777	0.631	62	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	15	0.762	0.397	13	
Index Industrial Export Quality Index	25	0.769	0.514	18	
Share in World Manufacturing Export Index	11	0.155	0.039	10	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

United Republic of Tanzania

Africa
Least Developed Countries
Low Income

RANK 123
(index of 152 countries)

Score **0.007**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

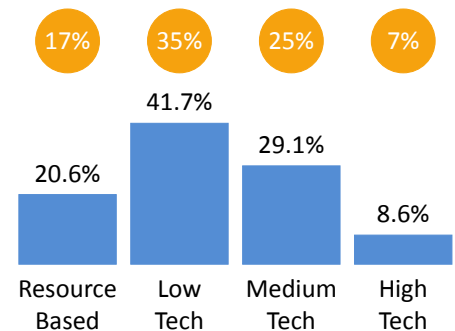
GDP: 55.9 billion | 993 per capita

Manufacturing value added: 2,982 million | 53.0 per capita

Manufacturing exports: 3,095 million | 55.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

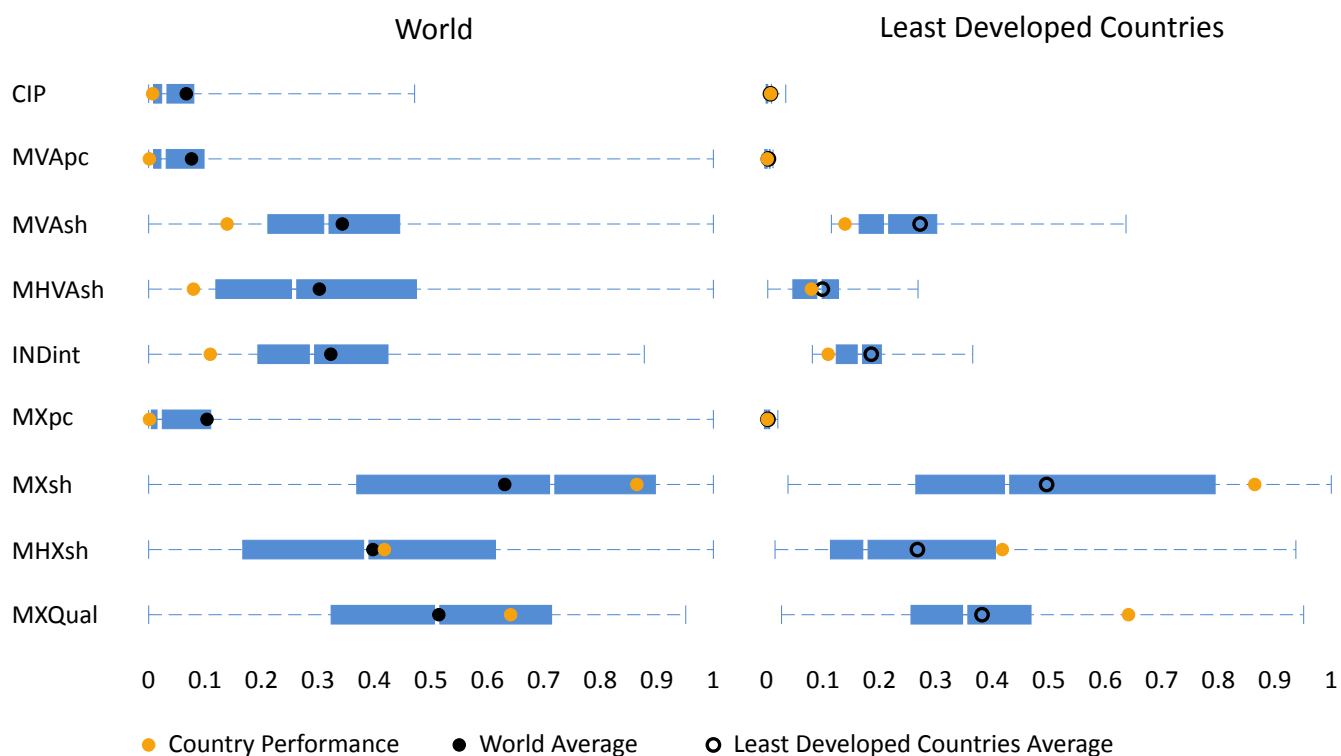


Performance indexes

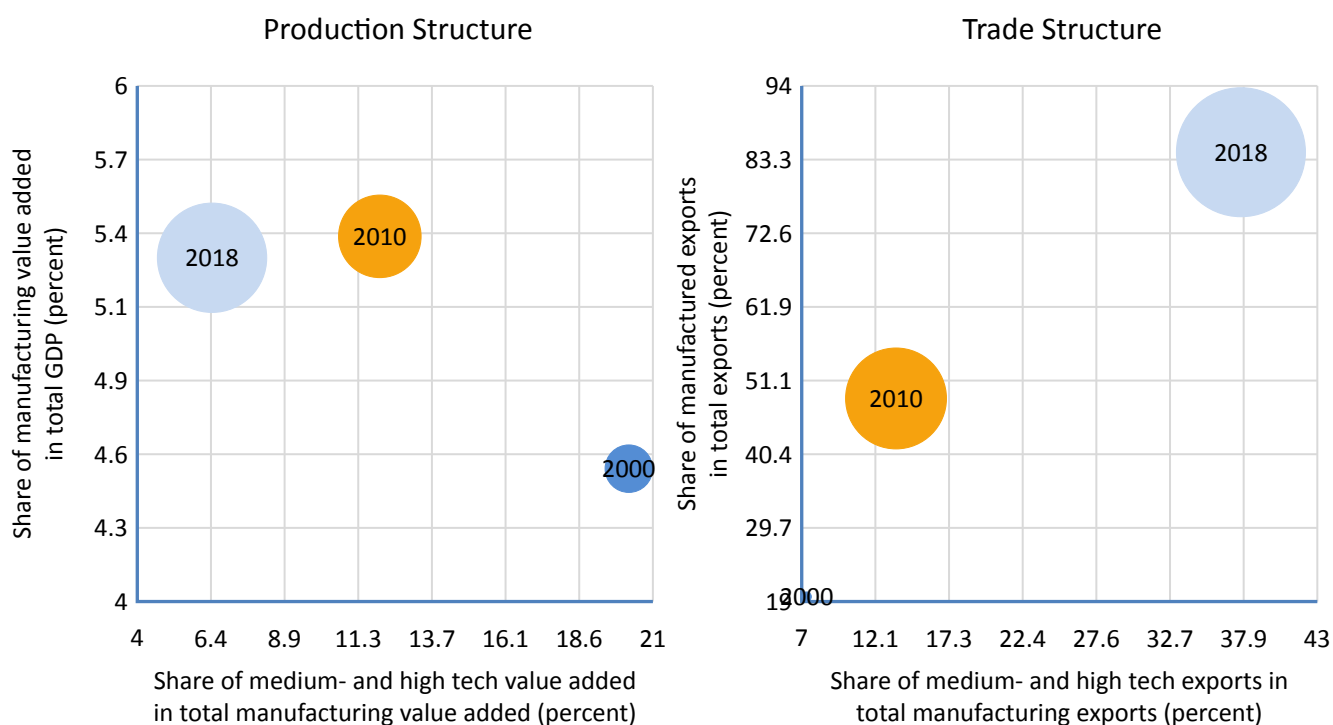
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	123	0.007	0.067	130 ↑	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	144	0.001	0.076	144	
Share of Manufacturing Value Added in GDP Index	136	0.139	0.343	136	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	128	0.079	0.302	127	
Industrialization Intensity Index	143	0.109	0.323	143	
Share of World Manufacturing Value Added Index	98	0.001	0.023	99	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	130	0.001	0.103	138	
Share of Manufacturing Exports in Total Exports Index	52	0.864	0.631	129	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	70	0.417	0.397	110	
Index Industrial Export Quality Index	52	0.641	0.514	133	
Share in World Manufacturing Export Index	92	0.001	0.039	119	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

United States of America

North America
Industrialized Economies
High Income

RANK 4
(index of 152 countries)

Score **0.345**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

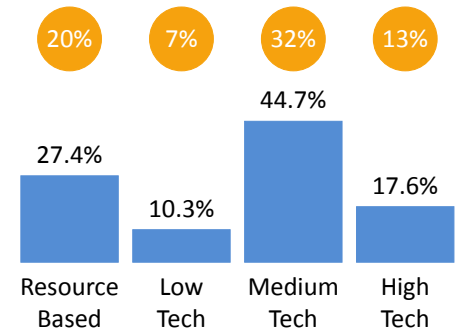
GDP: 19,469 billion | 59,520 per capita

Manufacturing value added: 2,212 billion | 6,762 per capita

Manufacturing exports: 1,019 billion | 3,114 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

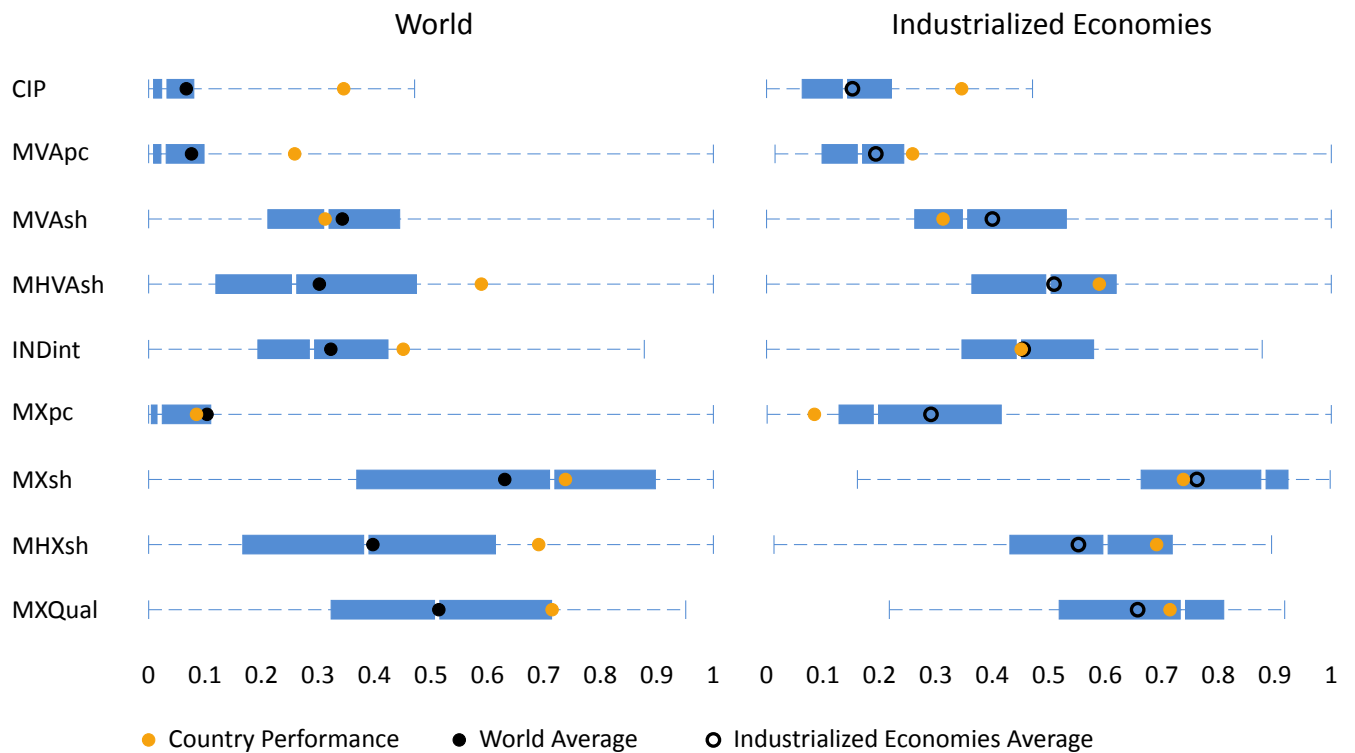


Performance indexes

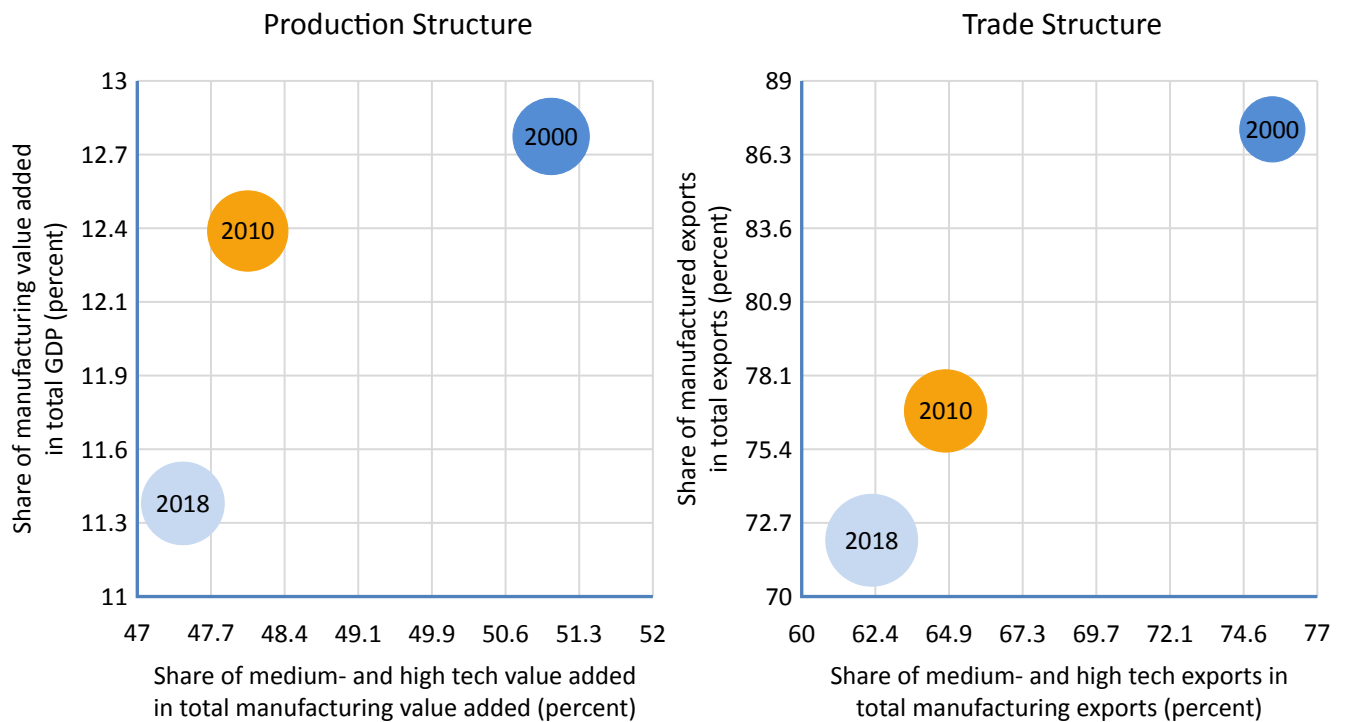
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	4	0.345	0.067	4 →	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	12	0.259	0.076	12	
Share of Manufacturing Value Added in GDP Index	77	0.312	0.343	79	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	18	0.589	0.302	16	
Industrialization Intensity Index	32	0.451	0.323	33	
Share of World Manufacturing Value Added Index	2	0.568	0.023	2	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	45	0.085	0.103	45	
Share of Manufacturing Exports in Total Exports Index	74	0.738	0.631	71	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	24	0.691	0.397	19	
Index Industrial Export Quality Index	38	0.714	0.514	35	
Share in World Manufacturing Export Index	3	0.423	0.039	3	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Uruguay

Latin America
Emerging Industrial Economies
High Income

RANK 78
(index of 152 countries)

Score **0.027**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

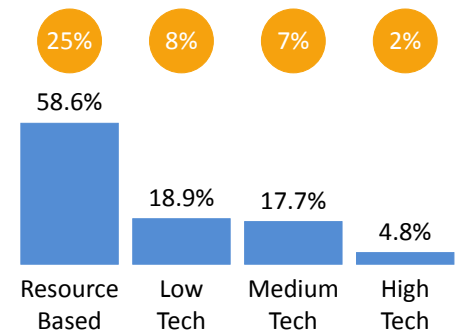
GDP: 56.5 billion | 16,385 per capita

Manufacturing value added: 6,883 million | 1,996 per capita

Manufacturing exports: 3,173 million | 920 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

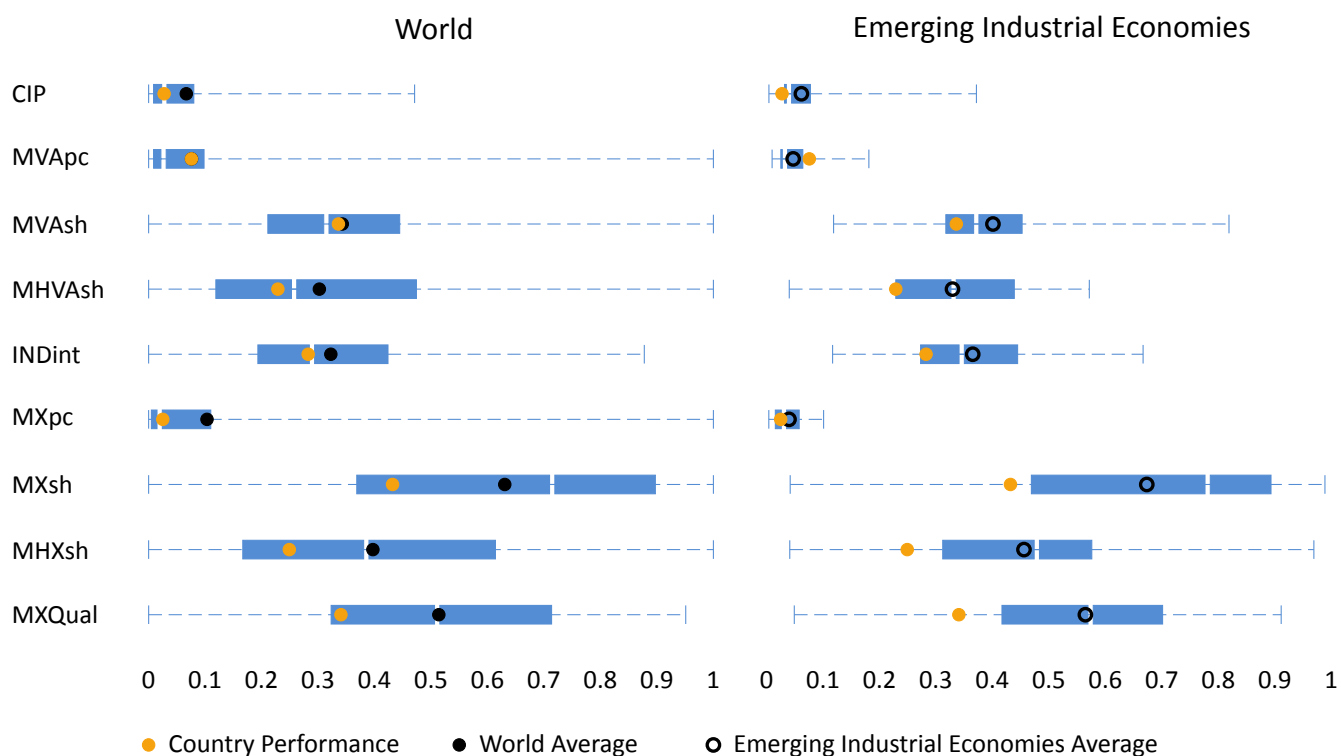


Performance indexes

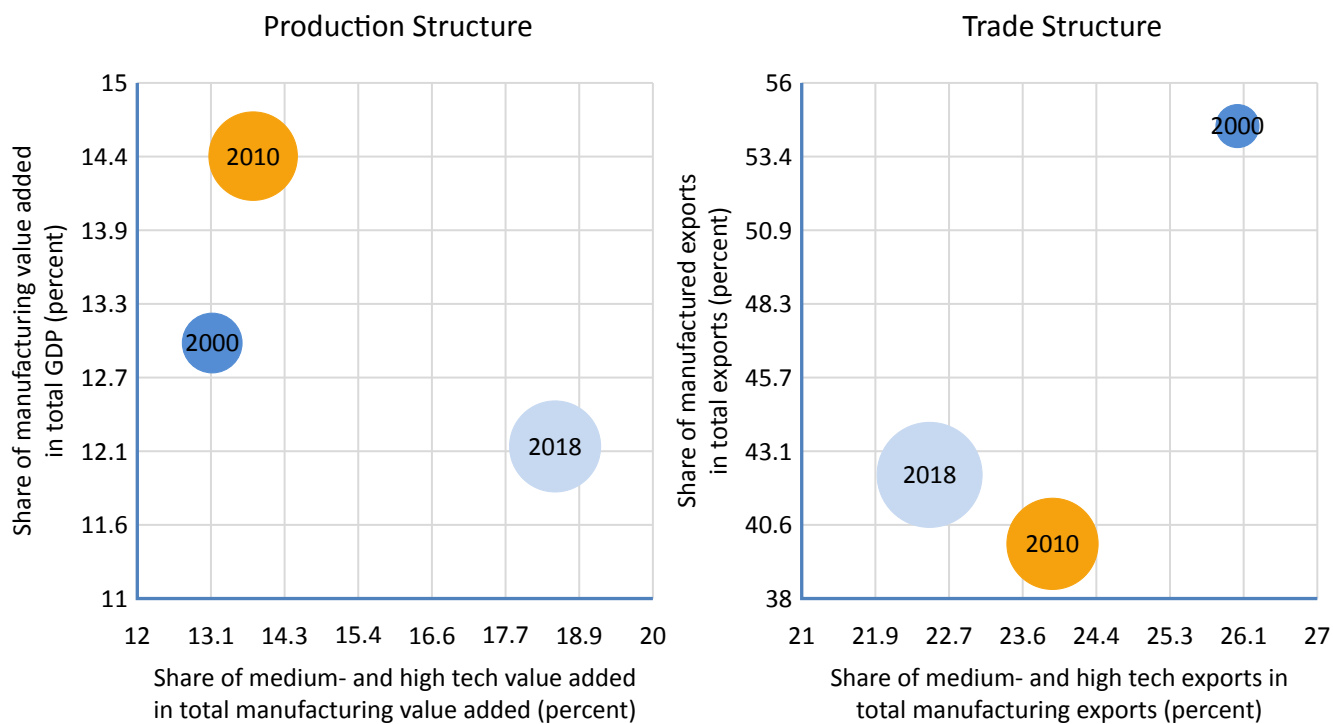
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	78	0.027	0.067	77 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	46	0.076	0.076	46	
Share of Manufacturing Value Added in GDP Index	69	0.336	0.343	69	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	85	0.229	0.302	88	
Industrialization Intensity Index	81	0.282	0.323	80	
Share of World Manufacturing Value Added Index	75	0.002	0.023	74	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	69	0.025	0.103	68	
Share of Manufacturing Exports in Total Exports Index	105	0.432	0.631	110	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	100	0.249	0.397	102	
Index Industrial Export Quality Index	109	0.341	0.514	119	
Share in World Manufacturing Export Index	91	0.001	0.039	91	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Uzbekistan

Asia and Pacific
Other Developing Economies
Lower Middle Income

RANK 92
(index of 152 countries)

Score **0.017**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

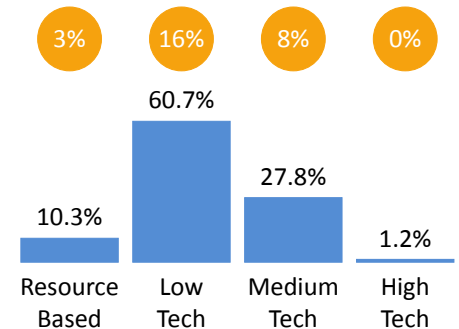
GDP: 78.6 billion | 2,419 per capita

Manufacturing value added: 15.9 billion | 488 per capita

Manufacturing exports: 2,892 million | 89.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

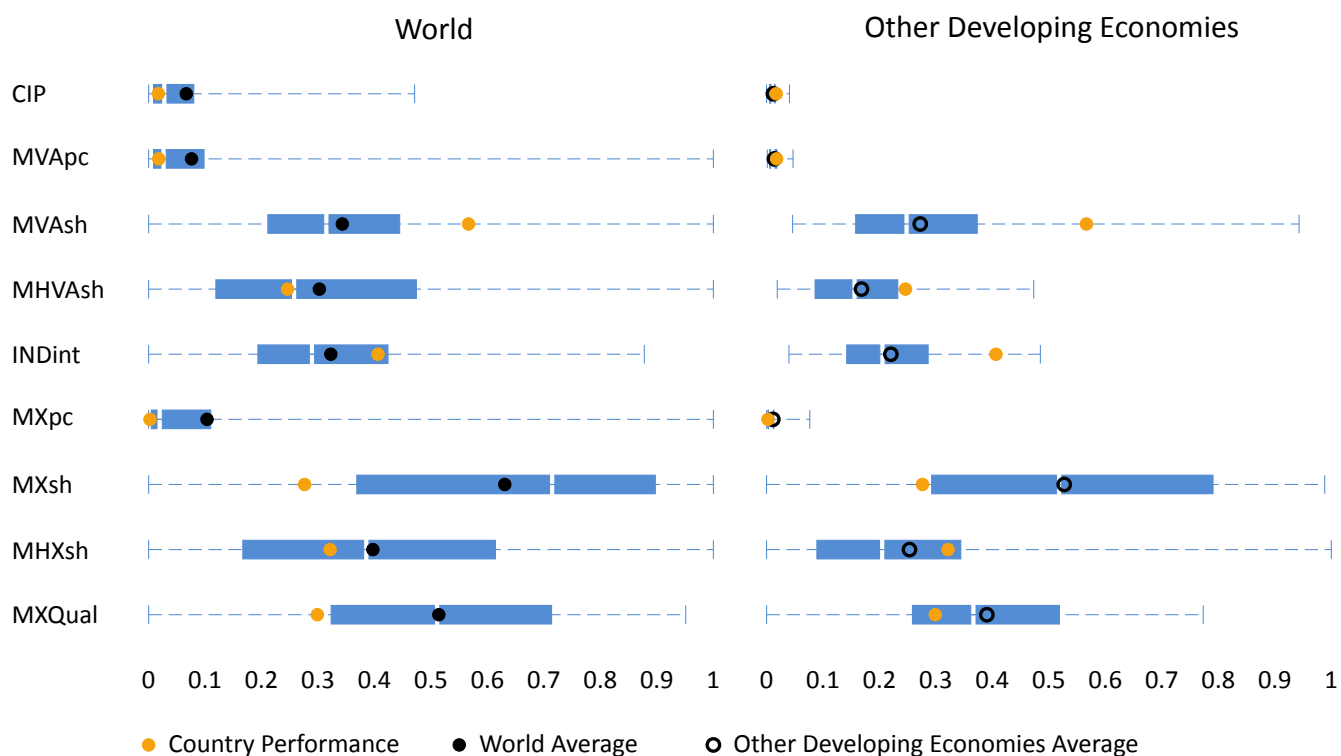


Performance indexes

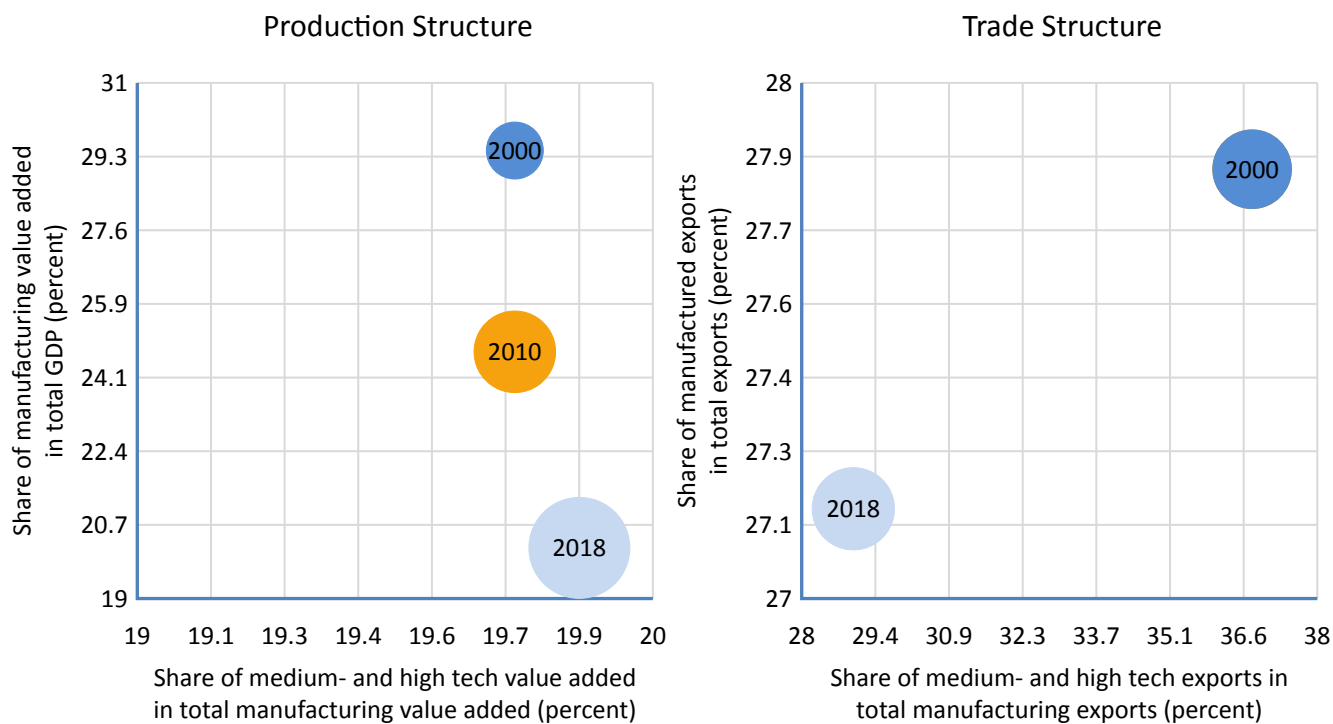
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	92	0.017	0.067	92 →	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	92	0.018	0.076	92	
Share of Manufacturing Value Added in GDP Index	18	0.566	0.343	16	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	79	0.246	0.302	84	
Industrialization Intensity Index	43	0.406	0.323	42	
Share of World Manufacturing Value Added Index	59	0.004	0.023	59	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	125	0.002	0.103	124	
Share of Manufacturing Exports in Total Exports Index	128	0.276	0.631	123	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	85	0.321	0.397	70	
Index Industrial Export Quality Index	124	0.299	0.514	110	
Share in World Manufacturing Export Index	95	0.001	0.039	92	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Venezuela (Bolivarian Republic of)

Latin America
Emerging Industrial Economies
Upper Middle Income

RANK 65
(index of 152 countries)

Score **0.036**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

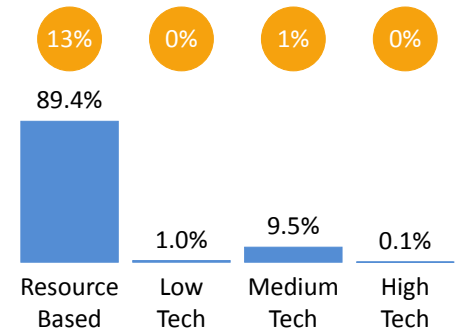
GDP: 202.9 billion | 7,024 per capita

Manufacturing value added: 40.2 billion | 1,392 per capita

Manufacturing exports: 12.9 billion | 434 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

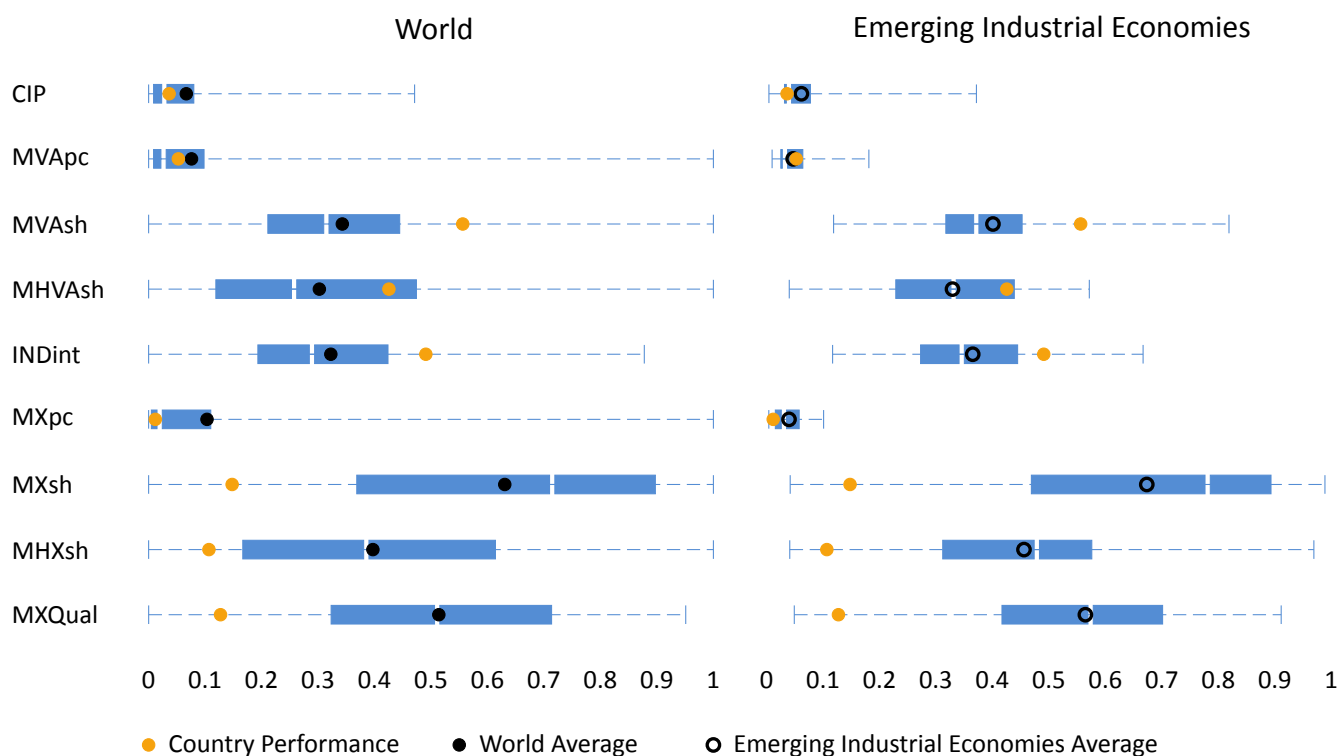


Performance indexes

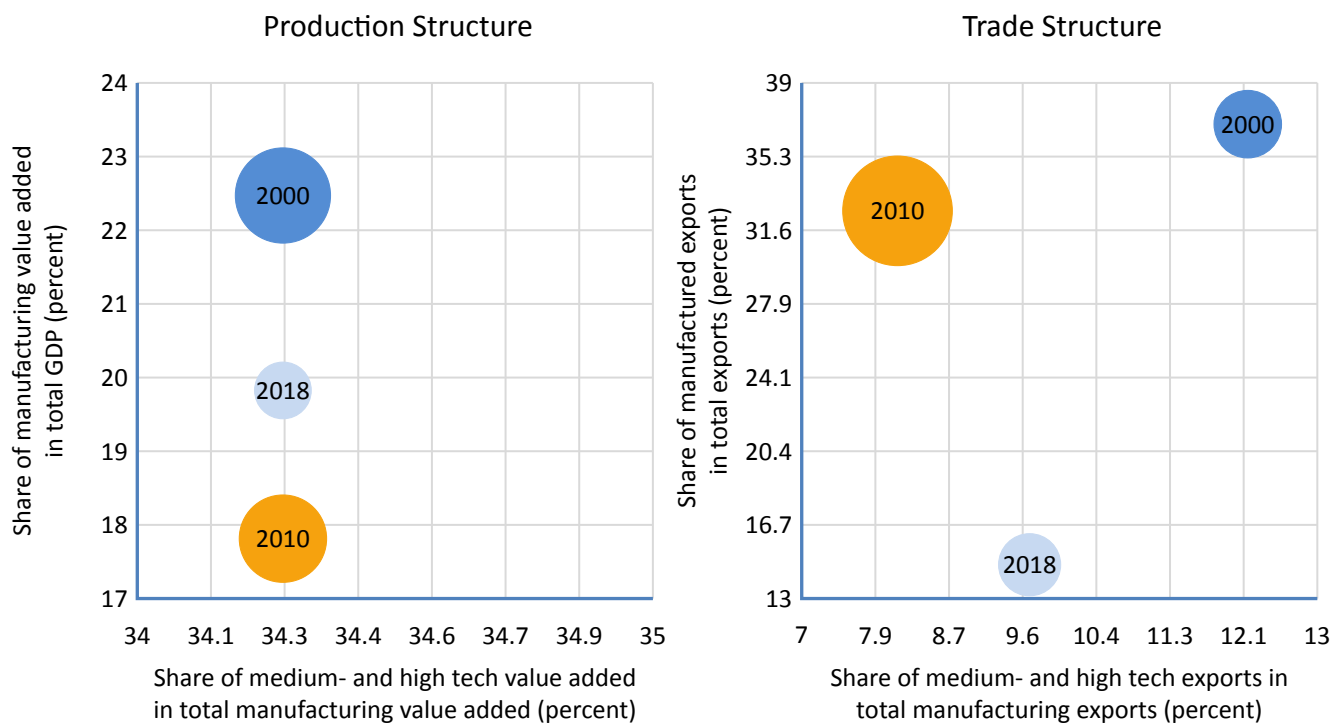
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	65	0.036	0.067	62 ↓	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	55	0.053	0.076	50	
Share of Manufacturing Value Added in GDP Index	20	0.556	0.343	18	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	46	0.425	0.302	47	
Industrialization Intensity Index	24	0.491	0.323	24	
Share of World Manufacturing Value Added Index	40	0.010	0.023	35	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	93	0.012	0.103	93	
Share of Manufacturing Exports in Total Exports Index	142	0.148	0.631	140	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	129	0.107	0.397	130	
Index Industrial Export Quality Index	149	0.127	0.514	147	
Share in World Manufacturing Export Index	64	0.006	0.039	64	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Viet Nam

Asia and Pacific
Emerging Industrial Economies
Lower Middle Income

RANK 38
(index of 152 countries)

Score **0.08**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

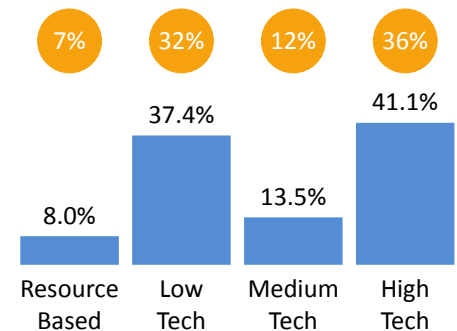
GDP: 234.7 billion | 2,457 per capita

Manufacturing value added: 37.7 billion | 394 per capita

Manufacturing exports: 211.6 billion | 2,214 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

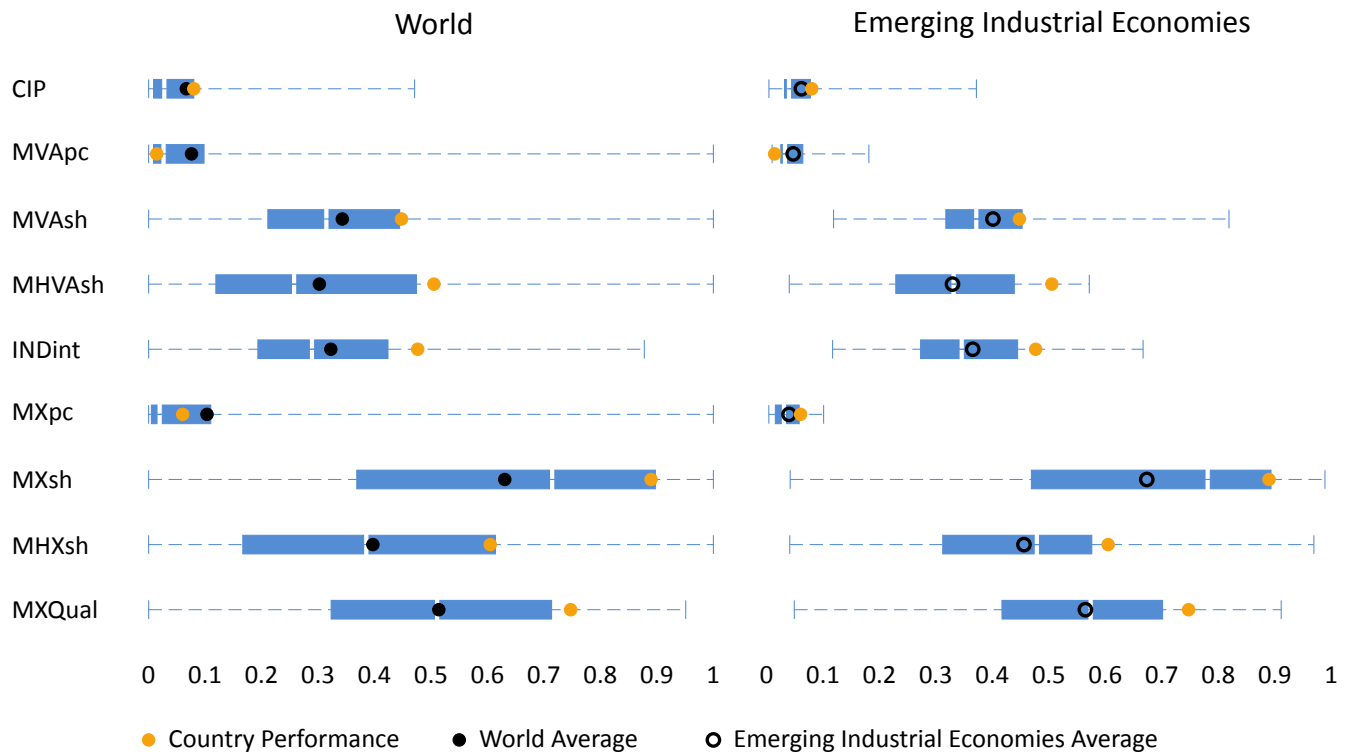


Performance indexes

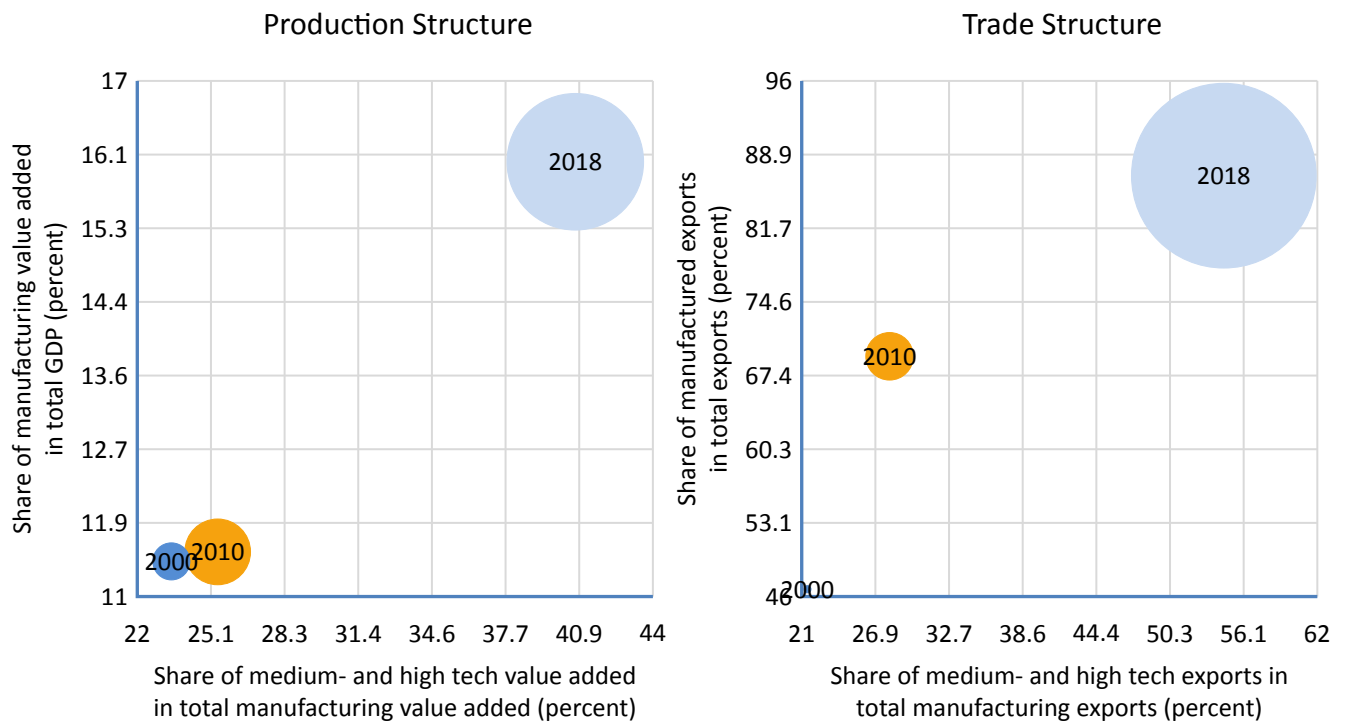
	Rank 2018	Score 2018	World Average	Rank 2017	Trend
Competitive Industrial Performance Index	38	0.080	0.067	41 ↑	1990 2018
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	100	0.014	0.076	101	
Share of Manufacturing Value Added in GDP Index	37	0.448	0.343	44	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	31	0.505	0.302	32	
Industrialization Intensity Index	28	0.476	0.323	29	
Share of World Manufacturing Value Added Index	44	0.010	0.023	46	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	53	0.060	0.103	53	
Share of Manufacturing Exports in Total Exports Index	41	0.890	0.631	39	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	40	0.605	0.397	39	
Index Industrial Export Quality Index	32	0.747	0.514	30	
Share in World Manufacturing Export Index	19	0.088	0.039	20	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Competitive Industrial Performance Index 2020

Yemen

Asia and Pacific
Least Developed Countries
Low Income

RANK 140
(index of 152 countries)

Score **0.003**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

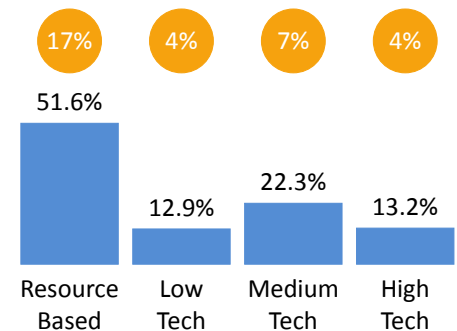
GDP: 21.5 billion | 755 per capita

Manufacturing value added: 2,364 million | 82.9 per capita

Manufacturing exports: 126.1 million | 5.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

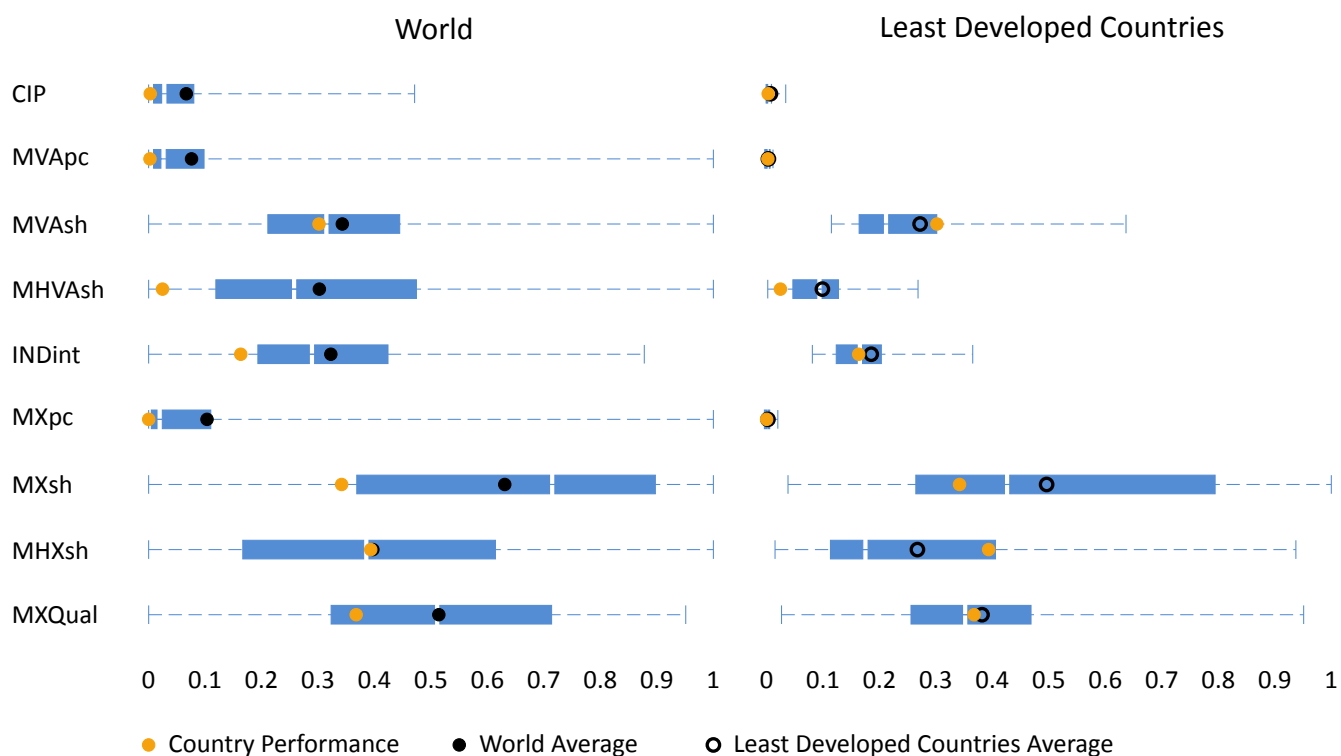


Performance indexes

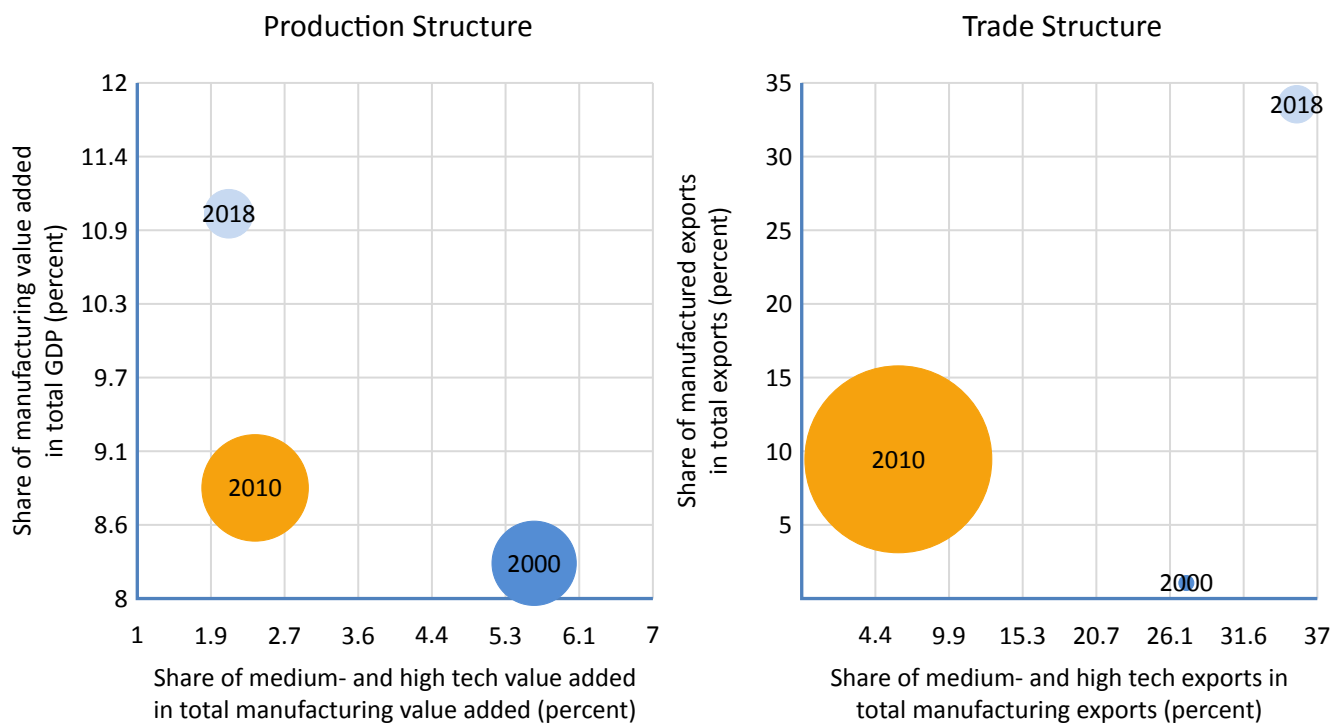
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	140	0.003	0.067	138 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	136	0.002	0.076	136	
Share of Manufacturing Value Added in GDP Index	82	0.302	0.343	86	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	149	0.025	0.302	149	
Industrialization Intensity Index	126	0.163	0.323	128	
Share of World Manufacturing Value Added Index	103	0.001	0.023	101	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	147	0.000	0.103	147	
Share of Manufacturing Exports in Total Exports Index	118	0.342	0.631	115	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	73	0.393	0.397	73	
Index Industrial Export Quality Index	101	0.367	0.514	101	
Share in World Manufacturing Export Index	139	0.000	0.039	139	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Zambia

Africa
Least Developed Countries
Lower Middle Income

RANK 125
(index of 152 countries)

Score **0.006**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

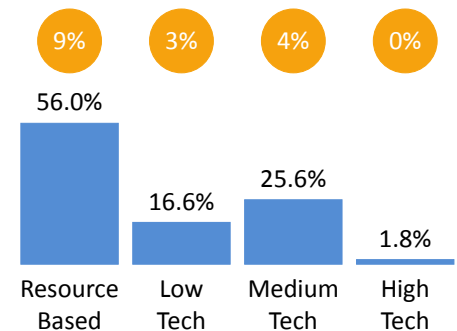
GDP: 23.7 billion | 1,363 per capita

Manufacturing value added: 1,749 million | 101 per capita

Manufacturing exports: 1,425 million | 82.0 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

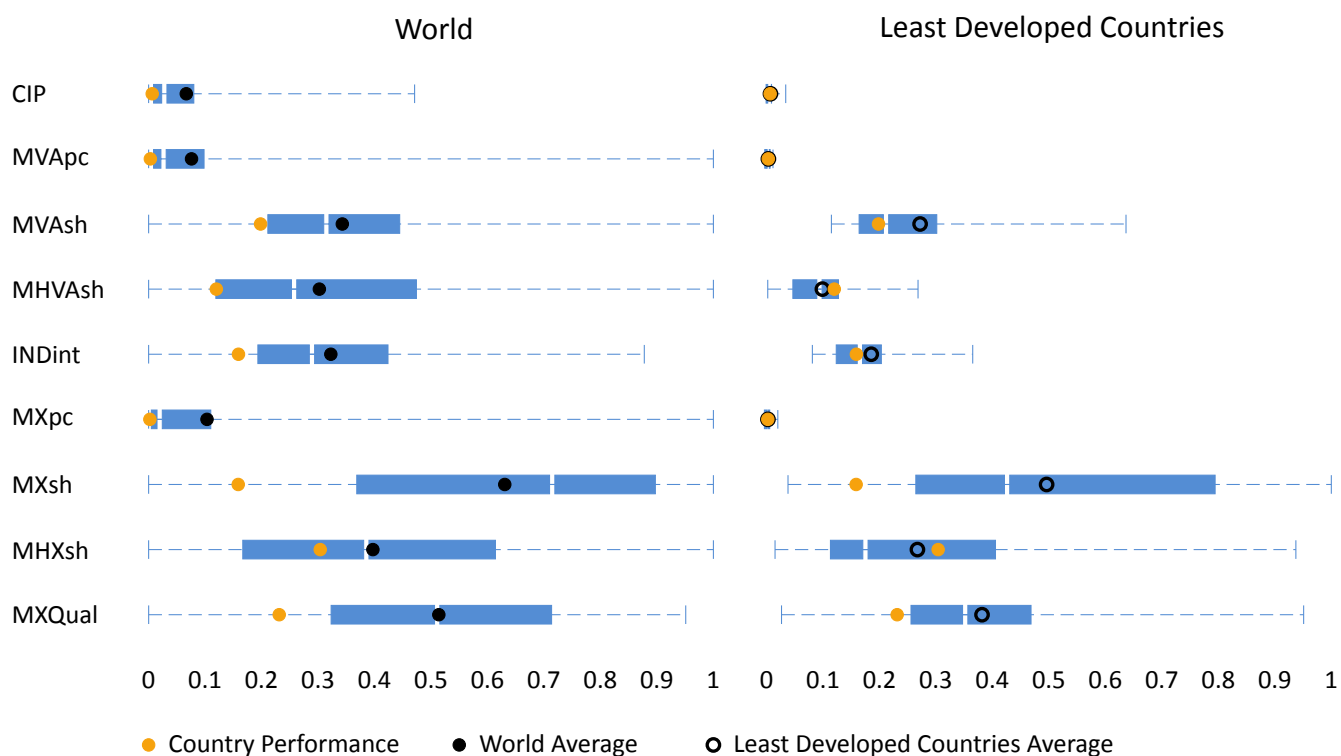


Performance indexes

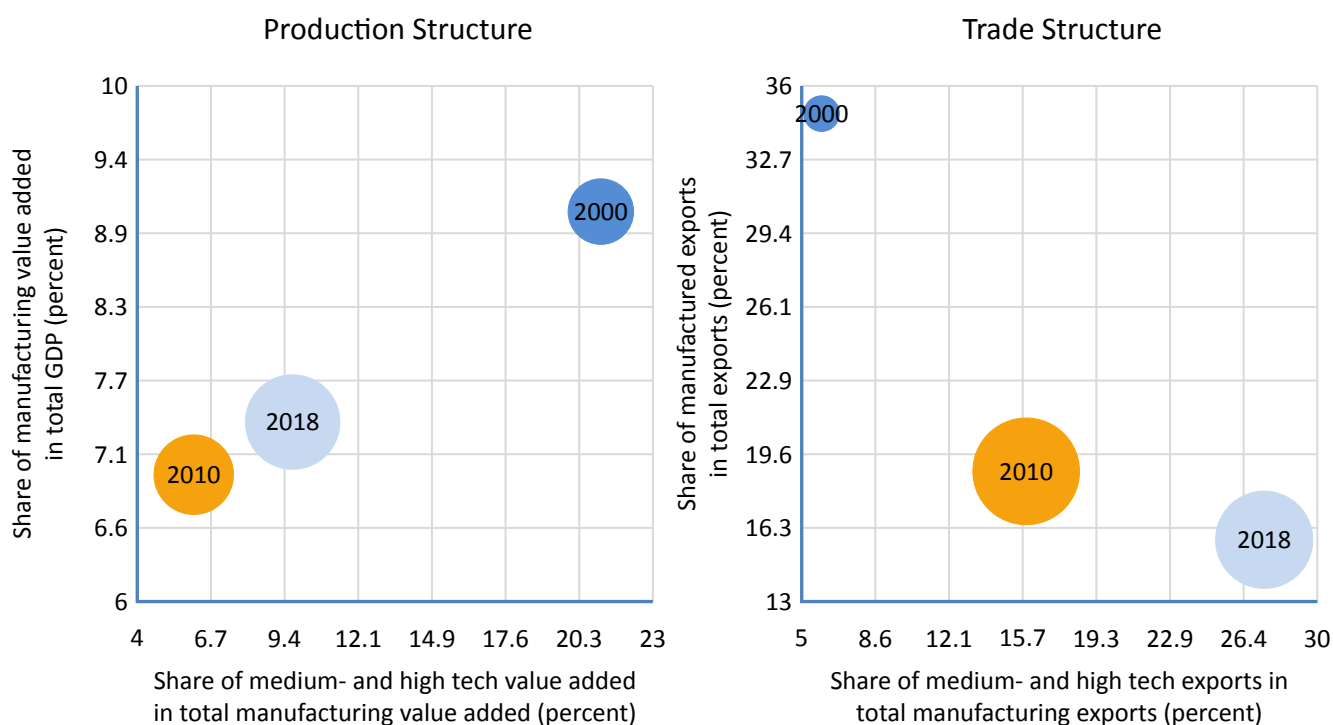
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	125	0.006	0.067	124 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	133	0.003	0.076	133	
Share of Manufacturing Value Added in GDP Index	117	0.198	0.343	117	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	113	0.120	0.302	112	
Industrialization Intensity Index	128	0.159	0.323	129	
Share of World Manufacturing Value Added Index	107	0.000	0.023	107	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	128	0.002	0.103	126	
Share of Manufacturing Exports in Total Exports Index	141	0.159	0.631	135	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	88	0.304	0.397	50	
Index Industrial Export Quality Index	135	0.231	0.514	111	
Share in World Manufacturing Export Index	114	0.001	0.039	113	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Bubble size represents manufacturing value added and manufactured exports per capita.

Competitive Industrial Performance Index 2020

Zimbabwe

Africa
Other Developing Economies
Lower Middle Income

RANK 124
(index of 152 countries)

Score **0.007**
World average **0.067**

Manufacturing sector summary (2018)

Export data are in current USD, all other values - in constant 2015 US dollars

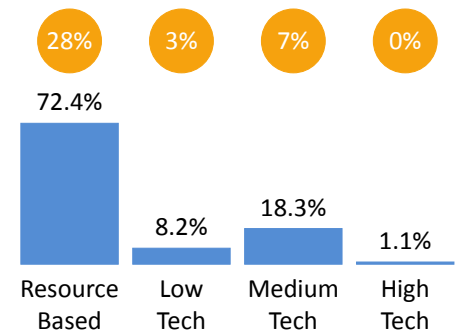
GDP: 17.5 billion | 1,211 per capita

Manufacturing value added: 1,283 million | 88.9 per capita

Manufacturing exports: 1,585 million | 110 per capita

See full manufacturing profile at stat.unido.org/country-profile

Readers Guide: stat.unido.org/content/learning-center/cip-readers-guide

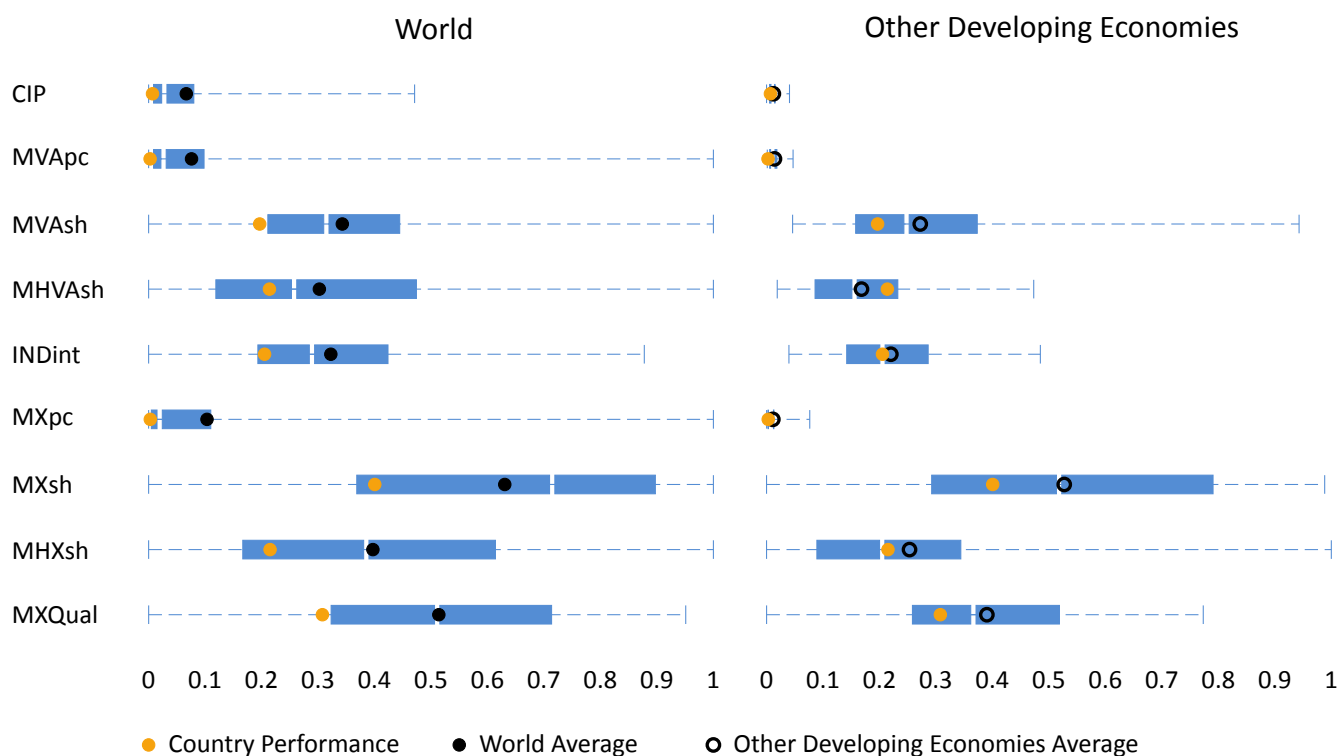


Performance indexes

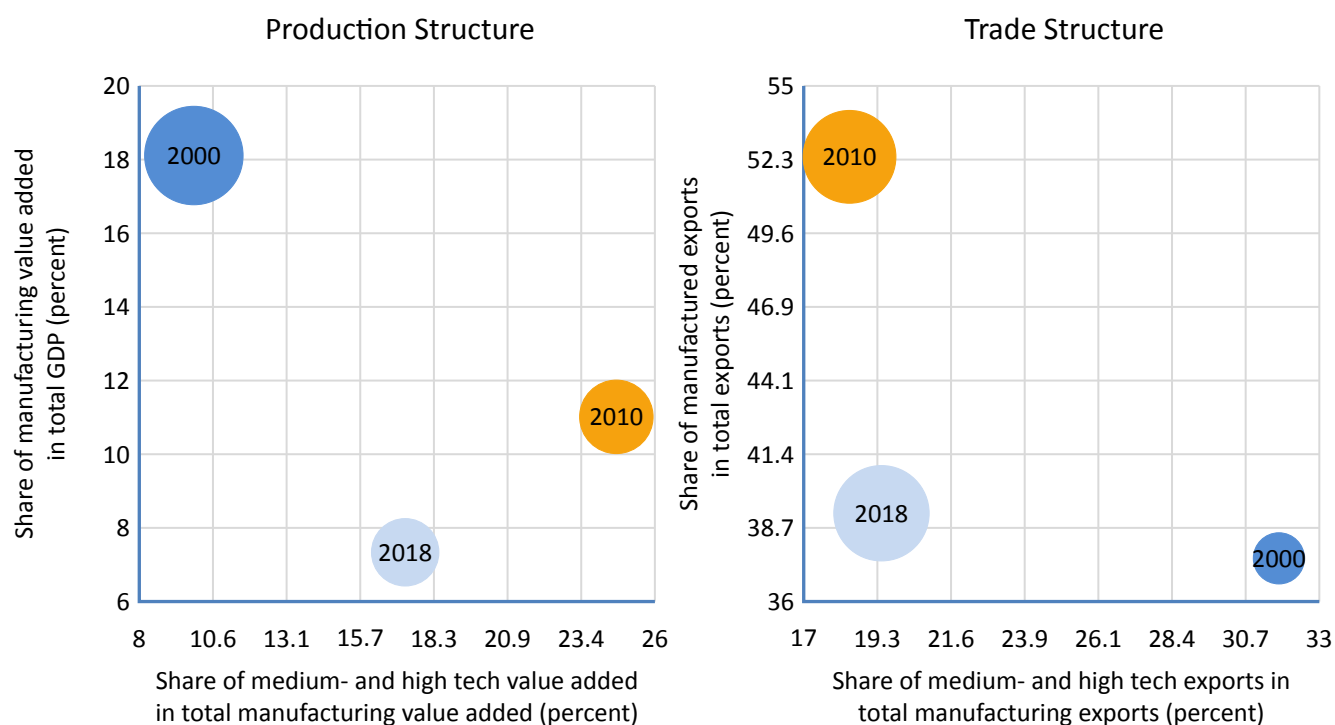
	Rank 2018	Score 2018	World Average	Rank 2017	Trend 1990 2018
Competitive Industrial Performance Index	124	0.007	0.067	123 ↓	
Manufacturing Value Added Indexes					
Manufacturing Value Added per Capita Index	135	0.003	0.076	134	
Share of Manufacturing Value Added in GDP Index	119	0.197	0.343	115	
Share of Medium and High-Tech Activities in Total Manufacturing Value Added Index	90	0.214	0.302	77	
Industrialization Intensity Index	107	0.205	0.323	99	
Share of World Manufacturing Value Added Index	115	0.000	0.023	114	
Manufacturing Export Indexes					
Manufacturing Export per Capita Index	122	0.003	0.103	121	
Share of Manufacturing Exports in Total Exports Index	112	0.400	0.631	108	
Share of Medium and High-Tech Activities in Total Manufacturing Export Index	106	0.215	0.397	95	
Index Industrial Export Quality Index	121	0.308	0.514	107	
Share in World Manufacturing Export Index	111	0.001	0.039	108	

- 1st DIMENSION: CAPACITY TO PRODUCE AND EXPORT MANUFACTURES
- 2nd DIMENSION: TECHNOLOGICAL DEEPENING AND UPGRADING
- 3rd DIMENSION: WORLD IMPACT

Comparative competitiveness



Changes to trade and production structure



Section 3

Appendixes

Appendix A

A.1 Methodology

UNIDO's Competitive Industrial Performance (CIP) index is a composite index that captures the competitiveness of national industries and provides a prospective means for international comparison. Industrial competitiveness, which is not possible to estimate through one single indicator, is here calculated as a non-linear combination of eight component indicators grouped in three dimensions.

This Appendix describes the data sources for each of the underlying indicators, gives a brief overview of the treatment of missing values in the data (imputation) as well as the derivation of sub-indices (normalization). Finally, it outlines how the CIP Index is computed (in terms of weighting and aggregation).

Data sources and construction of the indicators

The eight indicators, on which the CIP Index is constructed, measure two separate, but parallel, economic spheres: international trade and domestic production. These two spheres delineate the two types of data sources used: statistics on industrial production and statistics on international trade.

Statistics on industrial production: MVA and INDSTAT databases

MVA Databases

The MVA (Manufacturing Value Added) database, which is maintained by UNIDO, contains country data on GDP, MVA and population for the period starting in 1990 to the latest year available. Data on GDP and MVA are available in current and constant prices (2015) in USD. The database is updated annually and is mainly used for the compilation of the major statistical tables published in UNIDO's 'International Yearbook of Industrial Statistics'. The primary sources for the MVA database are the 'National Accounts Main Aggregates Database' of the United Nations Statistical Division (UNSD)¹⁰¹, the 'World Development Indicators' (WDI) of the World Bank,¹⁰² and the STAN Structural Analysis Database of the Organization for Economic Co-Operation and Development (OECD)¹⁰³. Other supplementary sources include databases maintained by regional agencies such as the Asian Development Bank, the African Development Bank, the Economic Commission for Latin America and the Caribbean, and those of national statistical offices. Occasionally, non-official data sources are used for cross-checking the consistency of data. Population data are provided by the United Nations Population Division.¹⁰⁴

The GDP series published in the MVA database equals the actual GDP for all but the most recent 1-2 years for which estimates are

¹⁰¹ Available at: <https://unstats.un.org/unsd/snaama>.

¹⁰² Available at:

<http://data.worldbank.org/products/wdi>.

¹⁰³ Available at: <http://oe.cd/stan>.

¹⁰⁴ Available at: www.un.org/esa/population.

derived from the nowcasts of GDP growth rates reported in the World Economic Outlook of the International Monetary Fund (IMF).¹⁰⁵ Thus, in contrast with MVA, data for GDP are available up to the current year. Since MVA is strongly connected to GDP (on the one hand, MVA is a part of a country's total value added and therefore of GDP, while on the other hand the production of value added by the manufacturing industry is driven by the demand for its products and ergo by GDP), it can be nowcasted on the basis of the estimated relationship between the contemporaneous values of MVA and GDP.¹⁰⁶ The 2016 edition of the MVA Database covers 206 countries in the period 1990-2015.

GDP at constant prices is the total value of goods and services produced during the reference year, but valued at the price of the base year and converted into USD as per the base year's exchange rate. MVA at constant prices is the value of goods and services produced by all manufacturing activity units in the reference year, but valued at the price of the base year and converted into USD as per the base year's exchange rate. Hence, the raw indicators extracted from the MVA database are: MVA, GDP, population (POP) and MVA_{world} . The latter is MVA aggregated over all countries for which data are available.

- *Indicator 1:* Manufacturing value added per capita (MVA_{pc}) is the relative value of total net manufacturing output to population size. Unlike gross output, MVA is free of double counting as the

cost of intermediate consumption is excluded. Furthermore, it is measured at basic prices to avoid tax distortions. It is calculated as:

$$MVA_{pc} = \frac{MVA}{POP} \quad (1)$$

- *Indicator 4:* Manufacturing value added share in total GDP (MVA_{sh}). It is calculated as:

$$MVA_{sh} = \frac{MVA}{GDP} \quad (2)$$

- *Indicator 7:* Impact of a country on world manufacturing value added ($ImWMVA$). It is calculated as:

$$ImWMVA = \frac{MVA}{MVA_{world}} \quad (3)$$

Industrial Statistics (INDSTAT) databases

International competitiveness is to a great extent determined by the technological capabilities and knowledge necessary for producing new products. For statistical purposes, the definition of high technology is carried out by an exhaustive listing of economic activities or products that are considered to have a high technological content. Of course, this taxonomy is not static and changes over time since a technology, which is considered 'high' in a given moment, will be mainstream in the future. To derive indicators that measure the technological complexity of a country, data disaggregated by economic activities, i.e. structural business statistics (SBS) data are needed. Such data are available in INDSTAT, UNIDO's unique database of international industrial statistics.

¹⁰⁵ IMF 2020.

¹⁰⁶ Different models are proposed and analyzed in Boudt et al. (2009).

INDSTAT consists of three separate databases: Two databases, INDSTAT 4, ISIC Revision 3 and INDSTAT 4, ISIC Revision 4, present, as their names suggest, data at, respectively, the 3- and 4-digits level of ISIC Revision 3 and ISIC Revision 4.¹⁰⁷ The coverage of the two databases differs all countries at some point have switched from ISIC Revision 3 to ISIC Revision 4. This means that the ISIC Revision 3 database may contain data for a given country for the period 1990-2008, while the ISIC Revision 4 database includes data for the period 2008-2013.

INDSTAT 2, the third INDSTAT database, is available only in ISIC Revision 3 and presents data at the 2-digit level. In order to maintain continuous time series of extensive length, UNIDO converts data that has been reported in ISIC Revision 4 into ISIC Revision 3. Furthermore, data might be missing for various reasons, for example some countries such as Nepal and Thailand only report data in census years since they do not conduct annual industrial surveys. And many countries, when switching from ISIC Revision 3 to ISIC revision 4, skip one or more years due to the high workload associated with the transition. UNIDO therefore applies imputation procedures to fill the gaps. Data can also be missing at the end of the time series due to the lag with which data are reported (varies from country to country). This lag is longer than the lag of reporting National Accounts or export data and therefore the most recent SBS data is almost always missing. UNIDO performs nowcasting procedures to estimate values for the most recent year(s), which are either missing or not yet reported.

¹⁰⁷ UNSD 2002 and 2008.

For the sake of transparency, a working paper (Todorov 2017) describes the nowcasting and imputation procedures in detail. This Appendix presents only a summary of the procedure.

A single imputation technique based on the fundamental macroeconomic relationships between the considered variables (i.e. gross output and value added) is used for imputation at the level of total manufacturing. First, the missing observations for gross output are estimated based on available production indexes or value added. These estimates are obtained by deflating the known gross output values with the Index of Industrial Production (IIP) and the Consumer Price Index (CPI), both of which are available for more recent years.¹⁰⁸ Values for gross output (GO) are then estimated using the following formula:

$$EGO_t = GO_{t-1} \left(1 + \frac{IIP_t CPI_t - IIP_{t-1} CPI_{t-1}}{IIP_{t-1} CPI_{t-1}} \right) \quad (4)$$

where *EGO* is the estimated value for gross output *GO* and *CPI* is used as a proxy for a value added deflator, which is usually not available. Alternatively, a GDP deflator could be used. Total value added is then estimated by using the share of total value added in total output from the nearest available year:

$$EVA_t = GO_t \frac{VA_{t-1}}{GO_{t-1}} \quad (5)$$

where *EVA* is the estimated value added, *VA* is either observed or estimated value added and *GO* is either observed or estimated gross output. With total value added now at hand, it

¹⁰⁸ The Index of Manufacturing Value Added (IMVA) is used if IIP is not available.

is possible to estimate value added for the individual manufacturing industries. To do so, the share of each industry in total value added is again imputed with the nearest available share.

A particular indicator of interest is the share of high-tech manufacturing value added in total manufacturing value added. To compile it, UNDO classifies manufacturing industries into categories based on ISIC Revision 3; a methodology developed by the OECD.¹⁰⁹ It classifies manufacturing industries into four categories based on 3- and 4-digit ISIC Revision 3 codes: High technology industries, medium-high technology industries, medium-low technology industries and low technology industries.

There are several issues affecting the coverage both in time and space, which prevent UNIDO from using INDSTAT 4 for the calculations of this indicator:

- Many countries already report only in ISIC Revision 4 and the OECD's taxonomy of technology intensity¹⁰⁹ cannot be applied;
- Furthermore, many countries do not report the value added disaggregated at the 3- and 4-digit level;
- The most recent year (2014 in case of the CIP 2016) is missing due to a reporting lag of 2-3 years by many countries.

As described above, these issues are solved in INDSTAT 2. Therefore, UNIDO has adapted OECD's taxonomy for usage at the 2-digit level of ISIC Revision 3. However, at this

¹⁰⁹ OECD 2011.

level, medium-high and high technology manufacturing categories cannot be separated, and a common category, 'medium-high technology' is therefore created. The adopted classification is presented in Appendix Table B.2.2. As the table shows, some data at 3- or 4-digit level from INDSTAT 4 are also needed.

Note

New OECD taxonomy of industries

Recently, the OECD published a new taxonomy¹¹⁰ of industries according to their level of R&D intensity – the ratio of R&D to value added within an industry. There are several essential changes in the new taxonomy, as compared to previous OECD taxonomies: (a) it is based on the most recent version of ISIC Revision 4; (b) also non-manufacturing activities, mainly services, are included and (c) manufacturing and non-manufacturing activities are clustered into five groups indicating the R&D intensity of industries (high, medium-high, medium, medium-low, and low). The new taxonomy draws on new and expanded evidence from most OECD countries and some partner economies. It is desirable for future editions of the CIP index to apply this new taxonomy.

¹¹⁰Galindo-Rueda and Verger 2016.

The 2020 editions of INDSTAT 2 and INDSTAT 4 are used for the calculations of the CIP Index, edition 2020. The former covers 174 countries and spans the period 1963-2018 (most of the values for 2018 are UNIDO estimates). In case of the latter, 141 countries reported using ISIC Revision 3 for the period 1990-2017, and 106 countries in the reference period 2005-2017 used ISIC Revision 4. Upon extracting the necessary data from INDSTAT 2, the manufacturing industries are mapped

according to Table B.2.2. Those classified as medium–high tech are then pooled together to obtain MHVA. The total manufacturing value (ISIC Revision 3 code “D”) is used for MVA_{total} .

- *Indicator 3:* Medium- and high-tech manufacturing value added share in total manufacturing value added ($MHVA_{sh}$). It is calculated as:

$$MHVA_{sh} = \frac{MHVA}{MVA_{total}} \quad (6)$$

If a country does not report value added but only output (e.g. Armenia), the MHVA and MVA_{total} indicators are replaced by the corresponding values computed for output: medium-high tech output (MHOUT) and total manufacturing output (MOU_{total}). In this case, $MHVA_{sh}$ is approximated by:

$$MHVA_{sh} = \frac{MHOUT}{MOU_{total}} \quad (7)$$

Statistics on international trade: UN COMTRADE Database

The UN COMTRADE Database contains detailed import and export statistics reported by the statistical authorities of approximately 200 countries or regions. It comprises annual trade data from 1962 to the most recent year and is considered the most comprehensive database on international merchandise trade statistics (IMTS). Only trade of goods is covered in the database and the statistics are compiled on customs basis (i.e. administrative data), but may, however, be supplemented by survey data. The data are kept in current USD values (using an average annual exchange rate) according to the Harmonized System (HS), a 6-

digit product classification maintained by the World Customs Organization (WCO).¹¹¹

The SITC Revision 3 classification (three-digit level) by commodity classes¹¹² is used for definition of the trade-related CIP indicators due to the existence of well-established decomposition analysis by technology level of the export structure based on SITC, (see Appendix Table B.2.1).¹¹³ Exports values contain those of re-exports, but since the latter is also reported separately, by subtracting them one obtains net exports values. Some countries do not report re-exports separately and additional information is therefore needed (e.g. Statistics Singapore, www.singstat.gov.sg).

The raw indicators extracted from the COMTRADE database are: manufactured exports (MX), medium-high tech manufactured export (MHX), total exports (EXP_{total}) and manufactured exports aggregated over all countries for which data are available (MX_{world}).

- *Indicator 2:* Manufactured exports per capita (MX_{pc}) is expressed in per capita to adjust for country size. It is calculated as:

$$MX_{pc} = \frac{MX}{POP} \quad (8)$$

- *Indicator 5:* Share of manufactured exports in total exports (MX_{sh}). It is calculated as:

$$MX_{sh} = \frac{MX}{EXP_{total}} \quad (9)$$

¹¹¹ WCO 2017.

¹¹² UNSD 1986.

¹¹³ Lall 2000.

- *Indicator 6:* Share of medium- and high-tech manufactured exports in total manufactured exports (MHX_{sh}). It is calculated as:

$$MHX_{sh} = \frac{MHX}{MX} \quad (10)$$

- *Indicator 8:* Impact of a country on world manufacturing trade ($ImWMT$). It is calculated as:

$$ImWMT = \frac{MX}{MX_{world}} \quad (11)$$

Treatment of missing values and outliers

Missing data

To calculate the CIP Index, values for all eight sub-indicators must be available. In the abovementioned databases, data may be missing for some countries in certain years. Methods to increase coverage of the MVA and INDSTAT 2 databases, i.e. imputation of data gaps and nowcasting of any missing data for the most recent year(s)—as briefly described in the previous sections—are applied before the databases are published at UNIDO's data portal <http://stat.unido.org>.

However, even after such procedures, gaps still remain in the calculated “raw” CIP indicators. If not all observations are missing in the series, information from the available data can be extracted to impute values to the missing observations. Dealing with missingness through imputation takes place before normalization and aggregation.

A very simple procedure is applied: missing observations are filled in with the last

available observation prior to the missing observation (Last Observation Carried Forward, LOCF). This method has the disadvantage that observations at the beginning of the time series cannot be imputed. Moreover, in some cases it is better to use a nearer future observation instead of a very distant past one. For example, if data on a specific indicator for a given country are missing from 2006 to 2013 (2005 and 2014 are available), the simple LOCF procedure would fill in all the gaps using the value from 2005. The improved method (nearest neighbor) will fill 2006 to 2009 using the value from 2005, while the 2014 value will be used for filling in 2010 to 2013. If no value for an indicator is available in the past or future 25 years, none will be imputed. Also, past values used are limited to 1990. Appendix Tables C.2.1 and C.2.2 detail what missing observations were replaced by past or future observed values for countries with missing data in one or more CIP indicators in order to produce a complete dataset for the computation of the CIP Index, edition 2016.

Outliers

Missing data is not the only issue that needs to be dealt with. The sub-indicator data can also have outlying values that distort the CIP measurement of the country's industrial performance. There are several approaches to handling outliers. UNIDO adopts a simple yet effective rule for univariate outlier identification: Observations that are more than plus three (respectively minus three) times the median absolute deviation (MAD) from the median are winsorized and replaced by the median plus (respectively minus) three times the median absolute deviation. To account for time variation in the location and scale of the data, the median is computed while allowing a

local window of five observations, i.e. a space within which occurrences are observed. In a two-sided approach, a window of $[-2,2]$ around each observation is used and 2 observations are excluded at both the beginning and the end of the sample. With a one-sided approach, the used window would be $[-4,0]$, excluding 4 observations at the beginning of the sample. As the CIP Index is compiled, this outlier detection rule is used only as a diagnostic rule, meaning that data are not winsorized automatically and any drastic outliers are treated manually. For example, an outlier can be removed and replaced by a missing value, which is then dealt with using the above-described imputation method.

Calculating the composite index

Adopting a non-linear aggregation method, the CIP Index is calculated as the weighted geometric average of the six sub-indexes MVA_{pc} , MX_{pc} , $ImWMVA$, $ImWMT$, IND_{int} , and MX_{Qual} , with the two latter being the arithmetic mean of MVA_{sh} and $MHVA_{sh}$, and MX_{sh} and MHX_{sh} , respectively. Feasibility tests return positive and statistically significant correlations between the indicators on which the indexes are based. This confirms that the sub-indexes together can feed into a composite index and be used as a proxy for a country's overall industrial performance. As previously mentioned, values for all eight sub-indicators are required to calculate the CIP Index.

Normalization

Each of the eight I_{ijt} indicators is normalized into the range $[0, 1]$, with higher scores representing better outcomes. Normalization is carried out by the 'min-max' method, where

the minimum and maximum values of each indicator sample values are taken:

$$I_{ijt} = \frac{X_{ijt} - \min_j X_{ijt}}{\max_j X_{ijt} - \min_j X_{ijt}} \quad (12)$$

where X_{ijt} is the value of the j th country on the i th performance variable in year t , and I_{ijt} represents the i th score (country) of the i th individual performance index in year t . This is done to enable aggregation, as the indicators have different measurement units. For any index, the country with the highest score (i.e. best performance) is given a value of 1, and the country with the lowest a value of 0 (i.e. worst performance). Since all indicators are "positive", it is not necessary to reverse the meaning of any of the indicators.

After the eight indicators are normalized, the composite indexes, industrialization intensity (IND_{ind}) and export quality (MX_{Qual}), are constructed as arithmetic averages of the indicators 3 and 4, and 5 and 6, respectively.

- *Indicator 3+4: Industrialization intensity (IND_{int}):*

$$IND_{int} = \frac{MVA_{sh} + MHVA_{sh}}{2} \quad (13)$$

- *Indicator 5+6: Export quality (MX_{Qual}):*

$$MX_{Qual} = \frac{MX_{sh} + MHX_{sh}}{2} \quad (14)$$

Weighting scheme and aggregation method

Geometric aggregation is chosen as the aggregation method. Using this method, the CIP Index is constructed as a weighted geometric average of the q indicators, using

equal weights for each of the indicators and each country. The following formula is used:

$$CIP_{jt} = \left(\prod_{i=1}^q I_{ijt} \right)^{1/q} \quad (15)$$

with the CIP_{it} values in the range [0,1].

Equation (15) can also be represented using logarithms, so that the geometric mean is equal to the exponential of the arithmetic mean of the logarithms. This formula allows the multiplications to be expressed as a sum and the power as a multiplication.

$$CIP_{jt} = \exp \left[\frac{1}{q} \sum_{i=1}^q \ln I_{ijt} \right] \quad (16)$$

Equal weights are chosen because a higher correlation between the normalized indicators is associated with a smaller impact of changing the weights.¹¹⁴ Previous stability test of the CIP index showed that the year-average correlations between almost all normalized indicators are rather high. However, using equal weights is only justified if disaggregated statistics included in each composite indicator are also shown, and the transparency of the composite is maintained.¹¹⁵

¹¹⁴ Foster et al. 2012.

¹¹⁵ See Annex 3 in the Competitive Industrial Performance Report 2012-2013 for details on the calculated correlations between the eight indicators, and for a complete discussion of the adopted weight and aggregation methods.

A.2 Calculating the CIP Index: An Example

In this Appendix, the construction of CIP Index is illustrated with an example – considering one year (2014) for one country (Oman). At the same time, some issues regarding the transparency of the calculations are explained. The exemplifying tables below will indicate, which of the equations presented above are used for the various calculations.

Step 1: Building the eight “raw” indicators

The first task is to extract the necessary data from the respective international sources (in this case, UNIDO’s MVA and INDSTAT databases and the UN COMTRADE database) and to compute the raw indicators. Later, these will be normalized and aggregated.

- a) Using the MVA database, the indicators MVA_{pc} , MVA_{sh} and $ImWMVA$ are computed as shown in Table A.1.1.

Table A.1.1
Indicators computed from the MVA database

Oman	2014	Unit
MVA	7,425,304	Thousands 2010 USD
POP	3,926	Thousands
MVA_{pc}	1,891	eq. (1) Constant 2010 USD
MVA	7,425,304	Thousands 2010 USD
GDP	67,511,423	Thousands 2010 USD
MVA_{sh}	0.109986	
MVA	7,425,304	Thousands 2010 USD
MVA_{World}	11,583,834,779	Thousands 2010 USD
$ImWMVA$	0.000641	eq. (3)

- b) Using the INDSTAT database, the indicator $MHVA_{sh}$ is computed.

To calculate the share of medium-high tech value added in total manufacturing added, data for Oman is extracted in 2014 from INDSTAT 2 (by ISIC Revision 3 at 2-digit level). Using Appendix Table B.2.2, the industries classified as medium-high tech (the third column) are selected and summed up to obtain the indicator MHVA (see Table A.1.2). Total manufacturing value added (ISIC Revision 3 code “D”) is chosen for $MHVA_{total}$. The final result is shown in Table A.1.3 below.

Table A.1.2
Computing medium-high tech value added

ISIC Rev.3	Value added	MHVA
15	222,952,893	
16		
17	8,906,335	
18	2,500,239	
19	1,235,989	
20	16,716,688	
21	8,710,528	
22	43,999,485	
23	728,164,925	
24	1,553,424,435	1,553,424,435
25	44,995,658	
26	367,498,448	
27	420,325,431	
28	117,052,079	
29	110,667,385	110,667,385
30	17,733,492	17,733,492
31	189,697,999	189,697,999
32		0
33		0
34	3,382,371	3,382,371
35	1,026,516	1,026,516
36	30,625,967	
37		
D	3,889,616,861	1,875,932,198

Table A.1.3

Computing the share of medium-high tech value added in total manufacturing value added

Oman	2014	Unit
MHVA	1,875,932,198	Current Omani Rial
MVA _{total}	3,889,616,861	Current Omani Rial
MHVA _{sh}	0.482292	eq. (4)

Note**On the approach**

According to Table B.2.2, in order to obtain the precise value of ISIC 35 ('Manufacture of other transport equipment'), the value of ISIC 351 (in ISIC Revision 3) or of ISICs 3011, 3012 and 3315 (in ISIC Revision 4) have to be subtracted. However, at the time of computing the CIP Index, edition 2016 there were no data for 2014 in the INDSTAT 4 ISIC Revision 4 for Oman. The 2014 values in INDSTAT 2 were therefore nowcasted. If consulting with INDSTAT 4, one will see that while there are no values for ISICs 3012 and 3315, the value for ISIC 3011 is 920,914 Omani Rial. The latter has to be subtracted from the MHT value of 1,875,932,198 Omani Rial, and therefore the value of MHVA_{sh} changes slightly from 0.482292 to 0.482056.

- c) Using the COMTRADE database, the indicators MX_{pc} , MX_{sh} , MHX_{sh} and $ImWMT$ are computed.

The data from UN COMTRADE is downloaded in SITC Revision 3, 3-digit, by reporting country, year, partner code, commodity and flow (export and re-export). Upon applying the taxonomy of Appendix Table B.2.1 to map the technology categories to commodities, and subsequently aggregating, one obtains the information as shown in Table A.1.4.

Here, net-exports are calculated as

exports minus re-exports. Since no re-exports were reported by Oman, the column "Net exports" is identical to the "Export" column. The total export value is the sum of all categories; manufactured exports, MX, is the sum of the four categories resource-based exports (RB), low-tech exports (LT), medium-tech exports (MT) and high-tech exports (HT); and medium-high technology exports, MHX, is the sum of the categories MT and HT. The world value of manufacturing exports, MX_{world} , is the sum of all manufacturing net exports.

Table A.1.4

Computing the export-based indicators MX, MHX, total exports for Oman and MX_{world}

Tech	Export	Re-	Net export
RB	5,038,729,294		5,038,729,294
LT	738,656,713		738,656,713
MT	3,188,706,228		3,188,706,228
HT	54,682,840		54,682,840
Other	41,696,083,463		41,696,083,463
Total			50,716,858,538
MX			9,020,775,075
MHX			3,243,389,068
MX_{world}			13,920,650,924,501

Using the indicators MX, MHX, MX_{world} and total exports and applying equations (8) to (10), the four CIP sub-indicators shown in Table A.1.5 are obtained.

Table A.1.5

Computing the export-based sub-indicators

Oman	2014	Unit
MX	9,020,775,075	current USD
POP	3,926,000	current USD
MX_{pc}	2,298	eq. (8)
MX	9,020,775,075	current USD
Total	50,716,858,538	current USD
MX_{sh}	0.177865	eq. (9)
MX	9,020,775,075	current USD
MX_{world}	13,920,650,924,501	current USD
$ImWMT$	0.000648	eq. (10)

MHX	3,243,389,068	current USD
MX	9,020,775,075	current USD
MX_{sh}	0.359547	eq. (11)

Step 2: Impute missing values if necessary

In this particular example, the values for all indicators are available and no imputation is necessary. However, one must keep in mind that the value added in 2013 and 2014 in INDSTAT 2 was imputed through the standard maintenance procedures of INDSTAT production. To check the data for the presence of outliers, it is necessary to compute the complete time series. Applying the previously described outlier detection procedure shows no outlying observations for Oman in 2014.

Step 3: Normalize the indicators

The next step is to normalize the indicators within the interval [0,1] by applying equation (12). To do so, the minimum and maximum values of each indicator are needed (see Table A.1.6). The last column in the table contains the normalized indicators.

Table A.1.6
Computing the normalized sub-indicators

Oman	2014	Min	Max	Norm.
MVA _{pc}	1,891	17	14,392	0.1304
MX _{pc}	2,298	0	37,274	0.0616
ImWMVA	0.00064	0.000002	0.229128	0.0028
ImWMT	0.00068	0.000000	0.170130	0.0040
MHVA _{sh}	0.48229	0.002595	0.807070	0.5963
MHX _{sh}	0.35955	0.000000	0.937975	0.3833
MVA _{sh}	0.10999	0.004580	0.327917	0.3260
MX _{sh}	0.17786	0.005613	0.973065	0.1780

Once done, the aggregated indicators IND_{int} and MX_{Qual} are computed using equations (13) and (14) as seen in Table A.1.7.

Table A.1.7
Computing the aggregated sub-indicators, IND_{int} and MX_{Qual}

Oman	2014	
MHVA _{sh}	0.59629	
MVA _{sh}	0.32599	
IND_{int}	0.46114	eq. (13)
MHX _{sh}	0.38332	
MX _{sh}	0.17804	
MX_{Qual}	0.28068	eq. (14)

Step 4: Aggregate

The last step is to aggregate the indicators as a weighted geometric average (as seen in Table A.1.8), using equal weights for each indicator and each country.

Table A.1.8
Aggregation and computation of the final CIP index

Oman	2014	log
MVA _{pc}	0.13037	-2.03740
MX _{pc}	0.06163	-2.78656
ImWMVA	0.00279	-5.88235
ImWMT	0.00399	-5.52447
IND _{int}	0.46114	-0.77405
MX _{Qual}	0.28068	-1.27053
CIP	0.04755	eq. (16)

The logarithm is computed for each indicator by applying equation (16), and the result is then added to the third column of the table. The final CIP Index is computed as the exponential of the arithmetic mean of the logarithms in the third column.

Appendix B

B.1 Country Classifications

Industrialized countries				
Asia and the Pacific				
Australia	Israel	Macao SAR, China	Qatar	Taiwan Province, China
Bahrain	Japan	Malaysia	Republic of Korea	United Arab Emirates
Hong Kong SAR, China	Kuwait	New Zealand	Singapore	
Europe				
Austria	Finland	Italy	Norway	Spain
Belarus	France	Latvia	Poland	Sweden
Belgium	Germany	Lithuania	Portugal	Switzerland
Czechia	Hungary	Luxembourg	Russian Federation	United Kingdom
Denmark	Iceland	Malta	Slovakia	
Estonia	Ireland	Netherlands	Slovenia	
North America				
Bermuda	Canada	United States		
Latin America				
Chile	Trinidad and Tobago			
Emerging Industrial Countries				
Africa				
Mauritius	Egypt	South Africa	Suriname	Tunisia
Asia and the Pacific				
Brunei Darussalam	Indonesia	Kazakhstan	Saudi Arabia	Viet Nam
China	Iran	Oman	Sri Lanka	
India	Jordan	Philippines	Thailand	
Europe				
Bulgaria	Cyprus	North Macedonia	Romania	Ukraine
Croatia	Greece	Serbia	Turkey	
Latin America				
Argentina	Colombia	Mexico	Uruguay	Venezuela (Bolivarian Rep. of)
Brazil	Costa Rica	Suriname		
Other Developing Economies				
Africa				
Algeria	Congo	Gabon	Morocco	Nigeria
Botswana	Côte d'Ivoire	Ghana	Mozambique	Zimbabwe
Cabo Verde	Eswatini	Kenya	Namibia	
Cameroon				
Asia and the Pacific				
Armenia	Iraq	Maldives	Papua New Guinea	Tajikistan
Azerbaijan	Kyrgyzstan	Mongolia	State of Palestine	Tonga
Fiji	Lebanon	Pakistan	Syrian Arab Republic	Uzbekistan



Europe				
Albania	Bosnia and Herzegovina	Georgia	Montenegro	Republic of Moldova
Latin America				
Bahamas	Bolivia, Plurinational State of	El Salvador	Jamaica	
Barbados	Cuba	Guatemala	Paraguay	
Belize	Ecuador	Honduras	Saint Lucia	
Least Developed Countries				
Africa				
Angola	Eritrea	Madagascar	Rwanda	United Republic of Tanzania
Burundi	Ethiopia	Malawi	Senegal	
Central African Republic	Gambia	Niger	Uganda	Zambia
Asia and the Pacific				
Afghanistan	Cambodia	Myanmar	Yemen	
Bangladesh	Lao People's Dem Rep	Nepal		
Latin America				
Haiti				

Source: UNIDO 2020b.

B.2 Technology Classification of Manufacturing Exports and Production

B.2.1 Technology classification of exports

Type of export	SITC Rev. 3
Resource-based	016, 017, 023, 024, 035, 037, 046, 047, 048, 056, 058, 059, 061, 062, 073, 098, 111, 112, 122, 232, 247, 248, 251, 264, 265, 281, 282, 283, 284, 285, 286, 287, 288, 289, 322, 334, 335, 342, 344, 345, 411, 421, 422, 431, 511, 514, 515, 516, 522, 523, 524, 531, 532, 551, 592, 621, 625, 629, 633, 634, 635, 641, 661, 662, 663, 664, 667, 689
Low technology	611, 612, 613, 642, 651, 652, 654, 655, 656, 657, 658, 659, 665, 666, 673, 674, 675, 676, 677, 679, 691, 692, 693, 694, 695, 696, 697, 699, 821, 831, 841, 842, 843, 844, 845, 846, 848, 851, 893, 894, 895, 897, 898, 899
Medium technology	266, 267, 512, 513, 533, 553, 554, 562, 571, 572, 573, 574, 575, 579, 581, 582, 583, 591, 593, 597, 598, 653, 671, 672, 678, 711, 712, 713, 714, 721, 722, 723, 724, 725, 726, 727, 728, 731, 733, 735, 737, 741, 742, 743, 744, 745, 746, 747, 748, 749, 761, 762, 763, 772, 773, 775, 778, 781, 782, 783, 784, 785, 786, 791, 793, 811, 812, 813, 872, 873, 882, 884, 885
High technology	525, 541, 542, 716, 718, 751, 752, 759, 764, 771, 774, 776, 792, 871, 874, 881, 891

B.2.2 Medium-high and high technology (MHT) manufacturing categories

Description	ISIC Rev. 3
Manufacture of chemicals and chemical products	24
Manufacture of machinery and equipment	29
Manufacture of office, accounting and computing machinery	30
Manufacture of electrical machinery and apparatus	31
Manufacture of radio, television and communication equipment and apparatus	32
Manufacture of medical, precision and optical instruments, watches and clocks	33
Manufacture of motor vehicles, trailers and semi-trailers	34
Manufacture of other transport equipment, excluding:	35
- ISIC Revision 3:	
o 351=Building and repairing of ships and boats	
- ISIC Revision 4:	
o 3011=Building of ships and floating structures	
o 3012=Building of pleasure and sporting boats	
o 3315=Repair of transport equipment, except motor vehicles	

Source: OECD 2003 and UNIDO 2010.

References

- Boudt, K., Todorov, V., Upadhyaya, S., 2009. Nowcasting Manufacturing Value Added for Cross-Country Comparison. *Journal of the International Association of Official Statistics*, 26 (1-2), pp. 15-20.
- Foster, J.E., McGillivray, M. and Seth, S., 2013. Composite Indices: Rank Robustness, Statistical Association, and Redundancy. *Econometric Reviews*, 32 (1), pp. 35-56.
- IMF, 2020. *World Economic Outlook Database*. Available at: www.imf.org/external/pubs/ft/weo/2020/01/weodata/index.aspx.
- Lall, S., 2000. The Technological Structure and Performance of Developing Country Manufactured Exports, 1985-98, *Oxford Development Studies*, 28 (3), pp. 337-369.
- OECD (Organization for Economic Cooperation and Development), 2003. Annexes, in *OECD Science, Technology and Industry Scoreboard 2003*. Paris. http://dx.doi.org/10.1787/sti_scoreboard-2003-7-en
- , 2011. ISIC Rev. 3 Technology Intensity Definition: Classification of Manufacturing Industries into Categories Based on R&D Intensities. Paris.
- UNIDO (United Nations Industrial Development Organization), 2010. *Industrial Statistics: Guidelines and Methodology*. Vienna.
- , 2013. *Competitive Industrial Performance Index 2012/2013. The Industrial Competitiveness of Nations: Looking Back, Forging Ahead*. Vienna.
- , 2020a. *Competitive Industrial Performance Index, edition 2020. Database*. Vienna.
- , 2020b. *International Yearbook of Industrial Statistics 2020*. Edward Elgar Publishing Limited. Cheltenham.
- , 2020c. *Manufacturing Value Added 2020. Database*. Vienna.
- UNSD (United Nations Statistics Division), 1986. *Detailed Structure and Explanatory Notes: SITC Rev.3 (Standard International Trade Classification, Rev.3.)*. Available at: <https://unstats.un.org/unsd/classifications/Family/Detail/14>.
- , 2002. *International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 3.1*. Available at < <https://unstats.un.org/unsd/publications/catalogue?selectID=318> >.
- , 2008. *International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4*. Available at < <https://unstats.un.org/unsd/publications/catalogue?selectID=396> >.
- WCO (World Customs Organization), 2017. *HS Nomenclature 2017 Edition*. Available at: <http://www.wcoomd.org/en/topics/nomenclature/instrument-and-tools/hs-nomenclature-2017-edition.aspx>.



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