

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

2016 =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		Producer Goods			
						Investment Goods	Consumer Goods				
2021 Weights (%)	1000.00	1000.00	2.85	933.92	185.33	79.92	105.41	748.59	58.34	4.89	-
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	-
2017	105.00	105.00	98.00	105.27	104.10	105.15	103.41	105.60	102.22	101.30	-
2018	108.83	108.83	94.42	109.41	108.21	113.82	104.64	109.74	102.62	101.39	-
2019	108.45	108.45	90.96	108.92	112.60	120.85	107.38	107.99	103.79	101.75	-
2020	116.13	116.13	106.63	117.15	116.07	130.56	107.04	117.54	105.01	103.07	-
2021	131.71	131.71	110.76	133.86	127.36	147.24	115.14	135.86	109.39	100.47	-
Nov.	137.05	133.38	117.33	140.18	135.42	159.00	121.01	141.67	103.95	97.99	53.12
Dec.	140.78	133.58	122.96	144.10	140.44	168.41	123.44	145.27	105.14	103.48	48.47
2022											
Jan.	136.94	136.47	112.06	140.15	127.44	148.71	114.38	143.80	101.40	102.28	42.64
Feb.	116.91	141.06	83.17	119.16	98.92	118.74	86.84	124.76	93.24	90.30	56.30
Mar.	139.36	132.21	117.52	142.39	140.82	171.38	122.22	143.10	106.58	99.55	49.37
Apr.	131.58	137.18	109.06	134.01	120.60	148.69	103.53	137.83	106.13	96.53	51.51
May	134.84	135.76	103.63	136.95	124.35	152.81	107.04	140.58	113.82	100.01	49.38
June	135.79	134.99	105.88	137.56	131.69	164.42	111.84	139.41	119.36	100.25	49.14
July	136.58	136.29	112.61	137.67	134.68	163.28	117.27	138.75	128.16	109.07	50.12
Aug.	141.00	135.03	114.05	142.80	140.09	174.61	119.14	143.82	123.78	109.60	47.76
Sep.	132.53	128.02	110.73	134.41	134.34	169.45	113.07	134.70	113.51	105.23	47.80
Oct.(r)	129.81	129.30	110.77	131.69	129.58	159.89	111.16	132.53	110.38	105.37	48.09
Nov.(p)	130.30	127.93	109.74	132.80	134.75	166.57	115.43	132.59	103.87	99.03	48.05
Compared with Last Month (%)	0.38	-1.06	-0.93	0.84	3.99	4.18	3.84	0.05	-5.90	-6.02	(-0.04)
Compared with the same Month of last year (%)	-4.93	-4.09	-6.47	-5.26	-0.49	4.76	-4.61	-6.41	-0.08	1.06	--
Jan.-Current Month Compared with the Same Period of Last Year (%)	1.80	1.89	-1.40	1.87	2.12	8.77	-2.89	1.80	1.05	1.38	--

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		Producer Goods			
						Investment Goods	Consumer Goods				
2016	1.97	1.97	-9.67	1.91	-0.04	-2.73	1.81	2.45	3.43	0.50	--
2017	5.00	5.00	-2.00	5.27	4.10	5.15	3.41	5.60	2.22	1.30	--
2018	3.65	3.65	-3.65	3.93	3.95	8.25	1.19	3.92	0.39	0.09	--
2019	-0.35	-0.35	-3.66	-0.45	4.06	6.18	2.62	-1.59	1.14	0.36	--
2020	7.08	7.08	17.23	7.56	3.08	8.03	-0.32	8.84	1.18	1.30	--
2021	13.42	13.42	3.87	14.26	9.73	12.78	7.57	15.59	4.17	-2.52	--
Nov.	11.53	-0.47	3.51	12.34	8.81	13.58	5.45	13.36	2.51	-5.25	(2.41)
Dec.	8.69	0.15	1.92	9.17	3.13	7.34	0.09	10.95	3.84	-3.25	(-4.65)
2022											
Jan.	8.39	2.16	-8.17	8.92	2.92	6.92	0.05	10.46	1.02	-1.83	(-5.83)
Feb.	9.47	3.36	-13.77	9.61	4.94	11.21	0.39	10.39	9.15	-3.40	(13.66)
Mar.	2.40	-6.27	-3.37	2.21	8.68	16.30	3.10	0.59	5.02	-2.20	(-6.93)
Apr.	6.42	3.76	-8.33	6.56	-0.95	6.56	-6.54	8.51	5.41	1.39	(2.14)
May	4.14	-1.04	-8.94	4.75	-2.94	3.26	-7.64	6.82	-2.90	1.34	(-2.13)
June	0.54	-0.57	4.59	0.33	0.49	9.00	-5.91	0.31	3.76	2.78	(-0.24)
July	1.63	0.96	4.22	1.61	2.05	6.98	-1.69	1.57	3.02	4.22	(0.98)
Aug.	3.26	-0.92	13.14	3.44	6.51	11.35	2.57	2.69	1.00	4.77	(-2.36)
Sep.	-4.49	-5.19	7.67	-4.52	3.62	13.76	-3.97	-6.56	-4.69	3.98	(0.04)
Oct.(r)	-4.27	1.00	7.47	-4.20	-0.84	6.96	-6.64	-5.03	-5.93	2.51	(0.29)
Nov.(p)	-4.93	-1.06	-6.47	-5.26	-0.49	4.76	-4.61	-6.41	-0.08	1.06	(-0.04)

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)

2016 =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
2021 Weights (%)	933.92	24.18	7.14	14.13	11.45	0.85	0.33	0.88	8.53	4.33
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	105.27	100.57	102.81	119.06	97.84	89.27	103.83	103.34	100.22	96.97
2018	109.41	102.15	99.27	116.03	94.79	81.29	97.44	107.43	101.32	95.28
2019	108.92	105.95	94.15	114.52	90.02	79.47	99.20	99.87	100.74	84.73
2020	117.15	105.82	97.75	107.06	79.35	69.65	78.20	102.10	100.35	82.45
2021	133.86	107.55	92.31	118.24	90.10	76.30	82.51	120.21	102.71	84.98
Nov.	140.18	109.38	90.00	127.75	91.72	80.24	83.76	121.39	103.01	96.80
Dec.	144.10	118.35	91.22	123.04	94.17	89.28	87.68	119.32	108.60	110.08
2022										
Jan.	140.15	120.93	89.50	94.43	92.69	83.69	87.74	114.40	100.83	91.46
Feb.	119.16	84.43	69.54	89.58	75.69	53.55	66.47	86.26	79.39	64.50
Mar.	142.39	113.96	95.94	126.04	100.71	84.66	96.08	123.84	104.80	92.52
Apr.	134.01	104.09	87.76	83.05	89.39	72.47	82.19	112.44	95.68	83.35
May	136.95	105.70	84.49	106.81	84.77	68.35	84.66	109.58	96.34	84.65
June	137.56	104.44	88.29	105.14	82.31	76.52	65.40	106.06	94.11	84.23
July	137.67	112.59	102.10	123.74	82.81	72.28	78.53	103.53	93.76	85.80
Aug.	142.80	116.47	107.74	133.40	83.22	74.10	77.91	116.12	96.24	85.40
Sep.	134.41	104.56	94.01	126.08	76.72	58.68	71.79	102.10	92.54	82.25
Oct.(r)	131.69	107.74	81.50	123.79	71.52	65.86	64.62	109.22	91.47	90.06
Nov.(p)	132.80	113.76	93.45	130.58	71.05	62.83	66.14	115.60	89.13	99.09
Compared with Last Month (%)	0.84	5.59	14.66	5.49	-0.66	-4.60	2.35	5.84	-2.56	10.03
Compared with the same Month of last year (%)	-5.26	4.00	3.83	2.22	-22.54	-21.70	-21.04	-4.77	-13.47	2.37
Jan.-Current Month Compared with the Same Period of Last Year (%)	1.87	1.40	-2.19	-4.10	-7.71	-6.46	-6.75	-9.38	-7.97	3.70

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
2016	1.91	3.78	-1.55	23.40	-4.53	-5.63	-18.11	-0.87	1.10	-1.71
2017	5.27	0.57	2.81	19.06	-2.16	-10.73	3.83	3.34	0.22	-3.03
2018	3.93	1.57	-3.44	-2.54	-3.12	-8.94	-6.15	3.96	1.10	-1.74
2019	-0.45	3.72	-5.16	-1.30	-5.03	-2.24	1.81	-7.04	-0.57	-11.07
2020	7.56	-0.12	3.82	-6.51	-11.85	-12.36	-21.17	2.23	-0.39	-2.69
2021	14.26	1.63	-5.57	10.44	13.55	9.55	5.51	17.74	2.35	3.07
Nov.	12.34	5.79	6.91	7.09	6.33	0.69	6.44	12.66	-0.02	2.73
Dec.	9.17	3.29	-6.09	4.22	2.15	13.16	6.73	-1.27	0.15	6.34
2022										
Jan.	8.92	2.94	4.31	-8.38	1.19	17.77	9.21	-2.67	-4.80	2.21
Feb.	9.61	-3.08	-9.76	14.55	4.31	-12.21	18.21	1.29	-7.38	4.27
Mar.	2.21	3.00	-12.25	12.48	2.49	15.81	6.87	3.82	-5.89	11.02
Apr.	6.56	0.24	-5.98	-23.20	-0.72	9.06	-3.99	-8.77	-6.95	-3.96
May	4.75	-0.60	-13.28	-13.77	-6.90	-4.75	-4.14	-16.44	-10.00	6.87
June	0.33	-0.62	6.44	-26.88	-9.81	-3.76	-20.32	-18.23	-9.67	7.64
July	1.61	1.55	8.28	-0.82	-10.39	-11.04	-6.09	-17.69	-10.84	1.19
Aug.	3.44	5.97	9.48	6.66	-10.42	-12.19	-4.39	-7.96	-6.50	7.65
Sep.	-4.52	-0.37	-2.98	5.19	-12.26	-27.25	-15.48	-17.68	-4.05	7.71
Oct.(r)	-4.20	1.04	-10.40	-4.22	-18.54	-14.37	-24.97	-8.84	-7.88	-3.70
Nov.(p)	-5.26	4.00	3.83	2.22	-22.54	-21.70	-21.04	-4.77	-13.47	2.37

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

2016 =100

Period	17 Petroleum & Coal Products	18 Chemical, Fertilizers, Nitrogen Compounds, Plastic & Rubber, Man-made Fibres	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
2021 Weights (%)	35.15	69.17	13.56	7.48	6.35	12.70	9.93	62.71	47.08	440.24
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	95.20	102.67	107.98	99.12	102.79	101.95	97.49	102.73	100.03	108.20
2018	97.95	104.56	110.94	102.40	99.38	104.01	100.52	105.08	100.43	113.97
2019	96.86	99.97	109.79	109.84	102.72	102.05	97.17	96.74	93.85	114.10
2020	81.12	100.32	104.76	117.30	100.16	103.24	97.62	95.97	92.79	136.31
2021	85.44	110.33	110.86	127.53	103.22	109.97	105.26	107.85	106.25	161.16
Nov.	80.07	110.27	109.11	143.36	102.24	112.08	110.11	106.28	103.75	171.83
Dec.	90.19	108.49	114.84	127.07	108.32	110.66	114.29	106.91	108.61	176.92
2022										
Jan.	97.76	106.75	112.52	123.80	103.28	109.49	111.11	97.23	100.73	177.60
Feb.	84.64	96.42	88.71	85.01	81.44	84.37	80.27	91.59	80.75	156.13
Mar.	73.83	103.78	123.12	130.61	114.70	116.43	108.71	106.64	109.89	174.91
Apr.	92.04	103.84	109.42	123.38	99.35	106.47	104.01	99.47	99.12	169.04
May	100.95	107.33	114.98	178.79	97.09	106.60	102.84	106.64	101.72	169.89
June	104.93	98.86	107.81	164.41	95.86	107.38	99.60	96.48	94.56	171.62
July	97.94	93.43	105.19	130.93	98.54	106.84	102.67	88.88	94.32	174.50
Aug.	97.26	85.13	105.51	128.65	101.38	109.24	102.58	80.76	98.78	187.97
Sep.	93.53	81.97	97.05	127.19	91.40	101.12	96.87	80.45	91.92	174.04
Oct.(r)	87.92	85.84	98.14	124.39	87.11	95.57	95.73	84.97	89.56	169.87
Nov.(p)	70.81	81.74	99.48	124.76	90.61	94.31	96.08	83.05	93.72	173.59
Compared with Last Month (%)	-19.46	-4.78	1.37	0.30	4.02	-1.32	0.37	-2.26	4.64	2.19
Compared with the same Month of last year (%)	-11.56	-25.87	-8.83	-12.97	-11.38	-15.85	-12.74	-21.86	-9.67	1.02
Jan.-Current Month Compared with the Same Period of Last Year (%)	7.13	-14.02	-4.41	2.75	-6.16	-5.89	-4.21	-14.42	-9.54	8.09

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

Annual Change Rate (%)

Period	17 Petroleum & Coal Products	18 Chemical, Fertilizers, Nitrogen Compounds, Plastic & Rubber, Man-made Fibres	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
2016	1.02	0.20	-1.50	4.70	-6.02	-1.92	-7.89	4.16	-1.38	4.66
2017	-4.80	2.67	7.98	-0.88	2.79	1.95	-2.51	2.73	0.03	8.20
2018	2.89	1.84	2.74	3.31	-3.32	2.02	3.11	2.29	0.40	5.33
2019	-1.11	-4.39	-1.04	7.27	3.36	-1.88	-3.33	-7.94	-6.55	0.11
2020	-16.25	0.35	-4.58	6.79	-2.49	1.17	0.46	-0.80	-1.13	19.47
2021	5.33	9.98	5.82	8.72	3.06	6.52	7.83	12.38	14.51	18.23
Nov.	1.33	2.89	-1.07	13.15	-8.14	5.06	7.42	8.34	6.50	17.60
Dec.	15.76	-2.40	0.24	8.10	-10.72	-3.24	6.43	-1.22	-2.10	16.94
2022										
Jan.	19.57	-6.71	-2.11	4.33	-2.72	1.52	1.86	-13.33	-3.96	18.84
Feb.	12.85	-3.02	1.35	8.68	1.72	-0.54	0.09	-2.76	-4.20	16.71
Mar.	-13.73	-8.71	1.09	7.83	-2.27	-3.92	-0.62	-5.23	-6.00	3.82
Apr.	14.19	-5.23	-2.80	15.93	-6.70	-2.47	-2.70	-7.27	-7.55	15.53
May	11.56	-6.24	0.23	39.26	-9.56	-5.11	-5.82	-4.32	-6.93	13.10
June	21.83	-10.55	-5.22	16.74	-8.49	-6.99	-4.41	-11.41	-14.04	3.29
July	5.53	-17.45	-10.75	-4.33	-6.00	-8.76	-5.32	-19.24	-15.95	10.39
Aug.	4.17	-24.02	-5.71	-8.61	-0.34	-4.10	-1.83	-27.01	-9.52	13.07
Sep.	10.09	-23.90	-9.22	-25.09	-9.48	-4.64	-3.91	-23.34	-12.38	-2.05
Oct.(r)	4.33	-22.11	-5.99	4.63	-11.49	-12.34	-9.71	-21.96	-13.66	0.63
Nov.(p)	-11.56	-25.87	-8.83	-12.97	-11.38	-15.85	-12.74	-21.86	-9.67	1.02

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

2016 =100

Period			27	28	29	30	31	32	33	34
	2611 Integrated Circuits	2641 Liquid Crystal Panel & Components	Computers, Electronic & Optical Products	Electrical Equipment	Machinery & Equipment	Motor Vehicles & Parts	Other Transport Equipment & Parts	Furniture	Other Manufacturing	Repair & Installation of Industrial Mach. & Eq.
2021 Weights (%)	276.37	46.05	49.98	17.34	37.42	18.64	13.78	2.24	13.08	5.26
2016	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2017	109.36	117.69	104.49	97.94	110.86	100.38	105.72	99.96	112.04	116.28
2018	119.00	113.52	116.50	100.47	119.98	94.60	107.30	100.24	126.64	129.13
2019	120.69	102.54	149.71	97.54	103.49	93.64	115.24	100.07	130.46	128.44
2020	153.86	108.41	166.88	101.06	101.94	89.49	117.55	103.24	128.49	110.78
2021	182.93	133.57	181.40	112.81	128.38	104.75	133.34	124.18	156.66	116.72
Nov.	195.23	146.00	205.33	115.67	135.28	109.10	146.84	123.89	166.73	123.86
Dec.	206.94	138.03	206.06	120.26	141.15	113.84	148.49	138.28	162.98	144.01
2022										
Jan.	209.22	141.36	183.23	122.62	129.11	108.41	148.43	128.55	150.34	111.32
Feb.	180.12	131.34	149.39	92.72	105.03	78.36	111.97	82.43	109.70	91.56
Mar.	202.02	135.22	217.34	128.04	143.71	120.23	153.59	125.96	149.36	131.83
Apr.	198.79	111.56	175.65	107.47	124.24	100.96	148.20	108.07	133.47	143.91
May	201.02	105.46	186.50	105.73	128.03	91.61	135.36	120.44	127.46	152.60
June	208.10	85.86	211.29	114.63	131.94	107.36	158.43	111.93	135.49	151.71
July	214.09	78.94	211.34	110.98	128.88	113.31	162.75	113.65	139.34	150.26
Aug.	241.15	70.04	226.04	116.68	132.14	102.98	163.08	103.93	146.38	140.49
Sep.	221.02	62.73	228.03	104.83	125.61	109.88	150.55	98.77	137.19	134.87
Oct.(r)	215.52	64.05	213.87	105.56	116.83	106.96	141.71	90.65	135.71	148.93
Nov.(p)	221.09	76.00	215.18	108.13	116.77	115.68	144.11	95.51	138.22	149.55
Compared with Last Month (%)	2.58	18.66	0.61	2.43	-0.05	8.15	1.69	5.36	1.85	0.42
Compared with the same Month of last year (%)	13.25	-47.95	4.80	-6.52	-13.68	6.03	-1.86	-22.91	-17.10	20.74
Jan.-Current Month Compared with the Same Period of Last Year (%)	16.29	-27.46	12.54	-1.31	-1.23	1.10	11.48	-12.73	-12.47	19.93

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

Annual Change Rate (%)

Period			27	28	29	30	31	32	33	34
	2611 Integrated Circuits	2641 Liquid Crystal Panel & Components	Computers, Electronic & Optical Products	Electrical Equipment	Machinery & Equipment	Motor Vehicles & Parts	Other Transport Equipment & Parts	Furniture	Other Manufacturing	Repair & Installation of Industrial Mach. & Eq.
2016	13.52	-9.68	-3.97	1.84	-5.76	-3.76	-5.45	-0.28	5.75	15.17
2017	9.36	17.69	4.49	-2.06	10.86	0.38	5.72	-0.04	12.04	16.28
2018	8.81	-3.54	11.49	2.58	8.23	-5.76	1.49	0.28	13.03	11.05
2019	1.42	-9.67	28.51	-2.92	-13.74	-1.01	7.40	-0.17	3.02	-0.53
2020	27.48	5.72	11.47	3.61	-1.50	-4.43	2.00	3.17	-1.51	-13.75
2021	18.89	23.21	8.70	11.63	25.94	17.05	13.43	20.28	21.92	5.36
Nov.	16.49	26.39	14.02	7.32	20.63	-1.83	11.21	8.21	14.61	19.21
Dec.	21.64	8.87	6.76	1.79	7.18	-8.58	1.46	-1.98	6.26	21.41
2022										
Jan.	23.99	14.93	4.37	13.99	11.46	-5.44	15.46	2.02	-0.42	1.83
Feb.	19.90	13.08	9.88	12.61	11.27	-0.57	11.06	-9.15	-3.05	-1.04
Mar.	2.06	0.57	24.88	8.70	9.94	5.07	13.21	-7.59	-9.02	3.41
Apr.	24.99	-15.49	8.10	-3.10	0.62	-3.91	19.45	-5.72	-12.13	31.76
May	21.17	-19.07	3.81	-8.31	-0.70	-15.73	6.68	2.74	-17.65	36.46
June	7.72	-34.04	16.23	0.59	-2.14	0.72	24.33	-13.29	-13.31	27.49
July	23.72	-42.01	12.84	-8.23	-5.21	5.47	14.87	-12.44	-11.60	26.23
Aug.	29.12	-48.82	19.74	-3.23	-1.67	8.94	12.04	-19.15	-10.49	25.40
Sep.	6.49	-55.56	18.72	-6.84	-5.75	8.47	7.92	-22.88	-15.31	18.13
Oct.(r)	13.07	-53.80	13.86	-8.93	-11.71	4.26	5.31	-28.95	-22.80	26.09
Nov.(p)	13.25	-47.95	4.80	-6.52	-13.68	6.03	-1.86	-22.91	-17.10	20.74