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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

July 2022

The results published today are based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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Production: results for July 2022

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

	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Year-on-year % change, unadjusted	1,8	0,2	-7,1	-1,1	-3,4	3,7
Month-on-month % change, seasonally adjusted	-1,1	0,8	-5,2	0,4	-2,0	-0,2
3-month % change, seasonally adjusted ¹	3,8	4,5	-0,4	-2,5	-5,3	-4,2

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

Manufacturing production increased by 3,7% in July 2022 compared with July 2021. The largest contributions were made by the following divisions:

- food and beverages (9,7% and contributing 2,0 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (12,1% and contributing 1,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 0,2% in July 2022 compared with June 2022. This followed month-on-month changes of -2,0% in June 2022 and 0,4% in May 2022 – see Table A.

Seasonally adjusted manufacturing production decreased by 4,2% in the three months ended July 2022 compared with the previous three months. Seven 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 (-8,6% and contributing -1,9 percentage points);
- food and beverages (-3,4% and contributing -0,8 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (-6,3% 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	Feb – Apr 2022	May – Jul 2022	% change between Feb – Apr 2022 and May – Jul 2022	Contribution (% points) to the total % change
Food and beverages	20,75	102,4	98,9	-3,4	-0,8
Meat, fish, fruit, etc.	3,27	105,0	102,2	-2,7	-0,1
Dairy products	1,39	87,6	89,6	2,3	0,0
Grain mill products	1,68	102,1	99,9	-2,2	0,0
Other food products	7,75	96,7	86,7	-10,3	-0,8
Beverages	6,66	110,9	113,3	2,2	0,2
Textiles, clothing, leather and footwear	4,26	98,0	90,6	-7,6	-0,3
Textiles	1,08	112,1	109,7	-2,1	0,0
Other textile products	0,61	94,2	85,6	-9,1	-0,1
Knitted, crocheted articles	0,06	79,8	85,1	6,6	0,0
Wearing apparel	1,98	95,4	80,3	-15,8	-0,3
Leather and leather products	0,27	79,7	95,6	19,9	0,0
Footwear	0,25	91,2	97,2	6,6	0,0
Wood and wood products, paper, publishing and printing	10,63	89,8	88,7	-1,2	-0,1
Sawmilling and planing of wood	0,87	85,6	87,3	2,0	0,0
Products of wood	0,88	100,4	99,1	-1,3	0,0
Paper and paper products	5,34	92,4	89,7	-2,9	-0,2
Publishing	2,18	79,6	78,8	-1,0	0,0
Printing, recorded media	1,35	91,7	95,3	3,9	0,1
Petroleum, chemical products, rubber and plastic products	24,95	84,9	77,6	-8,6	-1,9
Coke, petroleum products and nuclear fuel	11,85	69,7	50,7	-27,3	-2,4
Basic chemicals	3,50	105,2	112,2	6,7	0,3
Other chemical products	6,64	96,0	98,2	2,3	0,2
Rubber products	0,76	92,1	88,9	-3,5	0,0
Plastic products	2,20	98,7	101,4	2,7	0,1
Glass and non-metallic mineral products	3,24	100,8	101,6	0,8	0,0
Glass and glass products	0,49	105,9	104,4	-1,4	0,0
Non-metallic mineral products	2,75	99,9	101,1	1,2	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	96,0	95,0	-1,0	-0,2
Basic iron and steel products	2,92	88,5	84,2	-4,9	-0,1
Non-ferrous metal products	3,32	91,8	83,9	-8,6	-0,3
Structural metal products	1,99	92,0	88,5	-3,8	-0,1
Other fabricated metal products	3,53	99,4	97,5	-1,9	-0,1
General purpose machinery	3,42	100,6	109,7	9,0	0,3
Special purpose machinery	3,85	99,6	99,3	-0,3	0,0
Household appliances	0,70	100,1	102,1	2,0	0,0
Electrical machinery	2,21	105,7	94,0	-11,1	-0,3
Radio, television and communication apparatus and professional equipment	1,07	101,4	101,8	0,4	0,0
Radio, television and communication apparatus	0,04	82,5	86,3	4,6	0,0
Professional equipment	1,03	102,1	102,4	0,3	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	98,1	91,9	-6,3	-0,6
Motor vehicles	2,78	101,0	82,9	-17,9	-0,5
Bodies for motor vehicles, trailers and semi-trailers	0,73	107,4	119,3	11,1	0,1
Parts and accessories	3,97	95,6	93,9	-1,8	-0,1
Other transport equipment	1,40	94,6	89,5	-5,4	-0,1
Furniture and other manufacturing	4,27	92,2	93,4	1,3	0,1
Furniture	0,78	92,4	87,6	-5,2	0,0
Other manufacturing groups	3,49	92,2	94,7	2,7	0,1
Total	100	94,5	90,5	-4,2	-4,2

Figure 1 – Volume of manufacturing production (Base: 2019=100)

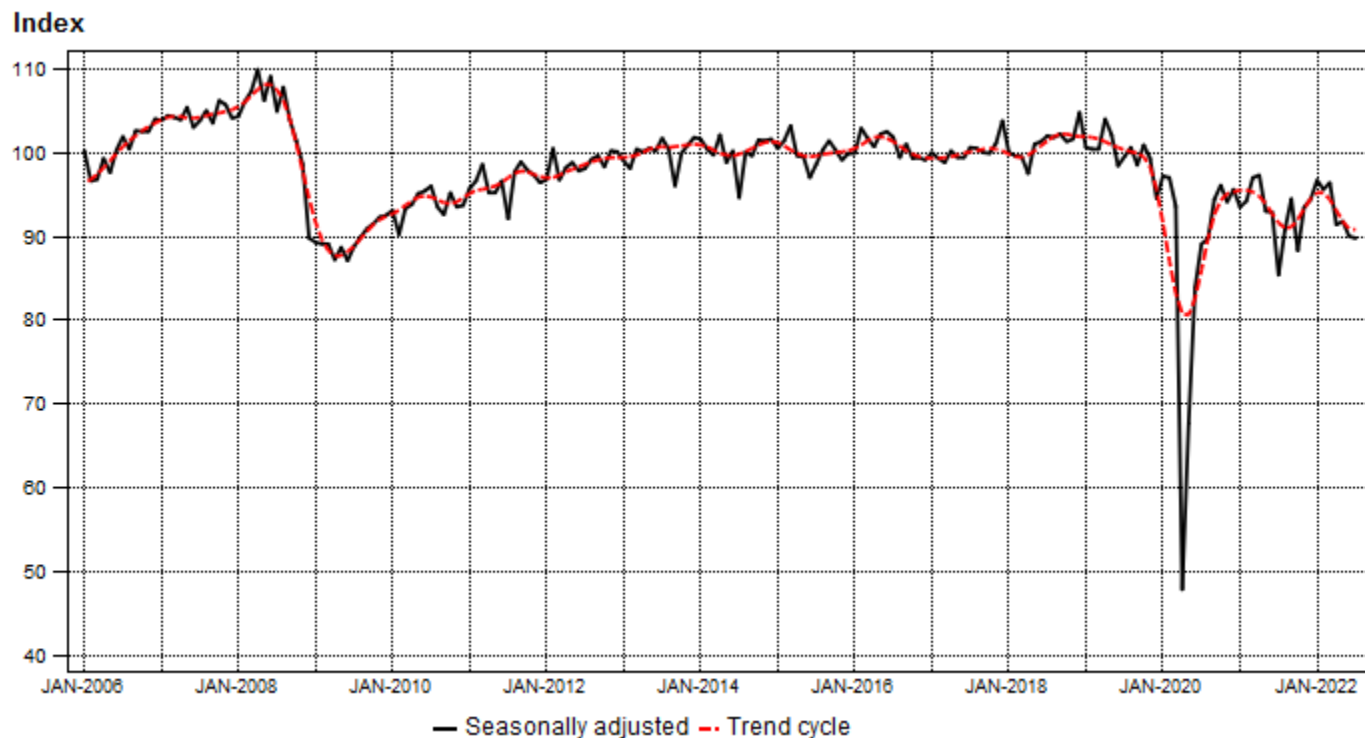
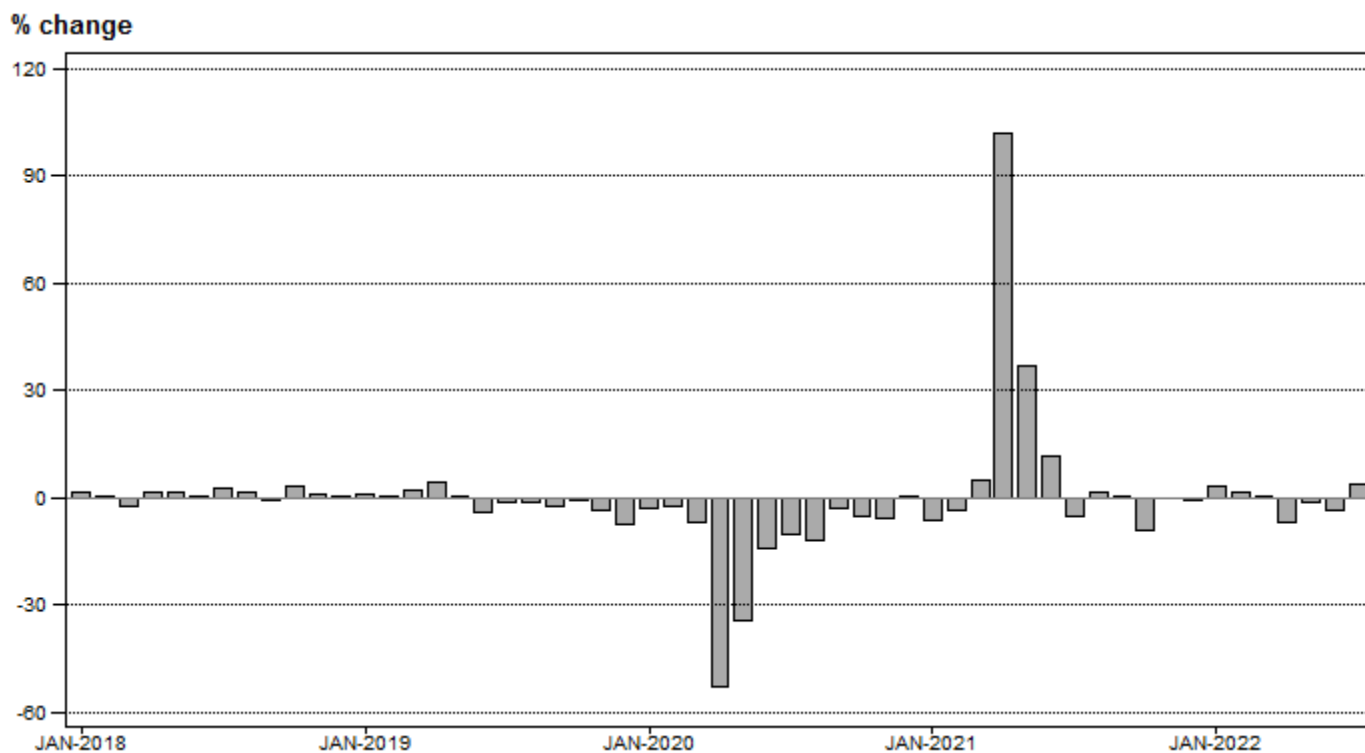


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



Sales: results for July 2022**Table C – Key growth rates in manufacturing sales at current prices**

	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Year-on-year % change, unadjusted	11,2	8,9	3,5	12,2	10,1	23,9
Month-on-month % change, seasonally adjusted	0,6	2,7	-3,8	3,1	-0,2	-0,2
3-month % change, seasonally adjusted ¹	8,1	9,0	4,1	2,7	0,1	1,2

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

Seasonally adjusted manufacturing sales decreased by 0,2% in July 2022 compared with June 2022. This followed month-on-month changes of -0,2% in June 2022 and 3,1% in May 2022 – see Table C.

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

Manufacturing division	Feb – Apr 2022 (R million)	May – Jul 2022 (R million)	% change between Feb – Apr 2022 and May – Jul 2022	Contribution (% points) to the total % change
Food and beverages	173 380	179 488	3,5	0,8
Textiles, clothing, leather and footwear	16 750	15 999	-4,5	-0,1
Wood and wood products, paper, publishing and printing	43 089	43 084	0,0	0,0
Petroleum, chemical products, rubber and plastic products	151 899	156 323	2,9	0,6
Glass and non-metallic mineral products	22 704	23 551	3,7	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	174 860	174 845	0,0	0,0
Electrical machinery	17 691	17 294	-2,2	-0,1
Radio, television and communication apparatus and professional equipment	7 188	7 424	3,3	0,0
Motor vehicles, parts and accessories and other transport equipment	98 140	95 970	-2,2	-0,3
Furniture and other manufacturing	27 366	27 939	2,1	0,1
Total	733 067	741 917	1,2	1,2

Seasonally adjusted manufacturing sales increased by 1,2% in the three months ended July 2022 compared with the previous three months. The largest contributions were made by the following divisions:

- food and beverages (3,5% and contributing 0,8 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (2,9% and contributing 0,6 of a percentage point) – see Table D.

Risenga Maluleke
Statistician-General

Note: Changes to the survey and the impact on the statistical series

Business register and samples

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2022, which replaces the previous sample that was drawn in April 2021. The sample was drawn from a business register of enterprises with an annual turnover of at least R3 814 269 and that are required to register with the South African Revenue Service (SARS) for value added tax.

Owing to the evolving nature of business, the business register is maintained on a continuous basis. The maintenance process is aimed, amongst other things, at capturing changes related to new businesses, ceased businesses, merged businesses and classification changes. In addition, Stats SA undertakes quality improvement surveys related to the business register, the primary objective of which is to capture up-to-date information about the structures and activities of large and complex businesses. This process enables Stats SA to review classification codes for these businesses. These changes are an essential part of the statistical architecture.

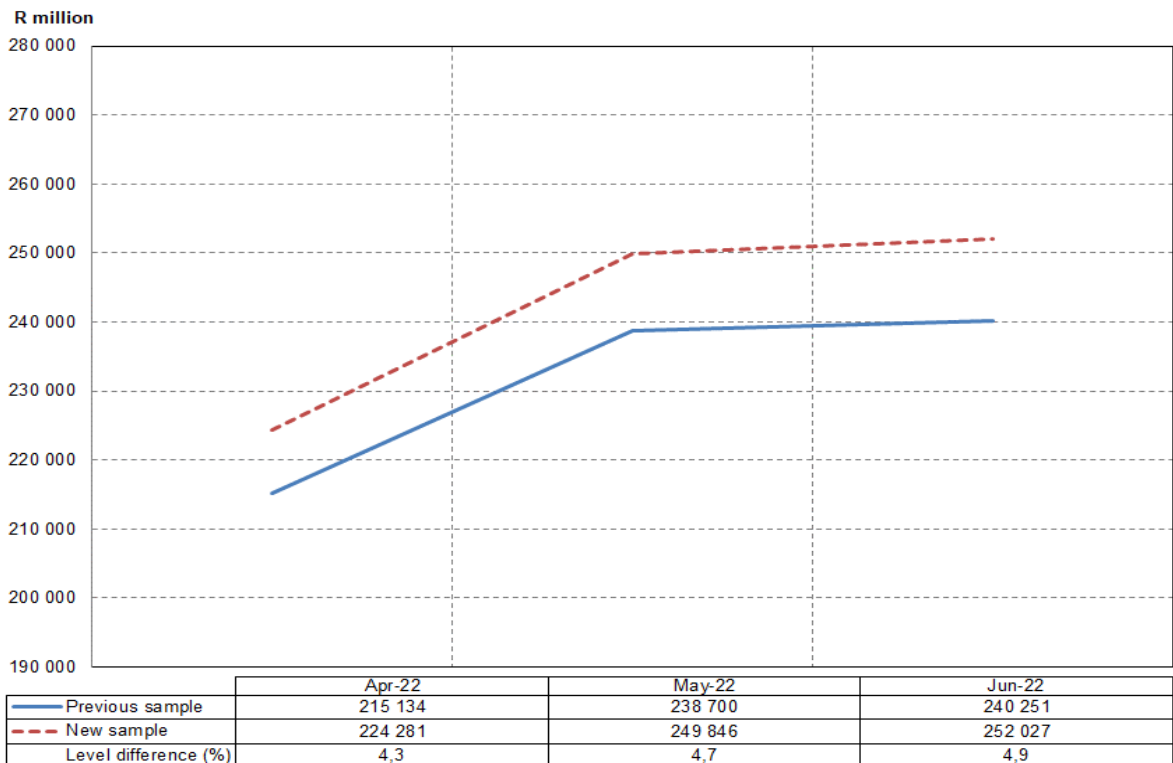
Comparison of total sales between the previous and new samples of the manufacturing industry

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2022 based on the new sample was 4,6% (R32 069 million) higher than the level of total sales recorded for the previous sample – see Table E and Figure A. The previous sample was drawn in April 2021 and was operational for the last half of 2021 and the first half of 2022.

Table E – Total sales for previous and new samples for the manufacturing industry – April to June 2022

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	694 085	726 154	32 069	4,6

Figure A – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2022



Comparison of sales between the previous and new samples by division

The differences in sales between the previous and new samples by manufacturing division are shown in Table F.

Table F – Manufacturing sales for previous and new samples by division: April to June 2022

Manufacturing division	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) ¹
Food and beverages	167 063	169 488	2 425	1,5
Textiles, clothing, leather and footwear	14 625	15 343	718	4,9
Wood and wood products, paper, publishing and printing	39 220	40 262	1 042	2,7
Petroleum, chemical products, rubber and plastic products	135 698	156 410	20 712	15,3
Glass and non-metallic mineral products	19 654	23 045	3 391	17,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	175 019	176 057	1 038	0,6
Electrical machinery	16 802	16 983	181	1,1
Radio, television and communication apparatus and professional equipment	6 034	6 777	743	12,3
Motor vehicles, parts and accessories and other transport equipment	93 167	94 384	1 217	1,3
Furniture and other manufacturing	26 803	27 404	601	2,2
Total manufacturing	694 085	726 154	32 069	4,6

¹ The percentage difference is the new sample minus the previous sample, divided by the previous sample, multiplied by 100.

The largest percentage differences were in the following manufacturing divisions:

- glass and non-metallic mineral products (17,3% or R3 391 million higher in the new sample);
- petroleum, chemical products, rubber and plastic products (15,3% or R20 712 million higher in the new sample); and
- radio, television and communication apparatus and professional equipment (12,3% or R743 million higher in the new sample).

Backcasting

To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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	99,1
Apr	95,5	90,5	91,9	95,8	45,0	91,0	84,5
May	101,2	100,1	101,8	102,0	67,0	91,9	90,9
Jun	104,0	101,5	101,9	97,8	83,8	93,7	90,5
Jul	102,2	100,6	103,2	101,8	91,3	86,7	89,9
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.

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	0,2	1,6
Apr	-5,2	1,5	4,2	-53,0	102,2	-7,1	-0,7
May	-1,1	1,7	0,2	-34,3	37,2	-1,1	-0,8
Jun	-2,4	0,4	-4,0	-14,3	11,8	-3,4	-1,2
Jul	-1,6	2,6	-1,4	-10,3	-5,0	3,7	-0,6
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	100,6	97,2	93,5	96,7	-4,0	2,9	-2,2	2,4
Feb	100,4	97,0	94,2	95,6	-0,2	-0,2	0,7	-1,1
Mar	100,4	93,6	97,0	96,4	0,0	-3,5	3,0	0,8
Apr	104,0	47,9	97,3	91,4	3,6	-48,8	0,3	-5,2
May	102,1	67,7	93,0	91,8	-1,8	41,3	-4,4	0,4
Jun	98,4	83,9	92,9	90,0	-3,6	23,9	-0,1	-2,0
Jul	99,5	89,1	85,4	89,8	1,1	6,2	-8,1	-0,2
Aug	100,6	89,7	90,8		1,1	0,7	6,3	
Sep	98,5	94,4	94,5		-2,1	5,2	4,1	
Oct	100,9	96,1	88,3		2,4	1,8	-6,6	
Nov	99,3	94,1	93,5		-1,6	-2,1	5,9	
Dec	94,5	95,6	94,4		-4,8	1,6	1,0	

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

Manufacturing division and major group	Weights	Feb-22	Mar-22	Apr-22	¹ May-22	¹ Jun-22	¹ Jul-22
Food and beverages	20,75	95,8	101,3	91,3	96,6	96,3	93,7
Meat, fish, fruit, etc.	3,27	100,8	110,4	98,2	103,7	99,2	98,9
Dairy products	1,39	78,9	87,5	84,6	77,7	79,4	89,0
Grain mill products	1,68	96,1	105,3	92,0	101,3	102,4	97,5
Other food products	7,75	83,7	81,7	93,2	91,0	91,6	93,4
Beverages	6,66	110,8	121,6	86,9	102,4	102,4	91,5
Textiles, clothing, leather and footwear	4,26	98,7	106,9	83,3	92,1	87,4	93,3
Textiles	1,08	117,2	122,4	104,3	118,2	111,8	113,3
Other textile products	0,61	95,0	106,3	85,1	83,9	85,1	86,7
Knitted, crocheted articles	0,06	86,6	83,0	70,4	96,0	84,3	83,3
Wearing apparel	1,98	94,8	104,6	74,0	81,0	72,1	82,6
Leather and leather products	0,27	85,0	88,1	69,8	91,6	96,7	95,0
Footwear	0,25	75,7	85,9	80,1	87,7	99,4	108,5
Wood and wood products, paper, publishing and printing	10,63	84,0	90,6	77,7	82,2	91,1	86,0
Sawmilling and planing of wood	0,87	87,4	82,1	82,2	90,3	92,0	92,1
Products of wood	0,88	100,3	97,6	89,4	98,3	94,6	106,7
Paper and paper products	5,34	86,0	98,4	79,6	83,1	98,7	84,2
Publishing	2,18	74,8	72,9	65,2	67,9	69,7	75,3
Printing, recorded media	1,35	78,3	89,0	80,1	85,7	92,8	92,6
Petroleum, chemical products, rubber and plastic products	24,95	78,8	90,0	74,8	79,2	76,8	73,3
Coke, petroleum products and nuclear fuel	11,85	65,6	75,0	57,5	51,5	46,4	44,9
Basic chemicals	3,50	87,9	108,9	102,7	117,1	112,8	111,0
Other chemical products	6,64	92,2	101,9	83,9	102,0	102,6	91,3
Rubber products	0,76	89,4	96,5	91,7	91,4	98,7	96,8
Plastic products	2,20	91,6	102,4	90,7	95,6	98,2	103,9
Glass and non-metallic mineral products	3,24	93,1	105,5	92,2	109,4	103,8	103,0
Glass and glass products	0,49	97,2	98,4	99,8	107,3	99,1	99,5
Non-metallic mineral products	2,75	92,3	106,8	90,8	109,8	104,6	103,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	95,1	103,9	90,1	97,0	97,6	97,0
Basic iron and steel products	2,92	94,8	89,3	91,3	85,5	75,0	89,0
Non-ferrous metal products	3,32	88,4	99,8	88,6	89,2	82,8	82,5
Structural metal products	1,99	91,5	108,2	71,7	86,3	102,9	93,9
Other fabricated metal products	3,53	101,6	111,3	87,0	96,8	99,2	101,4
General purpose machinery	3,42	93,2	104,5	88,9	116,8	116,2	113,1
Special purpose machinery	3,85	98,1	109,2	102,3	99,0	106,3	98,0
Household appliances	0,70	97,9	103,0	98,5	105,5	101,2	100,6
Electrical machinery	2,21	105,8	112,0	98,5	97,7	95,0	94,9
Radio, television and communication apparatus and professional equipment	1,07	97,7	111,6	90,0	101,6	106,5	99,4
Radio, television and communication apparatus	0,04	91,1	79,1	60,9	70,5	83,9	85,9
Professional equipment	1,03	98,0	113,0	91,2	102,9	107,4	100,0
Motor vehicles, parts and accessories and other transport equipment	8,89	102,7	113,1	88,1	94,2	93,4	102,6
Motor vehicles	2,78	110,9	122,3	78,6	89,6	79,9	89,8
Bodies for motor vehicles, trailers and semi-trailers	0,73	93,3	116,4	108,8	119,0	139,9	128,8
Parts and accessories	3,97	102,9	106,1	92,7	94,8	95,3	114,0
Other transport equipment	1,40	91,0	113,0	82,9	88,3	90,4	81,9
Furniture and other manufacturing	4,27	91,4	88,0	78,4	96,2	88,0	100,6
Furniture	0,78	82,8	88,3	76,5	89,6	90,4	83,7
Other manufacturing groups	3,49	93,3	87,8	78,9	97,6	87,5	104,3
Total	100	90,9	99,1	84,5	90,9	90,5	89,9

¹ The latest three months are preliminary.

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	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Food and beverages	6,8	-3,1	-5,6	-3,0	-3,5	9,7
Meat, fish, fruit, etc.	6,7	7,2	1,2	3,6	-2,8	5,8
Dairy products	-10,6	-17,1	-4,2	-10,6	-6,6	-0,3
Grain mill products	7,4	8,1	-0,9	1,8	6,4	-5,2
Other food products	5,9	-10,5	-10,0	-14,8	-17,4	-10,5
Beverages	10,5	-0,4	-5,0	9,4	14,0	68,8
Textiles, clothing, leather and footwear	8,5	9,8	-10,1	7,1	-3,3	9,1
Textiles	7,4	-3,0	-10,9	-0,5	-5,5	3,5
Other textile products	7,1	17,3	-7,4	-3,7	-1,0	8,9
Knitted, crocheted articles	13,4	0,6	-6,4	19,6	9,3	15,2
Wearing apparel	13,8	25,1	-7,0	18,6	-4,9	16,2
Leather and leather products	-0,9	-14,8	-27,6	16,4	11,3	5,7
Footwear	-15,2	-11,1	-15,0	-3,0	-3,5	-1,2
Wood and wood products, paper, publishing and printing	-5,0	-3,6	-9,9	-7,5	-4,0	-0,2
Sawmilling and planing of wood	0,6	-17,5	-2,0	-5,2	-5,5	-1,7
Products of wood	3,1	-5,7	-9,2	2,8	-6,0	4,8
Paper and paper products	-4,7	1,9	-11,8	-13,2	-4,5	-4,9
Publishing	-9,7	-12,3	-11,1	0,4	-7,3	4,0
Printing, recorded media	-8,3	-2,4	-5,3	-2,8	6,2	9,3
Petroleum, chemical products, rubber and plastic products	-1,5	6,3	-4,6	10,2	2,0	-1,1
Coke, petroleum products and nuclear fuel	9,2	19,0	-4,0	21,7	-5,9	-18,8
Basic chemicals	-9,9	4,0	-0,6	15,9	6,8	6,9
Other chemical products	-7,1	-3,5	-10,4	0,1	3,5	5,2
Rubber products	-17,2	-13,5	9,8	-5,6	-1,5	15,5
Plastic products	0,5	5,2	0,1	11,6	13,7	20,7
Glass and non-metallic mineral products	-1,9	-2,4	-6,1	4,9	-1,1	-0,5
Glass and glass products	4,0	-1,9	12,3	3,9	18,0	6,1
Non-metallic mineral products	-3,0	-2,5	-9,1	5,1	-3,9	-1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	3,8	-1,1	-5,8	-5,2	-3,4	-0,1
Basic iron and steel products	22,3	-6,0	-0,1	-12,4	-18,1	-7,3
Non-ferrous metal products	-1,7	1,1	-4,6	-6,6	-11,2	-2,6
Structural metal products	-2,2	7,2	-16,8	-13,4	1,4	-4,2
Other fabricated metal products	8,1	0,8	-12,7	-7,4	-2,1	-1,4
General purpose machinery	0,3	6,5	-11,6	9,8	6,2	12,0
Special purpose machinery	-1,2	-11,4	4,3	-7,6	-1,2	-4,6
Household appliances	5,4	7,7	4,6	0,9	5,0	25,0
Electrical machinery	15,5	14,5	6,4	2,6	-3,5	1,6
Radio, television and communication apparatus and professional equipment	15,8	4,8	-0,3	1,9	11,3	18,9
Radio, television and communication apparatus	12,1	-16,3	-16,8	-17,4	7,0	30,7
Professional equipment	16,0	5,6	0,2	2,6	11,4	18,6
Motor vehicles, parts and accessories and other transport equipment	-5,5	-8,6	-23,0	-15,6	-15,5	12,1
Motor vehicles	10,5	12,3	-26,5	-13,3	-22,3	65,7
Bodies for motor vehicles, trailers and semi-trailers	-12,0	9,1	-2,1	8,8	16,1	16,4
Parts and accessories	-16,9	-26,1	-30,0	-26,6	-21,9	-0,7
Other transport equipment	8,6	6,7	4,1	11,1	3,0	-8,4
Furniture and other manufacturing	5,1	12,2	8,9	15,1	-3,2	4,9
Furniture	5,1	10,1	6,5	1,9	10,1	-2,3
Other manufacturing groups	4,9	12,6	9,6	18,0	-5,7	6,3
Total	1,8	0,2	-7,1	-1,1	-3,4	3,7

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

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	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Month-on-month % change
Food and beverages	20,75	102,2	98,3	99,4	97,9	99,4	1,5
Meat, fish, fruit, etc.	3,27	105,8	103,0	103,2	99,9	103,4	3,5
Dairy products	1,39	85,7	88,2	85,8	88,4	94,7	7,1
Grain mill products	1,68	102,2	100,1	101,1	100,4	98,2	-2,2
Other food products	7,75	93,1	94,4	87,8	83,0	89,2	7,5
Beverages	6,66	114,6	102,2	113,6	115,5	110,7	-4,2
Textiles, clothing, leather and footwear	4,26	105,4	88,0	91,3	91,3	89,1	-2,4
Textiles	1,08	115,2	108,0	112,2	110,3	106,7	-3,3
Other textile products	0,61	103,0	87,5	82,1	87,9	86,9	-1,1
Knitted, crocheted articles	0,06	80,3	74,2	88,2	82,2	85,0	3,4
Wearing apparel	1,98	105,7	80,6	82,3	80,9	77,7	-4,0
Leather and leather products	0,27	87,5	66,0	90,7	96,0	100,2	4,4
Footwear	0,25	93,2	89,1	97,1	96,6	97,9	1,3
Wood and wood products, paper, publishing and printing	10,63	90,8	89,4	87,6	91,0	87,6	-3,7
Sawmilling and planing of wood	0,87	78,4	87,0	86,2	89,7	85,9	-4,2
Products of wood	0,88	99,4	97,0	101,8	93,8	101,6	8,3
Paper and paper products	5,34	95,6	91,1	87,3	94,7	87,0	-8,1
Publishing	2,18	79,3	79,4	79,4	77,2	79,7	3,2
Printing, recorded media	1,35	92,5	95,2	93,5	97,8	94,7	-3,2
Petroleum, chemical products, rubber and plastic products	24,95	88,9	81,5	81,4	77,4	73,9	-4,5
Coke, petroleum products and nuclear fuel	11,85	76,3	61,9	57,3	50,0	44,8	-10,4
Basic chemicals	3,50	107,5	107,9	115,7	110,3	110,5	0,2
Other chemical products	6,64	98,1	94,3	99,3	99,6	95,6	-4,0
Rubber products	0,76	86,6	104,8	87,2	90,9	88,7	-2,4
Plastic products	2,20	100,8	98,1	100,5	101,1	102,5	1,4
Glass and non-metallic mineral products	3,24	101,9	99,3	104,1	101,4	99,4	-2,0
Glass and glass products	0,49	104,6	109,0	107,2	105,5	100,6	-4,6
Non-metallic mineral products	2,75	101,4	97,6	103,5	100,7	99,2	-1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,0	93,5	94,8	94,4	95,7	1,4
Basic iron and steel products	2,92	84,7	88,2	81,5	78,1	93,1	19,2
Non-ferrous metal products	3,32	94,5	88,9	87,5	80,9	83,4	3,1
Structural metal products	1,99	103,8	80,8	85,7	92,4	87,5	-5,3
Other fabricated metal products	3,53	104,5	90,7	96,0	98,9	97,6	-1,3
General purpose machinery	3,42	105,3	95,8	111,8	107,5	109,7	2,0
Special purpose machinery	3,85	90,0	107,4	98,8	102,5	96,6	-5,8
Household appliances	0,70	100,4	101,4	99,4	102,2	104,6	2,3
Electrical machinery	2,21	105,1	104,2	95,6	92,5	94,0	1,6
Radio, television and communication apparatus and professional equipment	1,07	100,9	97,1	103,0	102,6	99,7	-2,8
Radio, television and communication apparatus	0,04	79,5	74,7	78,1	90,9	89,9	-1,1
Professional equipment	1,03	101,8	98,0	104,0	103,1	100,1	-2,9
Motor vehicles, parts and accessories and other transport equipment	8,89	100,5	93,8	91,7	90,0	94,0	4,4
Motor vehicles	2,78	107,8	89,9	88,1	79,4	81,3	2,4
Bodies for motor vehicles, trailers and semi-trailers	0,73	115,6	108,7	114,9	123,6	119,3	-3,5
Parts and accessories	3,97	94,5	93,6	88,9	91,5	101,2	10,6
Other transport equipment	1,40	94,9	94,2	94,3	89,0	85,2	-4,3
Furniture and other manufacturing	4,27	94,7	94,8	98,1	86,9	95,2	9,6
Furniture	0,78	95,9	90,7	88,0	89,3	85,5	-4,3
Other manufacturing groups	3,49	94,5	95,7	100,3	86,4	97,3	12,6
Total	100	96,4	91,4	91,8	90,0	89,8	-0,2

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

Month	2016 *	2017 *	2018 *	2019 *	2020 *	2021 *	2022 ¹ *
Jan	148 755	160 525	167 548	183 379	182 810	179 439	203 502
Feb	172 469	175 284	186 833	197 889	202 751	206 844	229 922
Mar	182 720	196 317	198 873	216 145	202 704	238 957	260 280
Apr	173 354	170 582	178 303	205 339	98 153	216 628	224 281
May	187 309	193 831	207 711	215 489	145 978	222 587	249 846
Jun	191 125	197 264	207 188	215 533	178 506	229 004	252 027
Jul	185 058	188 822	210 326	219 394	192 336	198 298	245 678
Aug	191 370	200 787	217 655	228 219	198 640	219 992	
Sep	197 837	202 754	221 058	219 593	213 806	231 917	
Oct	198 077	212 440	239 210	239 383	234 021	230 295	
Nov	211 048	230 169	243 365	237 498	238 072	258 050	
Dec	175 441	187 323	196 436	190 046	196 767	217 403	
Total	2 214 563	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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	7,9	4,4	9,4	-0,3	-1,8	13,4	13,4
Feb	1,6	6,6	5,9	2,5	2,0	11,2	12,2
Mar	7,4	1,3	8,7	-6,2	17,9	8,9	11,0
Apr	-1,6	4,5	15,2	-52,2	120,7	3,5	9,0
May	3,5	7,2	3,7	-32,3	52,5	12,2	9,7
Jun	3,2	5,0	4,0	-17,2	28,3	10,1	9,8
Jul	2,0	11,4	4,3	-12,3	3,1	23,9	11,6
Aug	4,9	8,4	4,9	-13,0	10,7		
Sep	2,5	9,0	-0,7	-2,6	8,5		
Oct	7,3	12,6	0,1	-2,2	-1,6		
Nov	9,1	5,7	-2,4	0,2	8,4		
Dec	6,8	4,9	-3,3	3,5	10,5		
Total	4,6	6,8	3,8	-11,0	16,0		

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	214 055	211 433	211 886	241 681	-0,6	2,8	-0,7	3,5
Feb	210 749	214 196	218 290	243 183	-1,5	1,3	3,0	0,6
Mar	213 040	198 191	230 494	249 694	1,1	-7,5	5,6	2,7
Apr	221 138	104 755	229 716	240 190	3,8	-47,1	-0,3	-3,8
May	211 138	145 878	223 809	247 727	-4,5	39,3	-2,6	3,1
Jun	214 606	175 069	224 124	247 336	1,6	20,0	0,1	-0,2
Jul	216 281	188 333	197 623	246 854	0,8	7,6	-11,8	-0,2
Aug	221 146	196 468	215 731		2,2	4,3	9,2	
Sep	213 855	205 851	223 961		-3,3	4,8	3,8	
Oct	215 957	211 486	211 373		1,0	2,7	-5,6	
Nov	210 779	213 798	229 040		-2,4	1,1	8,4	
Dec	205 772	213 355	233 556		-2,4	-0,2	2,0	

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

Manufacturing division and major group	* Feb-22	* Mar-22	* Apr-22	¹ May-22	¹ Jun-22	¹ Jul-22
Food and beverages	52 408	59 213	54 829	56 909	57 751	56 011
Meat, fish, fruit, etc.	14 870	18 151	16 636	17 834	17 711	17 028
Dairy products	3 927	4 720	4 193	4 262	4 433	4 713
Grain mill products	8 502	10 042	9 475	10 138	10 464	10 391
Other food products	9 469	9 671	10 882	10 110	10 579	10 864
Beverages	15 641	16 629	13 644	14 565	14 564	13 017
Textiles, clothing, leather and footwear	5 346	5 970	4 866	5 436	5 042	5 501
Textiles	763	836	720	783	751	743
Other textile products	1 602	1 748	1 403	1 458	1 451	1 535
Knitted, crocheted articles	180	216	164	231	210	202
Wearing apparel	1 777	2 063	1 581	1 785	1 390	1 553
Leather and leather products	472	470	390	513	488	602
Footwear	552	636	607	666	750	866
Wood and wood products, paper, publishing and printing	13 595	14 768	12 178	12 755	15 329	14 309
Sawmilling and planing of wood	965	985	939	1 000	1 050	1 264
Products of wood	1 974	1 966	1 837	1 916	1 990	2 190
Paper and paper products	7 182	8 209	5 942	6 249	8 268	6 769
Publishing	1 224	1 178	1 023	1 110	1 149	1 205
Printing, recorded media	2 249	2 430	2 437	2 479	2 873	2 880
Petroleum, chemical products, rubber and plastic products	45 058	52 626	45 735	54 895	55 780	48 755
Coke, petroleum products and nuclear fuel	14 388	16 265	14 059	17 328	18 246	12 884
Basic chemicals	9 516	11 623	9 939	12 468	11 620	12 855
Other chemical products	12 084	14 744	12 639	15 447	15 596	12 805
Rubber products	1 599	1 720	1 795	1 559	1 901	1 682
Plastic products	7 470	8 275	7 302	8 093	8 418	8 528
Glass and non-metallic mineral products	7 256	7 802	6 621	8 317	8 107	8 102
Glass and glass products	1 214	1 207	1 167	1 355	1 315	1 257
Non-metallic mineral products	6 042	6 596	5 453	6 961	6 792	6 845
Basic iron and steel, non-ferrous metal products, metal products and machinery	56 079	65 015	52 806	60 954	62 298	56 438
Basic iron and steel products	14 524	16 579	13 116	15 269	16 893	13 646
Non-ferrous metal products	18 819	21 759	18 105	19 844	18 786	17 363
Structural metal products	3 523	4 606	3 264	3 866	4 640	4 006
Other fabricated metal products	8 006	8 978	7 290	8 353	8 749	8 290
General purpose machinery	4 241	4 802	4 109	5 381	5 397	5 438
Special purpose machinery	5 857	7 028	5 844	7 059	6 637	6 549
Household appliances	1 109	1 262	1 078	1 181	1 196	1 146
Electrical machinery	5 811	6 417	5 526	5 751	5 707	5 864
Radio, television and communication apparatus and professional equipment	2 367	2 547	1 998	2 303	2 476	2 432
Radio, television and communication apparatus	1 028	1 042	741	819	943	984
Professional equipment	1 339	1 504	1 257	1 484	1 533	1 448
Motor vehicles, parts and accessories and other transport equipment	33 656	36 148	30 922	32 332	31 129	38 521
Motor vehicles	20 460	21 226	19 119	19 744	18 006	24 971
Bodies for motor vehicles, trailers and semi-trailers	1 126	1 427	1 299	1 532	1 815	1 715
Parts and accessories	9 456	10 165	8 018	8 361	8 492	9 224
Other transport equipment	2 614	3 330	2 486	2 695	2 817	2 611
Furniture and other manufacturing	8 347	9 773	8 801	10 195	8 408	9 744
Furniture	1 357	1 477	1 282	1 487	1 455	1 400
Other manufacturing groups	6 990	8 296	7 519	8 708	6 953	8 344
Total	229 922	260 280	224 281	249 846	252 027	245 678

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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

Manufacturing division and major group	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Food and beverages	2,3	6,7	6,8	9,0	11,4	20,4
Meat, fish, fruit, etc.	14,0	21,3	15,3	21,9	14,5	23,0
Dairy products	-2,1	-3,7	2,3	4,6	8,1	5,2
Grain mill products	11,1	15,2	18,6	18,0	24,1	16,5
Other food products	-5,7	-5,0	-6,0	-16,6	-13,3	-10,3
Beverages	-5,1	-0,6	3,1	13,7	25,3	81,4
Textiles, clothing, leather and footwear	11,4	14,4	-4,0	13,1	3,7	16,6
Textiles	6,3	8,4	-3,6	4,1	1,8	8,9
Other textile products	14,6	19,0	-4,7	3,7	4,5	20,3
Knitted, crocheted articles	5,3	11,3	-4,1	17,3	24,3	14,8
Wearing apparel	23,5	31,2	6,0	33,0	0,1	18,2
Leather and leather products	5,1	-12,0	-26,1	17,4	8,9	20,6
Footwear	-11,5	-6,3	-8,3	-1,0	2,7	12,2
Wood and wood products, paper, publishing and printing	3,3	4,3	-4,7	-6,3	5,5	13,3
Sawmilling and planing of wood	8,2	0,3	-1,6	-3,3	0,1	41,7
Products of wood	16,5	8,2	5,7	12,4	9,9	12,2
Paper and paper products	3,1	6,5	-11,2	-16,5	1,4	6,4
Publishing	-5,3	-5,7	-6,2	9,9	-0,6	13,4
Printing, recorded media	-3,1	1,2	5,5	3,9	21,6	22,2
Petroleum, chemical products, rubber and plastic products	18,4	21,8	8,7	26,6	22,9	23,3
Coke, petroleum products and nuclear fuel	39,8	29,6	9,3	25,4	27,5	15,0
Basic chemicals	20,2	25,8	5,1	40,7	16,6	41,0
Other chemical products	0,8	12,4	5,9	22,8	20,9	13,3
Rubber products	-6,8	4,9	24,6	0,0	13,6	17,5
Plastic products	21,4	24,2	14,9	23,5	28,6	31,4
Glass and non-metallic mineral products	10,9	3,7	-2,5	12,0	7,4	10,9
Glass and glass products	14,7	3,6	14,0	25,5	16,7	18,9
Non-metallic mineral products	10,1	3,7	-5,5	9,6	5,7	9,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	25,3	7,8	6,3	16,3	12,7	15,8
Basic iron and steel products	53,7	28,6	5,6	25,2	25,6	15,4
Non-ferrous metal products	25,4	-8,2	7,5	11,8	0,3	16,7
Structural metal products	4,7	12,3	7,1	4,1	15,6	9,7
Other fabricated metal products	22,8	17,9	3,3	13,7	17,2	12,6
General purpose machinery	10,1	11,8	1,0	22,9	19,3	30,9
Special purpose machinery	5,5	5,9	11,4	17,7	10,0	9,1
Household appliances	11,1	16,3	6,4	12,2	12,5	31,0
Electrical machinery	14,5	19,3	18,4	15,0	12,4	14,6
Radio, television and communication apparatus and professional equipment	13,4	0,8	-0,1	2,4	15,3	31,9
Radio, television and communication apparatus	11,0	-6,2	-6,2	-7,1	7,3	37,0
Professional equipment	15,3	6,1	4,0	8,4	20,9	28,6
Motor vehicles, parts and accessories and other transport equipment	1,6	-1,5	-11,7	-3,8	-8,9	64,1
Motor vehicles	4,8	1,3	-9,1	0,1	-14,4	118,0
Bodies for motor vehicles, trailers and semi-trailers	-1,2	15,5	10,3	28,0	34,9	41,6
Parts and accessories	-8,1	-13,4	-25,2	-21,0	-10,0	9,8
Other transport equipment	20,1	19,5	17,9	27,6	19,8	8,3
Furniture and other manufacturing	4,2	16,3	22,1	29,9	3,0	16,1
Furniture	13,6	22,7	20,5	16,0	20,0	6,6
Other manufacturing groups	2,6	15,3	22,3	32,7	0,0	17,9
Total	11,2	8,9	3,5	12,2	10,1	23,9

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

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

Manufacturing division and major group	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Month-on-month % change
Food and beverages	58 098	58 364	59 209	60 148	60 131	0,0
Meat, fish, fruit, etc.	17 426	17 395	17 814	17 738	17 616	-0,7
Dairy products	4 462	4 441	4 549	4 747	4 873	2,7
Grain mill products	9 644	10 096	10 036	10 372	10 441	0,7
Other food products	10 429	10 690	10 227	10 492	10 810	3,0
Beverages	16 137	15 743	16 583	16 800	16 392	-2,4
Textiles, clothing, leather and footwear	5 878	5 165	5 524	5 159	5 316	3,0
Textiles	792	756	749	743	730	-1,7
Other textile products	1 731	1 384	1 457	1 476	1 491	1,0
Knitted, crocheted articles	200	175	208	202	199	-1,5
Wearing apparel	1 982	1 717	1 893	1 496	1 505	0,6
Leather and leather products	459	426	488	482	588	22,0
Footwear	715	706	729	759	804	5,9
Wood and wood products, paper, publishing and printing	14 585	14 154	13 438	15 065	14 581	-3,2
Sawmilling and planing of wood	954	989	960	1 023	1 221	19,4
Products of wood	2 001	1 984	2 007	1 911	2 106	10,2
Paper and paper products	7 812	7 104	6 486	7 764	7 118	-8,3
Publishing	1 265	1 237	1 297	1 267	1 288	1,7
Printing, recorded media	2 554	2 840	2 687	3 100	2 848	-8,1
Petroleum, chemical products, rubber and plastic products	51 893	49 220	53 302	52 515	50 506	-3,8
Coke, petroleum products and nuclear fuel	16 734	14 592	15 891	16 094	12 974	-19,4
Basic chemicals	11 384	10 951	12 383	11 286	13 531	19,9
Other chemical products	13 964	13 850	15 137	14 842	13 760	-7,3
Rubber products	1 575	2 025	1 555	1 783	1 606	-9,9
Plastic products	8 235	7 801	8 336	8 509	8 636	1,5
Glass and non-metallic mineral products	7 632	7 290	7 907	7 783	7 861	1,0
Glass and glass products	1 318	1 333	1 387	1 353	1 318	-2,6
Non-metallic mineral products	6 314	5 957	6 520	6 430	6 543	1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	60 141	56 167	58 652	59 010	57 183	-3,1
Basic iron and steel products	15 107	13 927	14 648	15 351	14 376	-6,4
Non-ferrous metal products	20 482	18 576	19 083	18 413	17 973	-2,4
Structural metal products	4 282	3 850	3 794	4 030	3 806	-5,6
Other fabricated metal products	8 405	7 793	8 139	8 572	7 933	-7,5
General purpose machinery	4 661	4 370	5 047	5 026	5 300	5,5
Special purpose machinery	6 064	6 518	6 799	6 468	6 607	2,1
Household appliances	1 141	1 133	1 144	1 150	1 189	3,4
Electrical machinery	5 895	6 019	5 791	5 678	5 825	2,6
Radio, television and communication apparatus and professional equipment	2 380	2 308	2 394	2 498	2 532	1,4
Radio, television and communication apparatus	984	957	922	1 039	1 088	4,7
Professional equipment	1 396	1 351	1 472	1 459	1 443	-1,1
Motor vehicles, parts and accessories and other transport equipment	33 690	32 043	31 708	30 943	33 319	7,7
Motor vehicles	20 996	19 520	19 324	18 184	20 353	11,9
Bodies for motor vehicles, trailers and semi-trailers	1 345	1 368	1 479	1 593	1 577	-1,0
Parts and accessories	8 555	8 347	8 009	8 405	8 679	3,3
Other transport equipment	2 794	2 808	2 895	2 762	2 710	-1,9
Furniture and other manufacturing	9 502	9 460	9 801	8 537	9 601	12,5
Furniture	1 577	1 493	1 472	1 472	1 384	-6,0
Other manufacturing groups	7 925	7 968	8 329	7 065	8 217	16,3
Total	249 694	240 190	247 727	247 336	246 854	-0,2

Survey information

Introduction	<p>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.</p> <p>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.</p> <p>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.</p> <p>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).</p>
Purpose of the survey	<p>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.</p>
Special Data Dissemination Standard of the IMF	<p>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.</p>
Scope of the survey	<p>7 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	<p>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.</p>
Collection rate	<p>9 The preliminary collection rate for the survey on manufacturing production and sales was 60,1% for July 2022. The improved collection rate for June 2022 for the new sample was 64,1%.</p>
Statistical unit	<p>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.</p>
Revised figures	<p>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.</p>
Related publications	<p>12 Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.</p>

- 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 3 276 enterprises from a population of 29 355 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 2022 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	3 814 269	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

- 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 *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of all Economic Activities (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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