

Indexes of Industrial Production

[Table 1](#) **Industrial Production Indexes and Comparison - By Major Divisions**

[Table 2](#) **Industrial Production Indexes and Comparison - By Sectors**

Table1 Industrial Production Indexes and Comparison - By Major Divisions

2021 =100

Period	Industry	Seasonally Adjusted	Mining & Quarrying	Manu- facturing	By Usage				Electricity & Gas Supply	Water Supply	Movement of Manu- facturing Production Index
					Final Demand Goods	Investment Goods	Consumer Goods	Producer Goods			
2022 Weights (%)	1000.00	1000.00	2.12	954.08	165.63	95.47	70.16	788.45	39.95	3.84	-
2017	76.79	76.79	89.07	75.67	78.76	70.96	87.21	74.87	92.78	100.43	-
2018	79.38	79.38	85.74	78.35	82.17	77.50	88.12	77.38	94.08	100.60	-
2019	80.14	80.14	83.83	79.16	85.45	80.42	91.86	77.65	94.16	101.11	-
2020	87.16	87.16	96.32	86.52	90.42	88.02	93.39	85.56	95.78	102.50	-
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-
2022	98.35	98.35	98.85	98.21	100.95	104.36	96.96	97.64	100.64	101.34	-
Aug.	102.14	97.00	102.85	101.61	108.28	111.51	104.51	100.22	111.25	108.66	47.76
Sep.	96.06	93.15	99.74	95.51	103.27	107.81	97.95	93.91	105.17	104.32	47.80
Oct.	94.48	94.17	100.06	93.91	100.14	103.22	96.55	92.61	103.87	104.47	48.09
Nov.	94.53	92.75	102.72	94.44	104.52	107.17	101.43	92.36	95.49	98.21	48.05
Dec.	94.16	91.71	110.55	94.02	106.76	111.91	100.73	91.39	94.99	105.46	41.74
2023											
Jan.	79.19	87.75	85.59	78.68	79.23	79.89	78.66	78.56	88.28	103.29	49.81
Feb.	79.19	86.28	94.64	78.81	86.17	87.32	84.99	77.30	85.96	91.36	55.48
Mar.	88.95	85.28	114.00	88.64	106.70	110.35	102.43	84.96	93.40	99.22	48.49
Apr.	76.66	81.17	100.19	76.11	86.16	88.20	83.84	74.06	86.03	97.68	50.33
May	85.05	83.64	100.76	84.26	100.29	101.40	99.21	80.99	101.69	97.24	49.25
June	83.24	82.54	93.65	82.42	95.77	95.92	95.88	79.70	100.80	96.58	51.23
July(r)	85.18	83.95	86.86	84.13	101.27	103.53	98.72	80.64	108.03	105.41	50.09
Aug.(p)	91.38	86.64	87.91	90.74	104.42	106.68	101.88	87.93	105.78	105.54	48.74
Compared with Last Month (%)	7.28	3.20	1.21	7.86	3.11	3.04	3.20	9.04	-2.08	0.12	(-1.35)
Compared with the same Month of last year (%)	-10.53	-10.68	-14.53	-10.70	-3.56	-4.33	-2.52	-12.26	-4.92	-2.87	--
Jan.-Current Month Compared with the Same Period of Last Year (%)	-16.49	-16.22	-1.23	-17.10	-4.61	-5.95	-2.77	-19.62	-4.73	-0.91	--

Table1 Industrial Production Indexes and Comparison - By Major Divisions

Annual Change Rate (%)

Period	Industry	Seasonally Adjusted (Monthly Change)	Mining & Quarrying	Manu- facturing	By Usage				Electricity & Gas Supply	Water Supply	Movement of Manu- facturing Production Index
					Final Demand Goods	Investment Goods	Consumer Goods	Producer Goods			
2017	4.99	4.99	-2.21	5.27	4.86	5.88	4.17	5.38	2.11	1.30	--
2018	3.37	3.37	-3.74	3.54	4.33	9.22	1.04	3.35	1.40	0.17	--
2019	0.96	0.96	-2.23	1.03	3.99	3.77	4.24	0.35	0.09	0.51	--
2020	8.76	8.76	14.90	9.30	5.82	9.45	1.67	10.19	1.72	1.37	--
2021	14.73	14.73	3.82	15.58	10.60	13.61	7.08	16.88	4.41	-2.44	--
2022	-1.65	-1.65	-1.15	-1.79	0.95	4.36	-3.04	-2.36	0.64	1.34	--
Aug.	-1.82	-2.02	13.03	-1.94	5.64	6.39	4.92	-3.54	0.31	4.39	(-2.36)
Sep.	-8.54	-3.97	7.33	-8.91	1.88	5.67	-2.53	-11.16	-3.27	3.58	(0.04)
Oct.	-8.08	1.10	7.42	-8.41	-1.63	2.11	-5.94	-9.83	-3.23	2.14	(0.29)
Nov.	-9.15	-1.51	-2.99	-9.76	-1.34	-0.05	-2.78	-11.49	0.69	0.70	(-0.04)
Dec.	-11.45	-1.12	-0.44	-12.17	-4.11	-2.06	-6.48	-13.77	0.05	2.13	(-6.31)
2023											
Jan.	-23.58	-4.32	-15.41	-24.48	-21.89	-21.52	-22.10	-25.00	-5.88	-0.63	(8.07)
Feb.	-9.98	-1.68	26.32	-10.58	10.55	8.82	12.93	-14.34	0.36	1.62	(5.67)
Mar.	-16.03	-1.16	7.76	-16.89	-4.18	-4.15	-4.23	-19.61	0.10	0.53	(-6.99)
Apr.	-22.60	-4.82	1.80	-23.25	-9.48	-11.80	-6.37	-25.94	-11.21	2.07	(1.84)
May	-15.71	3.04	8.03	-16.38	4.25	0.51	9.36	-20.36	-2.15	-1.93	(-1.08)
June	-17.25	-1.32	-1.79	-17.76	-6.26	-10.80	-0.03	-20.16	-6.33	-2.83	(1.98)
July(r)	-15.46	1.71	-14.31	-15.79	-2.75	-1.50	-4.14	-18.56	-6.69	-2.52	(-1.14)
Aug.(p)	-10.53	3.20	-14.53	-10.70	-3.56	-4.33	-2.52	-12.26	-4.92	-2.87	(-1.35)

Note: 1. Movement of manufacturing production index = (The ratio of firms that expect increasing next month + The ratio of firms that expect unbiased next month × 0.5)×100

2. () is the monthly percentage point change of movement of manufacturing production index.

Table2 Industrial Production Indexes and Comparison - By Sectors(1/3)

2021 =100

Period	C Manu- facturing	08 Food & Prepared Animal Feeds	09 Beverages	10 Tobacco Products	11 Textiles	12 Wearing Apparel & Clothing Accessories	13 Leather, Fur & Related Products	14 Wood & Bamboo Products	15 Pulp, Paper & Paper Products	16 Printing & Reproduction of Recorded Media
2022 Weights (%)	954.08	25.34	4.89	10.88	12.17	1.12	0.35	1.59	10.17	3.75
2017	75.67	84.85	109.46	100.70	100.14	109.67	144.20	82.17	91.14	110.51
2018	78.35	88.47	107.13	98.13	98.65	105.25	132.79	87.31	94.84	108.55
2019	79.16	94.62	102.58	96.85	95.18	105.07	132.15	86.51	95.06	98.81
2020	86.52	97.39	104.52	90.55	90.55	95.72	93.22	86.95	97.67	97.04
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	98.21	101.60	97.33	95.48	90.81	98.93	97.40	90.04	93.67	103.01
Aug.	101.61	108.72	116.09	112.82	93.03	101.70	104.65	95.17	93.59	101.05
Sep.	95.51	97.80	100.18	106.63	83.12	83.01	90.40	84.25	91.13	96.54
Oct.	93.91	100.33	88.61	104.69	76.39	92.60	83.63	88.32	91.03	106.05
Nov.	94.44	106.54	99.55	110.43	78.67	88.54	82.96	93.35	93.44	120.20
Dec.	94.02	114.99	101.10	94.81	78.84	91.37	87.66	88.71	93.12	121.79
2023										
Jan.	78.68	94.74	81.73	70.39	59.00	64.93	58.82	63.89	75.18	80.52
Feb.	78.81	91.60	85.49	84.41	69.38	72.86	73.96	75.63	82.84	82.43
Mar.	88.64	109.94	100.84	101.41	79.26	88.26	94.43	90.92	98.40	102.09
Apr.	76.11	92.62	78.58	79.67	67.73	64.81	73.66	76.39	79.01	89.61
May	84.26	104.26	104.38	97.79	72.60	83.76	87.34	88.32	90.95	99.80
June	82.42	98.14	99.37	99.47	69.54	75.48	87.38	73.20	85.93	97.98
July(r)	84.13	102.57	112.70	103.13	74.86	72.63	81.49	79.77	86.92	104.68
Aug.(p)	90.74	109.17	112.83	107.45	79.18	81.32	89.45	83.74	88.66	100.38
Compared with Last Month (%)	7.86	6.43	0.12	4.19	5.77	11.96	9.77	4.98	2.00	-4.11
Compared with the same Month of last year (%)	-10.70	0.41	-2.81	-4.76	-14.89	-20.04	-14.52	-12.01	-5.27	-0.66
Jan.-Current Month Compared with the Same Period of Last Year (%)	-17.10	0.44	-0.33	2.00	-26.04	-27.36	-21.55	-12.96	-8.92	-4.31

Table2 Industrial Production Indexes and Comparison - By Sectors(1/3)

Annual Change Rate (%)

Period	C Manu- facturing	08 Food & Prepared Animal Feeds	09 Beverages	10 Tobacco Products	11 Textiles	12 Wearing Apparel & Clothing Accessories	13 Leather, Fur & Related Products	14 Wood & Bamboo Products	15 Pulp, Paper & Paper Products	16 Printing & Reproduction of Recorded Media
2017	5.27	2.44	4.13	19.07	-0.89	-6.66	16.16	14.47	2.00	-1.40
2018	3.54	4.27	-2.13	-2.55	-1.49	-4.03	-7.91	6.26	4.06	-1.77
2019	1.03	6.95	-4.25	-1.30	-3.52	-0.17	-0.48	-0.92	0.23	-8.97
2020	9.30	2.93	1.89	-6.50	-4.86	-8.90	-29.46	0.51	2.75	-1.79
2021	15.58	2.68	-4.32	10.44	10.44	4.47	7.27	15.01	2.39	3.05
2022	-1.79	1.60	-2.67	-4.52	-9.19	-1.07	-2.60	-9.96	-6.33	3.01
Aug.	-1.94	6.42	9.51	6.67	-9.99	-8.62	4.14	-9.69	-5.40	8.10
Sep.	-8.91	-0.33	-1.80	5.19	-14.78	-20.27	-12.07	-18.68	-3.67	7.23
Oct.	-8.41	1.14	-9.86	-4.23	-19.67	-10.19	-20.47	-12.29	-6.94	-2.48
Nov.	-9.76	3.73	2.29	2.20	-21.36	-12.94	-22.09	-8.72	-7.61	4.76
Dec.	-12.17	3.43	1.65	-8.89	-23.61	-18.93	-20.93	-11.49	-12.38	-5.79
2023										
Jan.	-24.48	-15.41	-16.09	-11.86	-43.33	-42.52	-49.05	-34.38	-25.42	-25.42
Feb.	-10.58	19.04	14.29	11.42	-15.30	-3.52	-14.38	3.04	3.09	7.58
Mar.	-16.89	4.00	-1.77	-4.86	-30.13	-33.62	-24.62	-11.02	-5.71	-6.04
Apr.	-23.25	-4.44	-16.21	13.43	-31.81	-35.91	-31.48	-18.11	-15.97	-8.33
May	-16.38	6.39	14.46	8.25	-23.99	-9.24	-11.89	-0.37	-5.23	0.64
June	-17.76	1.83	6.35	11.86	-25.54	-31.90	5.58	-17.53	-7.97	-1.10
July(r)	-15.79	-2.14	3.27	-1.45	-18.60	-30.30	-20.92	-8.38	-6.33	3.32
Aug.(p)	-10.70	0.41	-2.81	-4.76	-14.89	-20.04	-14.52	-12.01	-5.27	-0.66

Table2 Industrial Production Indexes and Comparison - By Sectors(2/3)

2021 =100

Period	17 Petroleum & Coal Products	18 Manufacture of Chemical Material and Fertilizers	19 Other Chemical Products	20 Pharmaceuticals & Medicinal Chemical Products	21 Rubber Products	22 Plastic Products	23 Other Non-metallic Mineral Products	24 Basic Metal	25 Fabricated Metal Products	26 Electronic Parts & Components
2022 Weights (%)	19.27	49.23	10.04	7.71	5.34	15.32	13.72	55.82	52.66	495.67
2017	110.71	92.57	93.90	72.78	96.49	86.39	93.58	94.02	84.26	64.34
2018	113.80	93.66	97.25	75.10	93.95	91.01	93.36	96.17	86.00	66.99
2019	112.36	90.96	96.94	82.29	97.81	91.02	91.74	89.30	83.73	68.85
2020	94.65	92.36	94.49	91.06	96.36	95.00	95.55	88.99	86.31	82.63
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	106.12	86.63	93.87	106.54	94.26	92.14	93.21	86.00	92.34	101.04
Aug.	111.64	78.68	97.25	98.18	99.28	96.76	93.07	77.34	96.75	106.40
Sep.	109.11	76.19	86.71	98.84	90.77	89.72	85.17	76.17	89.75	98.69
Oct.	102.42	80.00	88.35	96.21	85.88	84.34	86.84	80.50	86.40	96.65
Nov.	83.34	76.27	86.75	101.00	90.58	83.47	89.79	78.30	91.83	96.93
Dec.	102.37	77.33	86.22	111.80	88.95	84.88	96.48	79.77	90.14	94.49
2023										
Jan.	103.74	71.49	69.41	95.32	63.91	64.88	75.82	69.81	66.16	82.34
Feb.	105.26	75.50	80.38	94.13	82.52	74.74	80.60	78.10	79.30	75.60
Mar.	100.03	83.60	90.25	117.98	90.82	89.38	98.88	86.13	93.83	81.31
Apr.	95.69	77.13	80.28	92.08	72.30	76.25	90.06	81.87	79.75	70.46
May	116.50	78.06	91.47	110.85	82.04	87.19	95.38	78.56	87.83	77.59
June	102.76	75.16	89.75	124.63	74.49	84.43	87.53	73.64	82.97	78.25
July(r)	104.75	76.03	89.69	125.38	75.94	85.33	90.01	76.10	83.16	78.87
Aug.(p)	108.93	78.26	94.80	140.31	79.88	89.81	91.90	77.94	88.03	88.55
Compared with Last Month (%)	3.99	2.93	5.70	11.91	5.19	5.25	2.10	2.42	5.86	12.27
Compared with the same Month of last year (%)	-2.43	-0.53	-2.52	42.91	-19.54	-7.18	-1.26	0.78	-9.01	-16.78
Jan.-Current Month Compared with the Same Period of Last Year (%)	-4.40	-15.70	-11.88	3.45	-19.75	-14.58	-6.59	-13.26	-11.85	-23.34

Table2 Industrial Production Indexes and Comparison - By Sectors(2/3)

Annual Change Rate (%)

Period	17 Petroleum & Coal Products	18 Manufacture of Chemical Material and Fertilizers	19 Other Chemical Products	20 Pharmaceuticals & Medicinal Chemical Products	21 Rubber Products	22 Plastic Products	23 Other Non-metallic Mineral Products	24 Basic Metal	25 Fabricated Metal Products	26 Electronic Parts & Components
2017	-4.81	1.41	6.92	2.03	4.80	3.31	-3.99	2.52	3.45	7.65
2018	2.79	1.18	3.57	3.19	-2.63	5.35	-0.24	2.29	2.07	4.12
2019	-1.27	-2.88	-0.32	9.57	4.11	0.01	-1.74	-7.14	-2.64	2.78
2020	-15.76	1.54	-2.53	10.66	-1.48	4.37	4.15	-0.35	3.08	20.01
2021	5.65	8.27	5.83	9.82	3.78	5.26	4.66	12.37	15.86	21.02
2022	6.12	-13.37	-6.13	6.54	-5.74	-7.86	-6.79	-14.00	-7.66	1.04
Aug.	1.82	-23.10	-2.38	-14.54	0.23	-7.04	-7.50	-24.24	-5.64	1.92
Sep.	10.05	-21.80	-10.99	-24.46	-7.83	-6.50	-13.51	-22.29	-8.74	-9.82
Oct.	4.35	-20.26	-5.95	5.08	-10.26	-14.65	-14.33	-21.12	-11.68	-7.79
Nov.	-11.18	-23.68	-10.44	-10.14	-8.47	-17.34	-13.16	-21.42	-7.63	-8.67
Dec.	-3.25	-22.00	-15.83	12.34	-15.62	-16.66	-8.88	-21.09	-13.13	-12.15
2023										
Jan.	-10.07	-27.16	-30.40	-3.50	-36.80	-34.81	-25.64	-23.57	-31.83	-23.77
Feb.	5.45	-14.67	4.13	38.51	3.28	-2.39	3.84	-7.75	5.97	-20.28
Mar.	15.82	-11.85	-17.69	14.32	-19.07	-15.54	-5.48	-13.50	-11.63	-24.43
Apr.	-11.89	-19.23	-19.05	-10.63	-24.76	-20.04	-9.33	-12.37	-15.77	-31.01
May	-0.78	-19.95	-10.67	-29.44	-14.16	-10.41	-1.93	-20.34	-8.88	-24.15
June	-16.38	-16.60	-8.17	-8.93	-20.52	-13.18	-6.62	-17.38	-8.67	-23.26
July(r)	-8.23	-12.08	-5.93	18.78	-21.73	-9.88	-2.86	-8.49	-10.78	-22.99
Aug.(p)	-2.43	-0.53	-2.52	42.91	-19.54	-7.18	-1.26	0.78	-9.01	-16.78

Table2 Industrial Production Indexes and Comparison - By Sectors(3/3)

2021 =100

Period			27 Computers, Electronic & Optical Products	28 Electrical Equipment	29 Machinery & Equipment	30 Motor Vehicles & Parts	31 Other Transport Equipment & Parts	32 Furniture	33 Other Manufacturing	34 Repair & Installation of Industrial Mach. & Eq.
	2611 Integrated Circuits	2641 Liquid Crystal Panel & Components								
2022 Weights (%)	352.97	29.87	52.45	16.52	36.37	18.70	14.29	2.35	9.35	9.00
2017	56.59	91.78	62.60	84.56	80.80	91.97	70.32	74.64	71.55	92.38
2018	60.35	88.92	67.26	86.97	88.26	88.28	74.44	78.70	78.20	105.83
2019	63.46	80.33	80.38	84.15	79.00	88.88	80.98	83.30	82.25	108.41
2020	80.88	83.98	91.48	88.71	80.62	86.24	81.98	91.71	86.12	95.30
2021	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2022	106.09	71.55	107.80	96.04	97.11	101.35	111.90	82.32	88.15	111.62
Aug.	115.60	54.63	119.60	101.66	100.26	98.96	122.85	79.08	93.12	108.28
Sep.	105.79	49.22	118.40	91.11	96.07	104.73	113.79	72.82	86.18	105.14
Oct.	104.07	48.91	110.31	90.54	90.44	101.88	107.66	69.36	85.23	114.85
Nov.	103.99	57.08	111.12	95.51	93.63	109.11	107.95	76.13	88.29	116.94
Dec.	102.58	54.74	109.39	93.80	96.54	108.25	102.35	74.31	92.08	129.22
2023										
Jan.	90.28	45.39	85.54	73.16	66.77	78.97	83.92	52.13	64.99	103.10
Feb.	80.00	47.99	87.03	87.96	72.35	94.39	90.29	57.27	72.10	112.96
Mar.	84.15	54.07	113.29	99.17	90.12	118.04	103.84	73.07	81.99	131.19
Apr.	70.50	54.72	84.59	81.21	74.62	94.75	81.91	62.59	72.60	108.32
May	77.86	60.87	101.56	94.71	86.52	113.01	99.80	75.30	83.32	114.18
June	79.54	60.90	99.85	89.08	82.03	100.50	83.49	82.39	78.18	131.54
July(r)	80.00	58.46	118.44	87.48	80.12	105.03	85.72	73.23	76.66	111.09
Aug.(p)	92.20	60.72	122.99	89.41	83.57	100.25	87.98	85.31	86.07	112.01
Compared with Last Month (%)	15.25	3.87	3.84	2.21	4.31	-4.55	2.64	16.50	12.27	0.83
Compared with the same Month of last year (%)	-20.24	11.15	2.83	-12.05	-16.65	1.30	-28.38	7.88	-7.57	3.44
Jan.-Current Month Compared with the Same Period of Last Year (%)	-23.59	-31.68	-3.68	-10.15	-19.34	1.61	-21.30	-19.26	-12.77	5.84

Table2 Industrial Production Indexes and Comparison - By Sectors(3/3)

Annual Change Rate (%)

Period			27 Computers, Electronic & Optical Products	28 Electrical Equipment	29 Machinery & Equipment	30 Motor Vehicles & Parts	31 Other Transport Equipment & Parts	32 Furniture	33 Other Manufacturing	34 Repair & Installation of Industrial Mach. & Eq.
	2611 Integrated Circuits	2641 Liquid Crystal Panel & Components								
2017	7.71	20.56	5.17	-0.26	12.36	-0.39	5.70	6.60	8.29	20.30
2018	6.64	-3.12	7.44	2.85	9.23	-4.01	5.86	5.44	9.29	14.56
2019	5.15	-9.66	19.51	-3.24	-10.49	0.68	8.79	5.84	5.18	2.44
2020	27.45	4.54	13.81	5.42	2.05	-2.97	1.23	10.10	4.71	-12.09
2021	23.64	19.08	9.31	12.73	24.04	15.96	21.98	9.04	16.12	4.93
2022	6.09	-28.45	7.80	-3.96	-2.89	1.35	11.90	-17.68	-11.85	11.62
Aug.	10.64	-46.44	13.85	-4.32	-3.85	13.29	12.60	-23.73	-9.89	8.97
Sep.	-5.61	-53.12	11.92	-8.98	-7.92	7.51	8.17	-28.98	-16.39	5.00
Oct.	-0.59	-52.39	8.66	-9.03	-11.97	3.48	5.36	-32.40	-21.50	12.91
Nov.	-1.62	-48.16	-0.95	-7.15	-10.96	4.33	-3.11	-22.77	-17.08	9.03
Dec.	-6.07	-47.23	-4.14	-13.09	-12.52	-1.20	-10.63	-32.70	-12.69	7.74
2023										
Jan.	-18.79	-56.67	-17.38	-28.53	-33.23	-24.61	-26.48	-51.23	-33.58	-1.29
Feb.	-16.57	-51.09	6.32	7.11	-10.94	25.35	2.42	-12.78	4.33	34.08
Mar.	-22.85	-46.28	-3.85	-12.59	-20.15	1.20	-14.20	-27.51	-16.29	14.58
Apr.	-33.09	-34.55	-12.54	-14.30	-22.51	-3.03	-27.91	-25.27	-15.30	-1.16
May	-25.90	-23.14	0.45	1.89	-11.54	30.15	-7.70	-15.35	0.30	-3.07
June	-25.55	-7.28	-11.17	-6.16	-19.49	-2.56	-31.24	-3.87	-12.09	13.13
July(r)	-25.69	-5.74	6.42	-11.83	-18.45	-3.55	-29.56	-13.23	-15.14	-6.02
Aug.(p)	-20.24	11.15	2.83	-12.05	-16.65	1.30	-28.38	7.88	-7.57	3.44