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STATISTICAL RELEASE

P3041.2

Manufacturing: Production and sales (Preliminary)

May 2022

This is the first publication with weights based on national accounts value added data for 2017–2019 and base year 2019=100. Previously, the manufacturing divisions and total manufacturing production indices were calculated using weights based on national accounts value added data for 2016–2018 with the base year 2015=100.

Embargoed until:
12 July 2022
13:00

ENQUIRIES:
Nicolai Claassen
Tel: 072 310 5351

FORTHCOMING ISSUE:
June 2022

EXPECTED RELEASE DATE:
11 August 2022

Dipalopalo tsa Aforikaborwa • Dipalopalo tsa Aforika Borwa • Ezazibalo zaseNingizimu Afrika • Tshitatistika Afrika Tshipembe • Tinhlayo Afrika-Dzonga

Statistieke Suid-Afrika • Dipalopalo tša Aforika Borwa • Telubalo zaseNingizimu Afrika • EzeeNkcukacha maNani zoMzantsi Afrika • limbalobalo zeSewula Afrika

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Production: results for May 2022

Table A – Key growth rates in the volume of manufacturing production

	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Year-on-year % change, unadjusted	-0,7	3,1	1,8	-0,1	-7,6	-2,3
Month-on-month % change, seasonally adjusted	1,1	2,4	-0,9	0,2	-5,7	-0,2
3-month % change, seasonally adjusted ¹	2,4	4,3	4,0	4,7	-0,7	-3,4

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 2,3% in May 2022 compared with May 2021. The largest negative contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-19,2% and contributing -2,1 percentage points);
- food and beverages (-4,1% and contributing -0,9 of a percentage point);
- wood and wood products, paper, publishing and printing (-8,1% and contributing -0,8 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (-2,3% and contributing -0,5 of a percentage point).

The petroleum, chemical products, rubber and plastic products division was a significant positive contributor (7,5% and contributing 1,5 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 0,2% in May 2022 compared with April 2022. This followed month-on-month changes of -5,7% in April 2022 and 0,2% in March 2022 – see Table A.

Seasonally adjusted manufacturing production decreased by 3,4% in the three months ended May 2022 compared with the previous three months. Nine of the ten manufacturing divisions reported negative growth rates over this period.

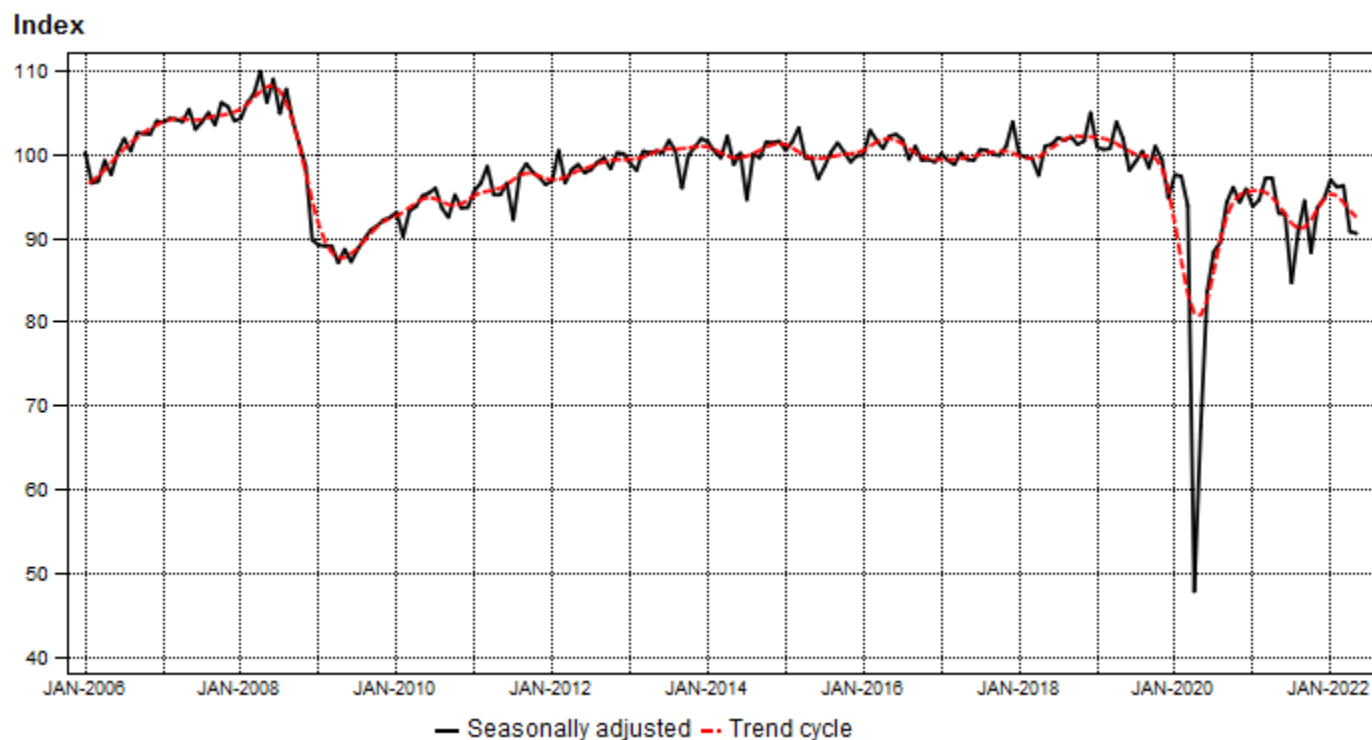
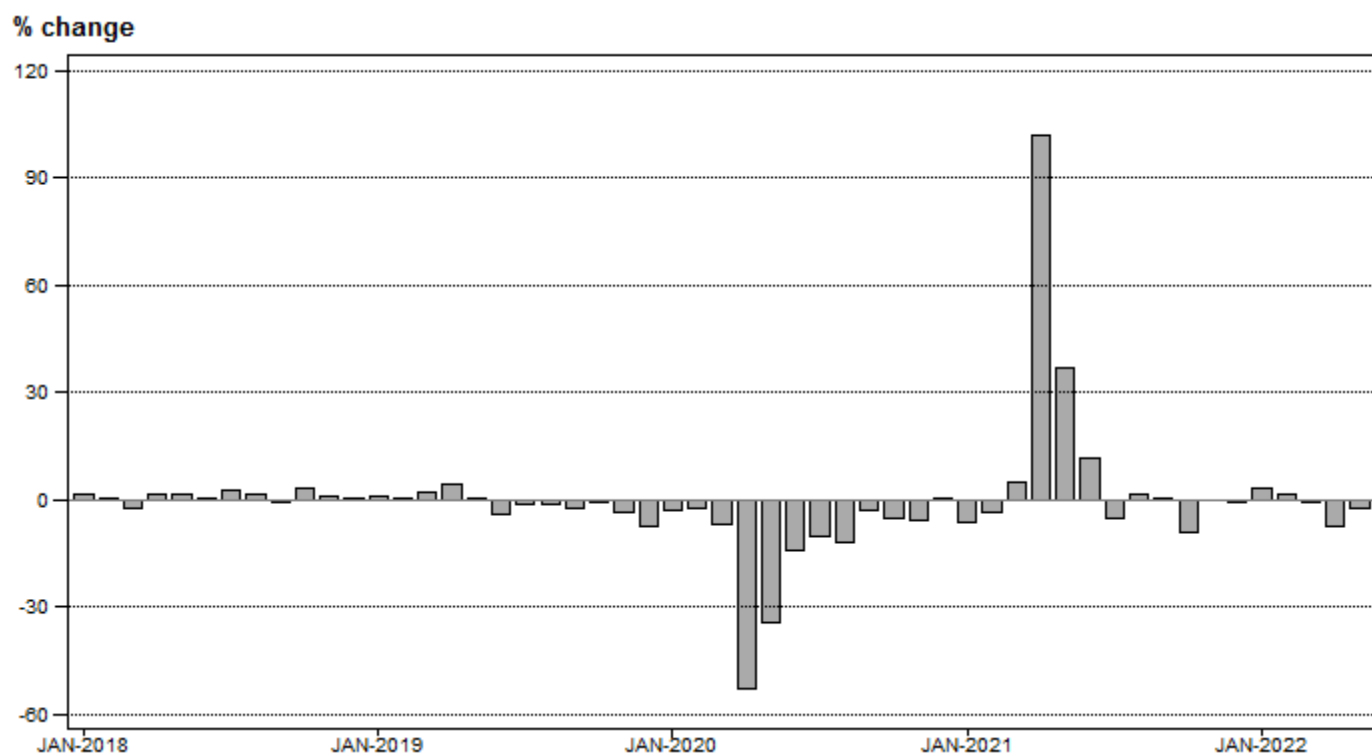
The largest contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-3,7% and contributing -0,8 of a percentage point);
- motor vehicles, parts and accessories and other transport equipment (-7,2% and contributing -0,7 of a percentage point); and
- food and beverages (-2,8% and contributing -0,6 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100)

Manufacturing division and major group	Weights *	Dec 2021 – Feb 2022	Mar – May 2022	% change between Dec 2021 – Feb 2022 and Mar – May 2022	Contribution (% points) to the total % change
Food and beverages	20,75	104,5	101,6	-2,8	-0,6
Meat, fish, fruit, etc.	3,27	105,6	102,4	-3,0	-0,1
Dairy products	1,39	89,1	91,0	2,1	0,0
Grain mill products	1,68	106,0	103,5	-2,4	0,0
Other food products	7,75	99,6	94,9	-4,7	-0,4
Beverages	6,66	112,6	110,7	-1,7	-0,1
Textiles, clothing, leather and footwear	4,26	99,7	95,3	-4,4	-0,2
Textiles	1,08	115,6	114,8	-0,7	0,0
Other textile products	0,61	89,8	92,8	3,3	0,0
Knitted, crocheted articles	0,06	82,3	81,6	-0,9	0,0
Wearing apparel	1,98	97,8	88,3	-9,7	-0,2
Leather and leather products	0,27	79,2	78,7	-0,6	0,0
Footwear	0,25	97,0	93,4	-3,7	0,0
Wood and wood products, paper, publishing and printing	10,63	94,0	89,2	-5,1	-0,5
Sawmilling and planing of wood	0,87	92,4	86,2	-6,7	-0,1
Products of wood	0,88	109,0	99,4	-8,8	-0,1
Paper and paper products	5,34	97,1	90,8	-6,5	-0,4
Publishing	2,18	83,5	79,7	-4,6	-0,1
Printing, recorded media	1,35	90,1	93,3	3,6	0,0
Petroleum, chemical products, rubber and plastic products	24,95	84,2	81,1	-3,7	-0,8
Coke, petroleum products and nuclear fuel	11,85	71,0	59,2	-16,6	-1,5
Basic chemicals	3,50	98,4	108,0	9,8	0,4
Other chemical products	6,64	94,5	98,8	4,6	0,3
Rubber products	0,76	94,9	91,8	-3,3	0,0
Plastic products	2,20	97,7	99,3	1,6	0,0
Glass and non-metallic mineral products	3,24	103,2	102,6	-0,6	0,0
Glass and glass products	0,49	101,7	107,7	5,9	0,0
Non-metallic mineral products	2,75	103,5	101,7	-1,7	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	98,0	96,1	-1,9	-0,4
Basic iron and steel products	2,92	93,0	84,8	-8,8	-0,2
Non-ferrous metal products	3,32	92,2	90,9	-1,4	0,0
Structural metal products	1,99	91,5	90,8	-0,8	0,0
Other fabricated metal products	3,53	103,7	98,1	-5,4	-0,2
General purpose machinery	3,42	105,6	105,0	-0,6	0,0
Special purpose machinery	3,85	98,4	101,5	3,2	0,1
Household appliances	0,70	96,9	100,2	3,4	0,0
Electrical machinery	2,21	112,9	103,5	-8,3	-0,2
Radio, television and communication apparatus and professional equipment	1,07	101,0	101,0	0,0	0,0
Radio, television and communication apparatus	0,04	97,0	86,7	-10,6	0,0
Professional equipment	1,03	101,1	101,6	0,5	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	99,6	92,4	-7,2	-0,7
Motor vehicles	2,78	102,7	97,0	-5,6	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	104,0	111,2	6,9	0,1
Parts and accessories	3,97	98,6	84,6	-14,2	-0,6
Other transport equipment	1,40	94,1	95,8	1,8	0,0
Furniture and other manufacturing	4,27	91,4	90,7	-0,8	0,0
Furniture	0,78	104,7	90,1	-13,9	-0,1
Other manufacturing groups	3,49	88,4	90,8	2,7	0,1
Total	100	95,9	92,6	-3,4	-3,4

* Revised due to reweighting. See note on page 6.

Figure 1 – Volume of manufacturing production (Base: 2019=100)**Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change**

Sales: results for May 2022

Table C – Key growth rates in manufacturing sales at current prices

	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Year-on-year % change, unadjusted	10,2	13,6	10,7	8,4	3,1	10,3
Month-on-month % change, seasonally adjusted	2,1	4,0	-0,1	3,1	-3,8	2,5
3-month % change, seasonally adjusted ¹	5,4	8,2	8,2	9,2	4,0	2,5

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 2,5% in May 2022 compared with April 2022. This followed month-on-month changes of -3,8% in April 2022 and 3,1% in March 2022 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Dec 2021 – Feb 2022 (R million)	Mar – May 2022 (R million)	% change between Dec 2021 – Feb 2022 and Mar – May 2022	Contribution (% points) to the total % change
Food and beverages	167 493	171 842	2,6	0,6
Textiles, clothing, leather and footwear	15 859	15 866	0,0	0,0
Wood and wood products, paper, publishing and printing	44 275	40 802	-7,8	-0,5
Petroleum, chemical products, rubber and plastic products	126 786	136 411	7,6	1,4
Glass and non-metallic mineral products	19 670	19 583	-0,4	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	171 046	174 599	2,1	0,5
Electrical machinery	17 775	17 898	0,7	0,0
Radio, television and communication apparatus and professional equipment	6 777	6 559	-3,2	0,0
Motor vehicles, parts and accessories and other transport equipment	89 556	92 926	3,8	0,5
Furniture and other manufacturing	26 745	26 917	0,6	0,0
Total	685 983	703 405	2,5	2,5

Seasonally adjusted manufacturing sales increased by 2,5% in the three months ended May 2022 compared with the previous three months. The largest contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (7,6% and contributing 1,4 percentage points); and
- food and beverages (2,6% and contributing 0,6 of a percentage point) – see Table D.

Risenga Maluleke
Statistician-General

Note – Rebasing and reweighting of manufacturing production

Introduction

Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry covering manufacturing enterprises. This statistical release contains monthly indices of the physical volume of manufacturing production and monthly sales of manufactured products. The results of the manufacturing production indices published today contain changes related to rebasing and reweighting.

Rebasing

The base year is the reference point of an index and is usually set at 100. The new index of manufacturing production is now referenced to 2019=100. To convert the base year from reference year 2015 to 2019, the previous individual indices (2015=100) were divided by their averages for 2019 and multiplied by 100. The rebasing exercise alone did not have any significant effect on the manufacturing trends.

Reweighting

New high-level weights for the manufacturing groups and divisions have been calculated based on national accounts value added data up to 2019. Previously, the weights were calculated from national accounts value added data up to 2018. The new and old weights are shown in Table E below and in more detail in Table G on page 21. The high-level weights are calculated as a three-year average of value added. The high-level weights for 2018 are the average of value added for 2016, 2017 and 2018, and the high-level weights for 2019 and following years are the average for 2017, 2018 and 2019. Historically, changes in manufacturing weights have been small, and the use of a moving average provides additional stability in the weights. The weights are updated annually.

The impact of rebasing and reweighting the index of manufacturing production is illustrated in Tables E and F and Figure 3.

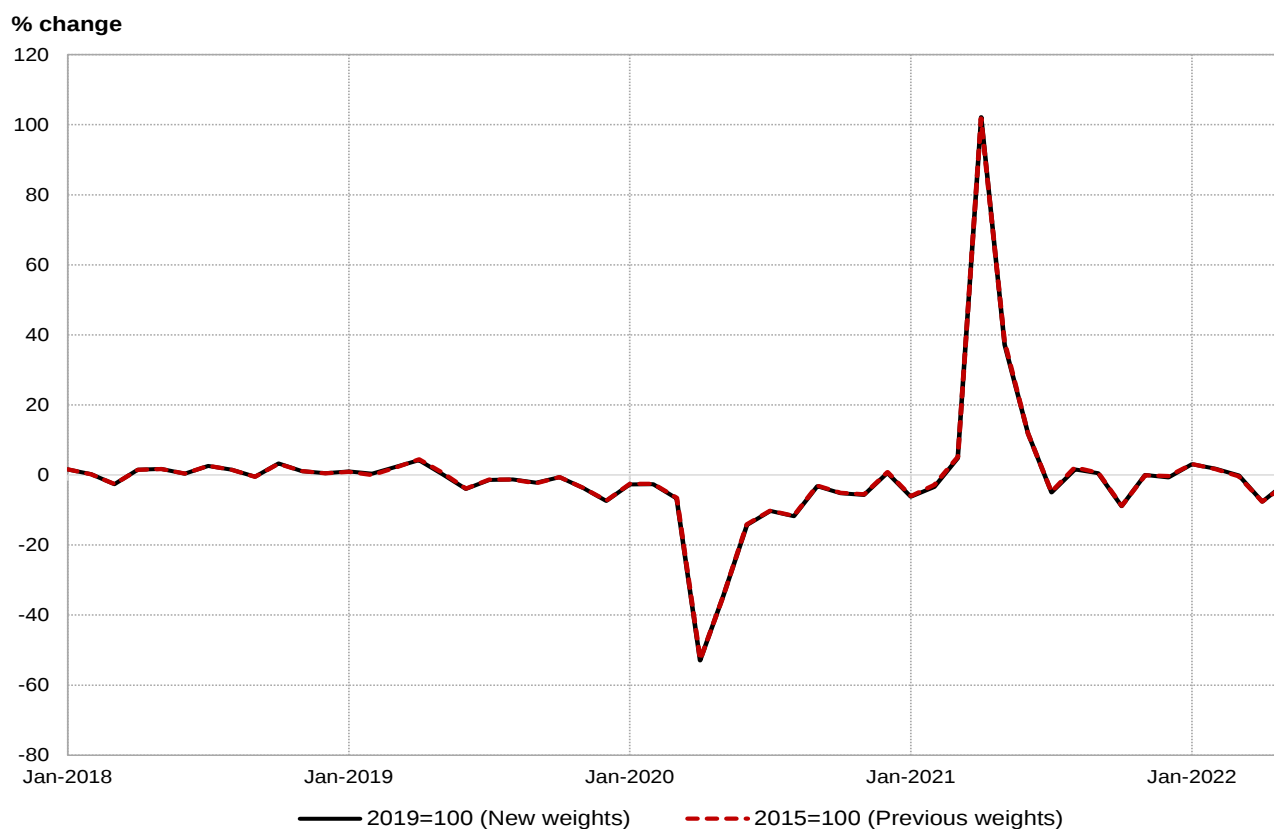
Table E – Comparison of manufacturing production indices based on previous and new base year and weights

Manufacturing divisions	Previous weights based on value added for 2016 – 2018	New weights based on value added for 2017 – 2019	Year to date annual % change for 2022 ¹		Difference in results (% points)
			Previous weights Base: 2015=100	New weights Base: 2019=100	
Food and beverages	20,18	20,75	1,6	1,9	0,3
Textiles, clothing, leather and footwear	4,38	4,26	3,6	3,7	0,1
Wood and wood products, paper, publishing and printing	10,77	10,63	-3,7	-3,8	-0,1
Petroleum, chemical products, rubber and plastic products	25,38	24,95	-0,6	-0,9	-0,3
Glass and non-metallic mineral products	3,42	3,24	-1,7	-1,8	-0,1
Basic iron and steel, non-ferrous metal and metal products and machinery	19,47	19,73	-0,6	-0,6	0,0
Electrical machinery	2,31	2,21	10,4	10,9	0,5
Radio, television and communication apparatus and professional equipment	1,21	1,07	6,6	7,0	0,4
Motor vehicles, parts and accessories and other transport equipment	8,66	8,89	-14,4	-13,3	1,1
Furniture and other manufacturing division	4,21	4,27	4,4	5,1	0,7
Total manufacturing	100	100	-1,3	-1,1	0,2

¹ Up to May 2022.

Table F – Annual percentage change in manufacturing production indices based on previous and new base year and weights

Manufacturing divisions	Previous weights (Base: 2015=100)			New weights (Base 2019=100)		
	2019	2020	2021	2019	2020	2021
Food and beverages	4,0	-5,6	6,1	4,1	-5,6	6,3
Textiles, clothing, leather and footwear	-6,1	-17,1	14,0	-6,0	-17,4	13,1
Wood and wood products, paper, publishing and printing	-5,0	-13,1	9,8	-4,9	-13,3	9,7
Petroleum, chemical products, rubber and plastic products	-1,2	-11,2	-10,8	-1,2	-10,8	-10,8
Glass and non-metallic mineral products	-7,6	-14,3	19,2	-7,6	-14,5	19,8
Basic iron and steel, non-ferrous metal and metal products and machinery	-1,6	-12,5	9,9	-1,6	-12,4	9,8
Electrical machinery	-4,3	-17,4	16,3	-4,2	-15,9	14,6
Radio, television and communication apparatus and professional equipment	-7,0	-7,4	1,0	-7,0	-6,7	0,5
Motor vehicles, parts and accessories and other transport equipment	-1,5	-24,6	34,2	-1,6	-24,7	33,2
Furniture and other manufacturing	-1,6	-19,1	18,0	-1,6	-21,2	12,2
Total manufacturing	-1,1	-12,3	6,4	-1,1	-12,5	6,2

Figure 3 – Comparison of the total manufacturing production growth rate based on previous and new base year and weights: year-on-year percentage change

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2019=100)

Month	2016 *	2017 *	2018 *	2019 *	2020 *	2021 *	2022 ¹ *
Jan	84,8	85,7	87,1	88,0	85,6	80,3	82,8
Feb	98,2	94,3	94,5	94,9	92,4	89,3	90,9
Mar	101,5	101,5	98,9	101,2	94,4	98,9	98,8
Apr	95,5	90,5	91,9	95,8	45,0	91,0	84,1
May	101,2	100,1	101,8	102,0	67,0	91,9	89,8
Jun	104,0	101,5	101,9	97,8	83,8	93,7	
Jul	102,2	100,6	103,2	101,8	91,3	86,7	
Aug	103,7	105,0	106,6	105,2	92,8	94,3	
Sep	107,8	105,4	104,9	102,6	99,3	99,8	
Oct	107,6	109,8	113,4	112,7	106,8	97,3	
Nov	112,1	114,0	115,3	111,0	104,7	104,7	
Dec	91,1	93,2	93,7	86,8	87,3	86,7	
Total	100,8	100,1	101,1	100,0	87,5	92,9	

¹ The latest three months are preliminary.

* Revised due to rebasing and reweighting. See note on page 6.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	1,1	1,6	1,0	-2,7	-6,2	3,1	3,1
Feb	-4,0	0,2	0,4	-2,6	-3,4	1,8	2,5
Mar	0,0	-2,6	2,3	-6,7	4,8	-0,1	1,5
Apr	-5,2	1,5	4,2	-53,0	102,2	-7,6	-0,8
May	-1,1	1,7	0,2	-34,3	37,2	-2,3	-1,1
Jun	-2,4	0,4	-4,0	-14,3	11,8		
Jul	-1,6	2,6	-1,4	-10,3	-5,0		
Aug	1,3	1,5	-1,3	-11,8	1,6		
Sep	-2,2	-0,5	-2,2	-3,2	0,5		
Oct	2,0	3,3	-0,6	-5,2	-8,9		
Nov	1,7	1,1	-3,7	-5,7	0,0		
Dec	2,3	0,5	-7,4	0,6	-0,7		
Total	-0,7	1,0	-1,1	-12,5	6,2		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	100,9	97,6	93,8	97,0	-3,9	3,0	-2,2	2,4
Feb	100,6	97,4	94,6	96,1	-0,3	-0,2	0,9	-0,9
Mar	100,7	93,9	97,2	96,3	0,1	-3,6	2,7	0,2
Apr	103,9	47,9	97,2	90,8	3,2	-49,0	0,0	-5,7
May	101,9	67,6	93,0	90,6	-1,9	41,1	-4,3	-0,2
Jun	98,1	83,7	92,9		-3,7	23,8	-0,1	
Jul	99,2	88,4	84,7		1,1	5,6	-8,8	
Aug	100,4	89,5	90,7		1,2	1,2	7,1	
Sep	98,4	94,3	94,5		-2,0	5,4	4,2	
Oct	101,0	96,1	88,3		2,6	1,9	-6,6	
Nov	99,4	94,3	93,7		-1,6	-1,9	6,1	
Dec	94,8	95,9	94,7		-4,6	1,7	1,1	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	* Weights	* Dec-21	* Jan-22	* Feb-22	¹ Mar-22	¹ Apr-22	¹ May-22
Food and beverages	20,75	110,6	89,5	95,8	102,0	95,9	95,5
Meat, fish, fruit, etc.	3,27	115,7	92,2	100,8	109,8	95,2	101,4
Dairy products	1,39	96,7	85,2	78,9	93,1	88,5	84,1
Grain mill products	1,68	104,1	99,5	96,1	105,6	94,0	105,9
Other food products	7,75	85,9	79,6	83,7	82,8	98,0	94,1
Beverages	6,66	141,5	98,1	110,8	121,6	95,9	94,0
Textiles, clothing, leather and footwear	4,26	81,1	69,3	98,7	106,9	85,3	90,5
Textiles	1,08	76,0	87,2	117,2	122,4	109,5	122,8
Other textile products	0,61	75,9	62,0	95,0	106,3	85,7	87,9
Knitted, crocheted articles	0,06	61,8	56,4	86,6	83,0	77,2	90,4
Wearing apparel	1,98	85,4	61,9	94,8	104,6	74,7	74,3
Leather and leather products	0,27	65,2	72,7	85,0	88,1	70,6	88,1
Footwear	0,25	104,8	68,5	75,7	85,9	81,3	88,5
Wood and wood products, paper, publishing and printing	10,63	91,3	85,7	84,0	91,1	78,0	81,7
Sawmilling and planing of wood	0,87	73,3	80,1	87,4	88,8	84,2	90,2
Products of wood	0,88	90,2	91,7	100,3	97,6	88,9	98,2
Paper and paper products	5,34	100,0	91,1	86,0	98,4	79,6	81,9
Publishing	2,18	82,0	78,9	74,8	72,9	64,3	69,0
Printing, recorded media	1,35	84,4	74,8	78,3	88,5	82,4	85,4
Petroleum, chemical products, rubber and plastic products	24,95	79,3	77,8	78,8	88,1	70,5	77,3
Coke, petroleum products and nuclear fuel	11,85	71,7	68,9	65,6	71,0	49,2	47,6
Basic chemicals	3,50	90,8	95,7	87,9	109,0	101,4	112,4
Other chemical products	6,64	88,9	80,2	92,2	101,9	84,0	104,1
Rubber products	0,76	47,5	102,6	89,4	97,6	90,7	88,8
Plastic products	2,20	84,4	81,2	91,6	102,4	88,6	96,9
Glass and non-metallic mineral products	3,24	86,1	80,0	93,1	105,9	94,5	107,7
Glass and glass products	0,49	98,9	90,3	97,2	98,4	98,4	109,1
Non-metallic mineral products	2,75	83,8	78,1	92,3	107,3	93,8	107,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	82,9	83,1	95,1	103,8	90,9	99,9
Basic iron and steel products	2,92	82,9	94,2	94,8	89,3	92,5	86,3
Non-ferrous metal products	3,32	89,9	83,9	88,4	99,8	88,8	89,4
Structural metal products	1,99	69,1	65,7	91,5	108,2	74,2	86,0
Other fabricated metal products	3,53	70,9	88,8	101,6	111,3	87,7	100,3
General purpose machinery	3,42	95,1	78,9	93,2	104,2	88,5	120,3
Special purpose machinery	3,85	83,9	80,1	98,1	109,1	104,0	106,6
Household appliances	0,70	84,0	92,0	97,9	102,9	99,0	106,5
Electrical machinery	2,21	86,9	87,5	105,8	109,8	97,5	106,5
Radio, television and communication apparatus and professional equipment	1,07	89,5	83,7	97,7	112,1	91,2	103,0
Radio, television and communication apparatus	0,04	125,4	62,7	91,1	89,7	62,8	91,7
Professional equipment	1,03	88,0	84,6	98,0	113,0	92,4	103,5
Motor vehicles, parts and accessories and other transport equipment	8,89	57,5	86,7	102,7	113,4	81,2	90,2
Motor vehicles	2,78	47,6	82,3	110,9	122,3	77,9	89,5
Bodies for motor vehicles, trailers and semi-trailers	0,73	68,2	80,3	93,3	116,4	105,1	119,4
Parts and accessories	3,97	50,8	94,1	102,9	106,1	78,1	86,7
Other transport equipment	1,40	90,8	77,7	91,0	115,0	83,8	86,3
Furniture and other manufacturing	4,27	87,1	75,2	91,4	87,8	78,6	81,7
Furniture	0,78	99,9	73,8	82,8	87,3	76,7	87,8
Other manufacturing groups	3,49	84,2	75,5	93,3	87,8	79,0	80,3
Total	100	86,7	82,8	90,9	98,8	84,1	89,8

¹ The latest three months are preliminary.

* Revised due to rebasing and reweighting. See note on page 6.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Food and beverages	0,3	13,0	6,8	-2,4	-0,8	-4,1
Meat, fish, fruit, etc.	6,0	2,9	6,7	6,6	-1,9	1,3
Dairy products	-16,1	-11,7	-10,6	-11,8	0,2	-3,2
Grain mill products	5,8	16,4	7,4	8,4	1,3	6,4
Other food products	-9,5	-8,2	5,9	-9,3	-5,3	-11,9
Beverages	8,1	63,2	10,5	-0,4	4,8	0,4
Textiles, clothing, leather and footwear	2,8	2,8	8,5	9,8	-8,0	5,2
Textiles	-2,9	-2,6	7,4	-3,0	-6,4	3,4
Other textile products	14,3	-9,9	7,1	17,3	-6,7	0,9
Knitted, crocheted articles	-12,1	-7,1	13,4	0,6	2,7	12,6
Wearing apparel	7,2	17,5	13,8	25,1	-6,2	8,8
Leather and leather products	-28,0	-14,3	-0,9	-14,8	-26,8	11,9
Footwear	9,1	0,0	-15,2	-11,1	-13,7	-2,1
Wood and wood products, paper, publishing and printing	4,0	7,9	-5,0	-3,1	-9,5	-8,1
Sawmilling and planing of wood	19,6	-1,8	0,6	-10,8	0,4	-5,4
Products of wood	8,0	4,3	3,1	-5,7	-9,7	2,7
Paper and paper products	11,2	9,9	-4,7	1,9	-11,8	-14,4
Publishing	-12,5	16,2	-9,7	-12,3	-12,3	2,1
Printing, recorded media	-6,1	-3,4	-8,3	-3,0	-2,6	-3,2
Petroleum, chemical products, rubber and plastic products	-3,3	-4,0	-1,5	4,0	-10,1	7,5
Coke, petroleum products and nuclear fuel	5,3	4,1	9,2	12,7	-17,9	12,5
Basic chemicals	-16,5	-12,5	-9,9	4,1	-1,8	11,3
Other chemical products	-8,4	-12,5	-7,1	-3,5	-10,3	2,2
Rubber products	8,7	12,3	-17,2	-12,5	8,6	-8,3
Plastic products	1,9	2,7	0,5	5,2	-2,2	13,1
Glass and non-metallic mineral products	5,6	-5,3	-1,9	-2,0	-3,8	3,3
Glass and glass products	6,3	-6,7	4,0	-1,9	10,7	5,6
Non-metallic mineral products	5,5	-5,1	-3,0	-2,0	-6,1	2,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,8	1,8	3,8	-1,2	-4,9	-2,3
Basic iron and steel products	8,7	10,0	22,3	-6,0	1,2	-11,6
Non-ferrous metal products	-0,8	-5,3	-1,7	1,1	-4,4	-6,4
Structural metal products	-6,4	-6,8	-2,2	7,2	-13,9	-13,7
Other fabricated metal products	-8,2	1,3	8,1	0,8	-12,0	-4,0
General purpose machinery	6,5	14,0	0,3	6,2	-12,0	13,1
Special purpose machinery	-11,0	0,0	-1,2	-11,5	6,0	-0,6
Household appliances	7,3	-8,3	5,4	7,6	5,1	1,8
Electrical machinery	18,7	9,6	15,5	12,3	5,3	11,9
Radio, television and communication apparatus and professional equipment	-12,1	12,5	15,8	5,3	1,0	3,3
Radio, television and communication apparatus	17,3	-1,4	12,1	-5,1	-14,2	7,4
Professional equipment	-13,4	13,1	16,0	5,6	1,5	3,2
Motor vehicles, parts and accessories and other transport equipment	-6,7	-1,6	-5,5	-8,4	-29,0	-19,2
Motor vehicles	18,7	10,0	10,5	12,3	-27,1	-13,4
Bodies for motor vehicles, trailers and semi-trailers	-4,1	4,8	-12,0	9,1	-5,4	9,1
Parts and accessories	-23,5	-9,7	-16,9	-26,1	-41,0	-32,8
Other transport equipment	6,2	4,2	8,6	8,6	5,3	8,6
Furniture and other manufacturing	-1,1	2,3	5,1	12,0	9,2	-2,3
Furniture	28,6	13,0	5,1	8,9	6,8	-0,1
Other manufacturing groups	-7,0	0,3	4,9	12,6	9,7	-2,9
Total	-0,7	3,1	1,8	-0,1	-7,6	-2,3

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	* Weights	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Food and beverages	20,75	0,1	2,7	1,4	-0,5	-0,2	-0,9
Meat, fish, fruit, etc.	3,27	0,2	0,1	0,2	0,2	-0,1	0,0
Dairy products	1,39	-0,3	-0,2	-0,1	-0,2	0,0	0,0
Grain mill products	1,68	0,1	0,3	0,1	0,1	0,0	0,1
Other food products	7,75	-0,8	-0,7	0,4	-0,7	-0,5	-1,1
Beverages	6,66	0,8	3,2	0,8	0,0	0,3	0,0
Textiles, clothing, leather and footwear	4,26	0,1	0,1	0,4	0,4	-0,3	0,2
Textiles	1,08	0,0	0,0	0,1	0,0	-0,1	0,0
Other textile products	0,61	0,1	-0,1	0,0	0,1	0,0	0,0
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,98	0,1	0,2	0,3	0,4	-0,1	0,1
Leather and leather products	0,27	-0,1	0,0	0,0	0,0	-0,1	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,63	0,4	0,8	-0,5	-0,3	-1,0	-0,8
Sawmilling and planing of wood	0,87	0,1	0,0	0,0	-0,1	0,0	0,0
Products of wood	0,88	0,1	0,0	0,0	-0,1	-0,1	0,0
Paper and paper products	5,34	0,6	0,5	-0,3	0,1	-0,6	-0,8
Publishing	2,18	-0,3	0,3	-0,2	-0,2	-0,2	0,0
Printing, recorded media	1,35	-0,1	0,0	-0,1	0,0	0,0	0,0
Petroleum, chemical products, rubber and plastic products	24,95	-0,8	-1,0	-0,3	0,9	-2,2	1,5
Coke, petroleum products and nuclear fuel	11,85	0,5	0,4	0,7	1,0	-1,4	0,7
Basic chemicals	3,50	-0,7	-0,6	-0,4	0,2	-0,1	0,4
Other chemical products	6,64	-0,6	-1,0	-0,5	-0,2	-0,7	0,2
Rubber products	0,76	0,0	0,1	-0,2	-0,1	0,1	-0,1
Plastic products	2,20	0,0	0,1	0,0	0,1	0,0	0,3
Glass and non-metallic mineral products	3,24	0,2	-0,2	-0,1	-0,1	-0,1	0,1
Glass and glass products	0,49	0,0	0,0	0,0	0,0	0,1	0,0
Non-metallic mineral products	2,75	0,1	-0,1	-0,1	-0,1	-0,2	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	-0,3	0,4	0,8	-0,3	-1,0	-0,5
Basic iron and steel products	2,92	0,2	0,3	0,6	-0,2	0,0	-0,4
Non-ferrous metal products	3,32	0,0	-0,2	-0,1	0,0	-0,1	-0,2
Structural metal products	1,99	-0,1	-0,1	0,0	0,1	-0,3	-0,3
Other fabricated metal products	3,53	-0,3	0,0	0,3	0,0	-0,5	-0,2
General purpose machinery	3,42	0,2	0,4	0,0	0,2	-0,5	0,5
Special purpose machinery	3,85	-0,5	0,0	-0,1	-0,6	0,2	0,0
Household appliances	0,70	0,0	-0,1	0,0	0,1	0,0	0,0
Electrical machinery	2,21	0,3	0,2	0,4	0,3	0,1	0,3
Radio, television and communication apparatus and professional equipment	1,07	-0,2	0,1	0,2	0,1	0,0	0,0
Radio, television and communication apparatus	0,04	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	-0,2	0,1	0,2	0,1	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	-0,4	-0,2	-0,6	-0,9	-3,2	-2,1
Motor vehicles	2,78	0,2	0,3	0,3	0,4	-0,9	-0,4
Bodies for motor vehicles, trailers and semi-trailers	0,73	0,0	0,0	-0,1	0,1	0,0	0,1
Parts and accessories	3,97	-0,7	-0,5	-0,9	-1,5	-2,4	-1,8
Other transport equipment	1,40	0,1	0,1	0,1	0,1	0,1	0,1
Furniture and other manufacturing	4,27	0,0	0,1	0,2	0,4	0,3	-0,1
Furniture	0,78	0,2	0,1	0,0	0,1	0,0	0,0
Other manufacturing groups	3,49	-0,3	0,0	0,2	0,3	0,3	-0,1
Total	100	-0,7	3,1	1,8	-0,1	-7,6	-2,3

* Revised due to reweighting. See note on page 6.

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	* Weights	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Month-on-month % change
Food and beverages	20,75	105,7	106,9	103,2	102,8	98,7	-4,0
Meat, fish, fruit, etc.	3,27	105,2	106,0	105,0	100,6	101,5	0,9
Dairy products	1,39	90,0	89,8	90,1	91,7	91,2	-0,5
Grain mill products	1,68	110,1	104,4	103,3	102,3	105,0	2,6
Other food products	7,75	100,6	103,4	95,3	99,4	90,0	-9,5
Beverages	6,66	113,9	115,7	114,3	110,2	107,5	-2,5
Textiles, clothing, leather and footwear	4,26	98,8	100,5	104,9	88,7	92,2	3,9
Textiles	1,08	113,5	113,8	115,8	112,4	116,1	3,3
Other textile products	0,61	83,2	92,1	103,2	88,3	86,9	-1,6
Knitted, crocheted articles	0,06	77,6	84,9	80,1	80,4	84,3	4,9
Wearing apparel	1,98	99,1	99,7	104,5	78,8	81,7	3,7
Leather and leather products	0,27	81,0	85,4	84,9	68,3	82,9	21,4
Footwear	0,25	96,4	91,2	93,1	89,9	97,3	8,2
Wood and wood products, paper, publishing and printing	10,63	96,7	89,3	91,1	89,3	87,2	-2,4
Sawmilling and planing of wood	0,87	92,2	91,5	83,5	88,7	86,3	-2,7
Products of wood	0,88	108,9	104,9	99,6	96,9	101,8	5,1
Paper and paper products	5,34	100,1	90,5	95,5	90,7	86,3	-4,9
Publishing	2,18	88,5	80,4	79,4	79,1	80,6	1,9
Printing, recorded media	1,35	91,8	87,4	91,9	95,3	92,8	-2,6
Petroleum, chemical products, rubber and plastic products	24,95	83,8	86,0	88,3	76,6	78,4	2,3
Coke, petroleum products and nuclear fuel	11,85	68,7	74,3	74,9	51,9	50,7	-2,3
Basic chemicals	3,50	98,1	99,6	106,9	106,5	110,6	3,8
Other chemical products	6,64	94,6	96,1	98,6	95,3	102,6	7,7
Rubber products	0,76	117,4	84,8	86,2	103,9	85,2	-18,0
Plastic products	2,20	98,2	97,0	100,5	96,4	101,1	4,9
Glass and non-metallic mineral products	3,24	100,1	101,4	102,4	101,3	104,1	2,8
Glass and glass products	0,49	97,3	104,1	105,0	108,7	109,4	0,6
Non-metallic mineral products	2,75	100,7	100,9	102,0	99,9	103,1	3,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	99,1	97,8	96,9	94,4	97,1	2,9
Basic iron and steel products	2,92	92,1	92,3	84,3	88,6	81,6	-7,9
Non-ferrous metal products	3,32	91,0	92,2	94,3	89,8	88,7	-1,2
Structural metal products	1,99	89,8	91,2	103,5	83,9	85,0	1,3
Other fabricated metal products	3,53	107,2	103,3	104,6	91,2	98,5	8,0
General purpose machinery	3,42	109,2	101,4	105,3	95,1	114,6	20,5
Special purpose machinery	3,85	101,3	102,1	90,3	109,3	105,0	-3,9
Household appliances	0,70	92,0	98,3	100,0	101,2	99,4	-1,8
Electrical machinery	2,21	113,4	108,1	103,4	103,8	103,2	-0,6
Radio, television and communication apparatus and professional equipment	1,07	105,4	106,2	101,3	98,0	103,6	5,7
Radio, television and communication apparatus	0,04	86,4	94,2	88,3	76,9	95,0	23,5
Professional equipment	1,03	106,2	106,7	101,8	98,9	104,0	5,2
Motor vehicles, parts and accessories and other transport equipment	8,89	105,7	99,9	100,3	88,7	88,3	-0,5
Motor vehicles	2,78	107,6	106,2	109,3	91,8	89,9	-2,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	109,1	97,0	115,8	104,9	112,8	7,5
Parts and accessories	3,97	107,8	97,5	92,3	81,0	80,5	-0,6
Other transport equipment	1,40	94,4	95,5	96,8	96,2	94,4	-1,9
Furniture and other manufacturing	4,27	89,7	86,7	94,2	93,1	84,7	-9,0
Furniture	0,78	107,5	90,4	94,7	89,7	86,0	-4,1
Other manufacturing groups	3,49	85,7	85,9	94,1	93,9	84,5	-10,0
Total	100	97,0	96,1	96,3	90,8	90,6	-0,2

* Revised due to rebasing and reweighting. See note on page 6.

Table 8 – Manufacturing sales at current prices (R million)

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	139 225	149 636	156 666	172 214	171 007	171 152	194 510
Feb	163 356	165 487	176 719	187 842	192 539	198 975	220 287
Mar	172 593	185 940	188 124	204 507	193 836	229 933	249 272
Apr	163 319	160 384	167 557	193 058	94 494	207 693	214 151
May	176 020	182 432	195 219	203 372	140 157	213 056	235 020
Jun	180 107	186 151	195 254	202 998	170 119	219 285	
Jul	173 886	177 739	197 011	206 806	183 456	190 014	
Aug	180 189	189 251	204 516	215 850	189 101	210 625	
Sep	187 502	191 607	208 143	208 597	204 603	222 299	
Oct	186 919	200 251	224 904	226 883	224 572	220 266	
Nov	199 033	217 252	229 912	224 760	228 294	247 072	
Dec	165 055	175 645	184 356	178 414	188 434	207 590	
Total	2 087 204	2 181 775	2 328 381	2 425 301	2 180 612	2 537 960	

¹ The latest three months are preliminary.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	7,5	4,7	9,9	-0,7	0,1	13,6	13,6
Feb	1,3	6,8	6,3	2,5	3,3	10,7	12,1
Mar	7,7	1,2	8,7	-5,2	18,6	8,4	10,7
Apr	-1,8	4,5	15,2	-51,1	119,8	3,1	8,7
May	3,6	7,0	4,2	-31,1	52,0	10,3	9,1
Jun	3,4	4,9	4,0	-16,2	28,9		
Jul	2,2	10,8	5,0	-11,3	3,6		
Aug	5,0	8,1	5,5	-12,4	11,4		
Sep	2,2	8,6	0,2	-1,9	8,6		
Oct	7,1	12,3	0,9	-1,0	-1,9		
Nov	9,2	5,8	-2,2	1,6	8,2		
Dec	6,4	5,0	-3,2	5,6	10,2		
Total	4,5	6,7	4,2	-10,1	16,4		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	202 087	198 874	202 829	231 702	-0,2	2,8	-0,6	4,0
Feb	198 512	201 518	208 782	231 452	-1,8	1,3	2,9	-0,1
Mar	200 973	189 252	221 444	238 686	1,2	-6,1	6,1	3,1
Apr	208 443	100 905	220 354	229 498	3,7	-46,7	-0,5	-3,8
May	200 201	140 879	215 742	235 221	-4,0	39,6	-2,1	2,5
Jun	203 586	168 172	216 136		1,7	19,4	0,2	
Jul	204 540	180 008	189 136		0,5	7,0	-12,5	
Aug	208 936	186 719	206 114		2,1	3,7	9,0	
Sep	202 767	196 665	214 106		-3,0	5,3	3,9	
Oct	203 826	202 322	201 548		0,5	2,9	-5,9	
Nov	198 285	204 041	218 183		-2,7	0,8	8,3	
Dec	193 406	204 127	222 829		-2,5	0,0	2,1	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Dec-21	Jan-22	Feb-22	¹ Mar-22	¹ Apr-22	¹ May-22
Food and beverages	62 169	49 199	51 636	58 179	54 204	54 752
Meat, fish, fruit, etc.	18 689	14 621	15 089	18 326	16 370	17 292
Dairy products	4 796	4 110	3 893	4 669	4 295	4 360
Grain mill products	8 937	8 296	8 189	9 697	9 147	9 744
Other food products	9 087	8 807	9 101	9 152	11 002	10 013
Beverages	20 662	13 365	15 364	16 335	13 391	13 343
Textiles, clothing, leather and footwear	4 557	3 679	5 112	5 696	4 681	5 255
Textiles	562	628	768	843	718	821
Other textile products	1 257	1 031	1 625	1 773	1 429	1 519
Knitted, crocheted articles	140	131	178	213	186	215
Wearing apparel	1 592	1 111	1 604	1 862	1 431	1 640
Leather and leather products	372	375	478	477	400	499
Footwear	634	403	459	528	515	561
Wood and wood products, paper, publishing and printing	13 758	13 273	13 224	14 357	11 846	12 344
Sawmilling and planing of wood	791	796	901	919	875	932
Products of wood	1 496	1 798	1 952	1 944	1 813	1 861
Paper and paper products	7 928	7 257	6 975	7 972	5 729	6 024
Publishing	1 166	1 286	1 132	1 089	933	1 016
Printing, recorded media	2 377	2 136	2 265	2 433	2 496	2 512
Petroleum, chemical products, rubber and plastic products	39 826	37 360	39 028	45 828	39 541	47 958
Coke, petroleum products and nuclear fuel	9 964	8 756	8 846	9 999	8 574	10 319
Basic chemicals	10 257	9 365	9 470	11 578	9 846	12 269
Other chemical products	11 903	11 442	11 930	14 556	12 496	16 157
Rubber products	1 394	1 352	1 601	1 740	1 773	1 509
Plastic products	6 307	6 444	7 181	7 955	6 851	7 705
Glass and non-metallic mineral products	5 208	4 972	6 197	6 666	5 778	7 025
Glass and glass products	1 336	1 136	1 305	1 298	1 246	1 445
Non-metallic mineral products	3 872	3 836	4 892	5 368	4 532	5 580
Basic iron and steel, non-ferrous metal products, metal products and machinery	46 072	49 585	55 804	64 667	52 740	60 685
Basic iron and steel products	11 158	14 442	14 232	16 246	12 824	14 934
Non-ferrous metal products	16 171	16 682	19 398	22 428	18 628	20 547
Structural metal products	2 562	2 546	3 268	4 272	3 066	3 575
Other fabricated metal products	5 162	6 539	7 713	8 649	7 090	8 105
General purpose machinery	4 143	3 457	4 094	4 618	3 981	5 353
Special purpose machinery	5 741	4 780	5 803	6 979	5 888	6 793
Household appliances	1 135	1 139	1 296	1 474	1 264	1 378
Electrical machinery	4 914	4 657	5 793	6 320	5 656	5 874
Radio, television and communication apparatus and professional equipment	2 483	1 720	2 147	2 293	1 791	2 320
Radio, television and communication apparatus	1 502	804	1 084	1 098	773	1 160
Professional equipment	981	916	1 063	1 195	1 018	1 160
Motor vehicles, parts and accessories and other transport equipment	19 153	23 408	33 182	35 727	29 312	30 222
Motor vehicles	10 819	13 245	20 200	20 956	17 785	18 067
Bodies for motor vehicles, trailers and semi-trailers	859	897	1 126	1 427	1 252	1 502
Parts and accessories	4 805	6 978	9 146	9 831	7 669	7 921
Other transport equipment	2 670	2 288	2 711	3 512	2 606	2 732
Furniture and other manufacturing	9 449	6 657	8 163	9 539	8 602	8 583
Furniture	1 684	1 216	1 382	1 488	1 287	1 484
Other manufacturing groups	7 765	5 442	6 781	8 051	7 315	7 099
Total	207 590	194 510	220 287	249 272	214 151	235 020

¹ The latest three months are preliminary.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Food and beverages	6,3	24,1	2,4	6,4	7,3	6,5
Meat, fish, fruit, etc.	17,0	19,3	14,0	20,6	11,8	16,5
Dairy products	-3,9	-5,9	-2,1	-3,9	5,7	8,0
Grain mill products	9,5	16,2	11,1	15,5	18,8	17,7
Other food products	-20,6	-13,8	-5,7	-6,4	-1,1	-14,0
Beverages	15,4	135,2	-5,1	-0,6	3,0	6,0
Textiles, clothing, leather and footwear	9,0	1,7	11,6	14,3	-3,4	14,4
Textiles	-2,4	8,3	6,1	8,5	-4,5	8,3
Other textile products	17,3	-3,5	14,7	19,1	-4,2	6,5
Knitted, crocheted articles	-9,1	-5,8	5,3	11,5	10,1	10,8
Wearing apparel	16,6	22,2	23,5	31,1	6,3	35,3
Leather and leather products	-23,3	-19,4	5,1	-11,8	-25,2	12,6
Footwear	20,1	-11,8	-11,4	-6,4	-6,4	0,4
Wood and wood products, paper, publishing and printing	8,7	15,8	3,3	4,2	-4,8	-6,9
Sawmilling and planing of wood	29,0	0,6	8,3	0,3	-1,7	-3,4
Products of wood	3,8	14,8	16,5	8,2	5,5	10,4
Paper and paper products	16,6	20,0	3,1	6,5	-11,8	-17,1
Publishing	-13,0	33,5	-5,2	-5,6	-7,4	8,9
Printing, recorded media	-3,7	1,9	-3,1	0,6	7,4	4,5
Petroleum, chemical products, rubber and plastic products	13,8	11,0	15,9	20,9	7,9	27,6
Coke, petroleum products and nuclear fuel	30,0	7,6	39,8	29,6	8,4	21,4
Basic chemicals	28,5	16,3	20,3	26,0	4,6	39,1
Other chemical products	-7,8	3,1	0,8	12,4	6,0	30,1
Rubber products	20,7	3,3	-6,8	6,0	22,9	-3,3
Plastic products	19,6	27,7	21,4	24,2	12,2	22,3
Glass and non-metallic mineral products	3,1	0,3	11,1	4,1	0,1	11,5
Glass and glass products	8,3	-1,4	14,7	3,6	13,1	24,4
Non-metallic mineral products	1,4	0,8	10,1	4,2	-3,0	8,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,2	21,8	25,4	7,4	6,6	16,4
Basic iron and steel products	44,5	54,6	53,7	28,6	5,3	25,0
Non-ferrous metal products	15,7	10,2	25,4	-8,2	7,3	12,4
Structural metal products	4,1	11,2	4,7	12,2	8,5	3,8
Other fabricated metal products	0,0	15,9	22,8	17,9	4,3	14,5
General purpose machinery	24,8	19,7	10,1	11,4	1,3	26,6
Special purpose machinery	7,2	10,8	5,5	6,1	13,3	14,4
Household appliances	14,3	4,4	11,1	16,3	6,8	12,0
Electrical machinery	14,2	19,8	14,7	18,3	21,4	18,0
Radio, television and communication apparatus and professional equipment	1,8	18,2	13,1	-0,1	-0,1	15,1
Radio, television and communication apparatus	9,3	16,5	11,1	-6,2	-7,1	24,9
Professional equipment	-7,9	19,7	15,3	6,2	6,0	6,7
Motor vehicles, parts and accessories and other transport equipment	-3,1	-10,2	1,7	-1,2	-15,0	-8,7
Motor vehicles	-1,7	-10,8	4,8	1,3	-14,3	-7,2
Bodies for motor vehicles, trailers and semi-trailers	-0,9	14,0	-1,2	15,5	6,3	25,5
Parts and accessories	-14,6	-17,5	-8,1	-13,4	-26,1	-22,6
Other transport equipment	17,7	14,7	20,1	21,6	19,2	24,7
Furniture and other manufacturing	24,7	17,2	4,3	16,3	22,0	11,8
Furniture	35,9	38,0	13,5	21,3	18,7	13,5
Other manufacturing groups	22,5	13,4	2,6	15,4	22,7	11,5
Total	10,2	13,6	10,7	8,4	3,1	10,3

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Food and beverages	2,0	5,6	0,6	1,5	1,8	1,6
Meat, fish, fruit, etc.	1,4	1,4	0,9	1,4	0,8	1,1
Dairy products	-0,1	-0,2	0,0	-0,1	0,1	0,2
Grain mill products	0,4	0,7	0,4	0,6	0,7	0,7
Other food products	-1,3	-0,8	-0,3	-0,3	-0,1	-0,8
Beverages	1,5	4,5	-0,4	0,0	0,2	0,4
Textiles, clothing, leather and footwear	0,2	0,0	0,3	0,3	-0,1	0,3
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	0,1	0,0	0,1	0,1	0,0	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,1	0,1	0,2	0,2	0,0	0,2
Leather and leather products	-0,1	-0,1	0,0	0,0	-0,1	0,0
Footwear	0,1	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	0,6	1,1	0,2	0,3	-0,3	-0,4
Sawmilling and planing of wood	0,1	0,0	0,0	0,0	0,0	0,0
Products of wood	0,0	0,1	0,1	0,1	0,0	0,1
Paper and paper products	0,6	0,7	0,1	0,2	-0,4	-0,6
Publishing	-0,1	0,2	0,0	0,0	0,0	0,0
Printing, recorded media	0,0	0,0	0,0	0,0	0,1	0,1
Petroleum, chemical products, rubber and plastic products	2,6	2,2	2,7	3,4	1,4	4,9
Coke, petroleum products and nuclear fuel	1,2	0,4	1,3	1,0	0,3	0,9
Basic chemicals	1,2	0,8	0,8	1,0	0,2	1,6
Other chemical products	-0,5	0,2	0,0	0,7	0,3	1,8
Rubber products	0,1	0,0	-0,1	0,0	0,2	0,0
Plastic products	0,5	0,8	0,6	0,7	0,4	0,7
Glass and non-metallic mineral products	0,1	0,0	0,3	0,1	0,0	0,3
Glass and glass products	0,1	0,0	0,1	0,0	0,1	0,1
Non-metallic mineral products	0,0	0,0	0,2	0,1	-0,1	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,8	5,2	5,7	1,9	1,6	4,0
Basic iron and steel products	1,8	3,0	2,5	1,6	0,3	1,4
Non-ferrous metal products	1,2	0,9	2,0	-0,9	0,6	1,1
Structural metal products	0,1	0,1	0,1	0,2	0,1	0,1
Other fabricated metal products	0,0	0,5	0,7	0,6	0,1	0,5
General purpose machinery	0,4	0,3	0,2	0,2	0,0	0,5
Special purpose machinery	0,2	0,3	0,2	0,2	0,3	0,4
Household appliances	0,1	0,0	0,1	0,1	0,0	0,1
Electrical machinery	0,3	0,4	0,4	0,4	0,5	0,4
Radio, television and communication apparatus and professional equipment	0,0	0,2	0,1	0,0	0,0	0,1
Radio, television and communication apparatus	0,1	0,1	0,1	0,0	0,0	0,1
Professional equipment	0,0	0,1	0,1	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	-0,3	-1,6	0,3	-0,2	-2,5	-1,4
Motor vehicles	-0,1	-0,9	0,5	0,1	-1,4	-0,7
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,1	0,0	0,1	0,0	0,1
Parts and accessories	-0,4	-0,9	-0,4	-0,7	-1,3	-1,1
Other transport equipment	0,2	0,2	0,2	0,3	0,2	0,3
Furniture and other manufacturing	1,0	0,6	0,2	0,6	0,7	0,4
Furniture	0,2	0,2	0,1	0,1	0,1	0,1
Other manufacturing groups	0,8	0,4	0,1	0,5	0,7	0,3
Total	10,2	13,6	10,7	8,4	3,1	10,3

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Month-on-month % change
Food and beverages	57 066	56 120	57 078	57 596	57 168	-0,7
Meat, fish, fruit, etc.	17 609	16 864	17 636	17 322	17 537	1,2
Dairy products	4 368	4 365	4 436	4 477	4 580	2,3
Grain mill products	9 176	9 056	9 282	9 752	9 585	-1,7
Other food products	9 968	10 149	9 960	10 655	9 952	-6,6
Beverages	15 945	15 685	15 765	15 390	15 513	0,8
Textiles, clothing, leather and footwear	5 160	5 470	5 630	4 946	5 290	7,0
Textiles	814	783	800	769	779	1,3
Other textile products	1 430	1 634	1 794	1 420	1 497	5,4
Knitted, crocheted articles	180	189	197	193	197	2,1
Wearing apparel	1 740	1 778	1 801	1 568	1 745	11,3
Leather and leather products	421	515	447	409	474	15,9
Footwear	576	570	590	586	598	2,0
Wood and wood products, paper, publishing and printing	15 601	14 008	14 329	13 504	12 969	-4,0
Sawmilling and planing of wood	895	921	881	901	866	-3,9
Products of wood	2 228	2 046	1 977	1 960	1 959	-0,1
Paper and paper products	8 301	7 372	7 765	6 594	6 271	-4,9
Publishing	1 576	1 166	1 166	1 130	1 189	5,2
Printing, recorded media	2 600	2 503	2 538	2 919	2 684	-8,1
Petroleum, chemical products, rubber and plastic products	42 244	42 887	45 092	43 218	48 101	11,3
Coke, petroleum products and nuclear fuel	8 537	10 243	10 389	9 407	10 108	7,5
Basic chemicals	10 662	10 550	11 306	10 740	12 082	12,5
Other chemical products	13 475	12 995	13 939	13 750	16 524	20,2
Rubber products	1 635	1 524	1 574	2 007	1 509	-24,8
Plastic products	7 934	7 575	7 884	7 313	7 879	7,7
Glass and non-metallic mineral products	6 535	6 668	6 535	6 348	6 700	5,5
Glass and glass products	1 299	1 427	1 417	1 430	1 488	4,1
Non-metallic mineral products	5 235	5 241	5 119	4 918	5 212	6,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	58 471	58 348	59 919	56 148	58 532	4,2
Basic iron and steel products	15 589	14 919	14 793	13 693	14 327	4,6
Non-ferrous metal products	18 724	20 279	21 221	19 247	19 894	3,4
Structural metal products	3 537	3 344	3 961	3 583	3 504	-2,2
Other fabricated metal products	8 600	8 174	8 121	7 594	7 868	3,6
General purpose machinery	4 617	4 380	4 468	4 191	5 008	19,5
Special purpose machinery	6 146	5 953	6 025	6 532	6 604	1,1
Household appliances	1 259	1 299	1 329	1 307	1 328	1,6
Electrical machinery	6 034	5 793	5 848	6 115	5 935	-2,9
Radio, television and communication apparatus and professional equipment	2 340	2 271	2 168	2 066	2 325	12,5
Radio, television and communication apparatus	1 155	1 133	1 062	982	1 210	23,2
Professional equipment	1 184	1 138	1 106	1 085	1 115	2,8
Motor vehicles, parts and accessories and other transport equipment	29 354	31 658	32 851	30 411	29 664	-2,5
Motor vehicles	17 320	19 238	20 349	18 196	17 688	-2,8
Bodies for motor vehicles, trailers and semi-trailers	1 273	1 200	1 319	1 315	1 419	7,9
Parts and accessories	7 968	8 368	8 238	7 941	7 545	-5,0
Other transport equipment	2 793	2 853	2 946	2 960	3 011	1,7
Furniture and other manufacturing	8 897	8 229	9 235	9 146	8 536	-6,7
Furniture	1 847	1 489	1 590	1 501	1 477	-1,6
Other manufacturing groups	7 049	6 741	7 645	7 646	7 060	-7,7
Total	231 702	231 452	238 686	229 498	235 221	2,5

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2019. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 63,3% for May 2022. The improved collection rate for April 2022 was 66,8%.
Statistical unit	10	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	12	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.

- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

Survey methodology and design

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 050 enterprises from a population of 29 137 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2021 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

Class limits

- 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 717 025	17 500 000
Small	3	17 500 001	45 500 000
Medium	2	45 500 001	178 500 000
Large	1	178 500 001	

Sample weighting

- 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

Index of the volume of manufacturing production

- 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2019. The production in the base period is set at 100.

Calculation of production index

- 6** The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7** More direct indicators are used for the value of production of the following major groups:
- tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8** For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2022	National accounts

- 9** The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table G – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period			
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 – 2022 (based on value added for 2017 – 2019)
Food and beverages	19,24	19,76	20,18	20,75
Meat, fish, fruit, etc.	2,58	2,74	2,95	3,27
Dairy products	1,27	1,32	1,34	1,39
Grain mill products	1,95	1,81	1,69	1,68
Other food products	7,29	7,53	7,76	7,75
Beverages	6,15	6,36	6,44	6,66
Textiles, clothing, leather and footwear	4,55	4,44	4,38	4,26
Textiles	1,15	1,11	1,10	1,08
Other textile products	0,67	0,67	0,65	0,61
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,13	2,07	2,04	1,98
Leather and leather products	0,29	0,28	0,28	0,27
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,88	10,76	10,77	10,63
Sawmilling and planing of wood	0,93	0,93	0,93	0,87
Products of wood	0,83	0,86	0,87	0,88
Paper and paper products	5,38	5,33	5,39	5,34
Publishing	2,31	2,28	2,24	2,18
Printing, recorded media	1,43	1,36	1,34	1,35
Petroleum, chemical products, rubber and plastic products	24,66	25,25	25,38	24,95
Coke, petroleum products and nuclear fuel	10,98	11,72	12,02	11,85
Basic chemicals	4,10	3,82	3,69	3,50
Other chemical products	6,28	6,42	6,54	6,64
Rubber products	0,96	0,91	0,84	0,76
Plastic products	2,34	2,38	2,29	2,20
Glass and non-metallic mineral products	3,98	3,66	3,42	3,24
Glass and glass products	0,61	0,57	0,51	0,49
Non-metallic mineral products	3,37	3,09	2,91	2,75
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,82	19,55	19,47	19,73
Basic iron and steel products	2,86	2,77	2,82	2,92
Non-ferrous metal products (including precious metals)	3,74	3,48	3,26	3,32
Structural metal products	1,92	1,97	1,98	1,99
Other fabricated metal products	3,33	3,32	3,35	3,53
General purpose machinery	3,35	3,36	3,46	3,42
Special purpose machinery	3,93	3,93	3,87	3,85
Household appliances	0,69	0,71	0,73	0,70
Electrical machinery	2,55	2,42	2,31	2,21
Radio, television and communication apparatus and professional equipment	1,46	1,34	1,21	1,07
Radio, television and communication apparatus	0,43	0,29	0,13	0,04
Professional equipment	1,03	1,05	1,08	1,03
Motor vehicles, parts and accessories and other transport equipment	8,63	8,56	8,66	8,89
Motor vehicles	2,51	2,61	2,65	2,78
Bodies for motor vehicles, trailers and semi-trailers	0,66	0,68	0,71	0,73
Parts and accessories	4,10	3,91	3,93	3,97
Other transport equipment	1,36	1,36	1,37	1,40
Furniture and other manufacturing	4,22	4,26	4,21	4,27
Furniture	0,88	0,91	0,86	0,78
Other manufacturing groups	3,34	3,35	3,35	3,49
Total	100	100	100	100

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| Seasonal adjustment | 10 | Seasonally adjusted estimates are generated each month, using the X-12 Seasonal Adjustment Program developed by the United States Census Bureau. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website:
Click to Download Manufacturing seasonal adjustment February 2022 |
| Trend cycle | 11 | The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend. |
| Reliability of estimates | 12 | Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors. |
| | 13 | Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors. |
| Month-on-month percentage change | 14 | The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter. |
| Year-on-year (annual) percentage change | 15 | The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter. |
| Index contribution (percentage points) | 16 | The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. |
| Sales contribution (percentage points) | 17 | The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100. |

Glossary

Enterprise	The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.	
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts</i> (SNA) in the same way as in the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02 of January 1993.	
Sales	Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.	
Symbols and abbreviations	BSF	Business sampling frame
	GDP	Gross domestic product
	IMF	International Monetary Fund
	ISIC	International Standard Industrial Classification
	LSS	Large sample survey
	NA	National accounts
	PPI	Producer price index
	Rm	R million
	SIC	Standard Industrial Classification of all Economic Activities
	SARS	South African Revenue Service
	SDDS	Special Data Dissemination Standard
	Stats SA	Statistics South Africa
	VAT	Value added tax
	*	Revised figures

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