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Production: results for August 2022

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

	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Year-on-year % change, unadjusted	0,2	-7,1	-1,1	-3,5	3,9	1,4
Month-on-month % change, seasonally adjusted	0,9	-5,2	0,4	-2,1	-0,1	2,1
3-month % change, seasonally adjusted ¹	4,6	-0,4	-2,4	-5,4	-4,1	-2,9

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

Manufacturing production increased by 1,4% in August 2022 compared with August 2021. The largest positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (21,2% and contributing 1,9 percentage points); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (4,9% and contributing 1,0 percentage point).

The largest negative contribution was made by the food and beverages division (-4,9% and contributing -1,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 2,1% in August 2022 compared with July 2022. This followed month-on-month changes of -0,1% in July 2022 and -2,1% in June 2022 – see Table A.

Seasonally adjusted manufacturing production decreased by 2,9% in the three months ended August 2022 compared with the previous three months. Six of the ten manufacturing divisions reported negative growth rates over this period.

The largest contribution was made by the petroleum, chemical products, rubber and plastic products division (-11,9% and contributing -2,7 percentage points) – 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	Mar – May 2022	Jun – Aug 2022	% change between Mar – May 2022 and Jun – Aug 2022	Contribution (% points) to the total % change
Food and beverages	20,75	99,7	97,7	-2,0	-0,4
Meat, fish, fruit, etc.	3,27	104,0	102,3	-1,6	-0,1
Dairy products	1,39	86,6	91,2	5,3	0,1
Grain mill products	1,68	101,1	99,1	-2,0	0,0
Other food products	7,75	91,5	85,4	-6,7	-0,5
Beverages	6,66	109,6	110,7	1,0	0,1
Textiles, clothing, leather and footwear	4,26	94,7	89,2	-5,8	-0,3
Textiles	1,08	111,7	108,8	-2,6	0,0
Other textile products	0,61	90,9	89,2	-1,9	0,0
Knitted, crocheted articles	0,06	81,7	86,7	6,1	0,0
Wearing apparel	1,98	89,0	75,9	-14,7	-0,3
Leather and leather products	0,27	81,7	99,8	22,2	0,1
Footwear	0,25	93,5	99,4	6,3	0,0
Wood and wood products, paper, publishing and printing	10,63	89,6	92,2	2,9	0,3
Sawmilling and planing of wood	0,87	84,6	93,4	10,4	0,1
Products of wood	0,88	99,3	99,0	-0,3	0,0
Paper and paper products	5,34	91,6	92,7	1,2	0,1
Publishing	2,18	80,2	84,8	5,7	0,1
Printing, recorded media	1,35	93,9	97,2	3,5	0,0
Petroleum, chemical products, rubber and plastic products	24,95	84,2	74,2	-11,9	-2,7
Coke, petroleum products and nuclear fuel	11,85	65,6	47,3	-27,9	-2,3
Basic chemicals	3,50	110,0	107,5	-2,3	-0,1
Other chemical products	6,64	97,6	93,7	-4,0	-0,3
Rubber products	0,76	93,2	88,6	-4,9	0,0
Plastic products	2,20	99,7	102,4	2,7	0,1
Glass and non-metallic mineral products	3,24	101,9	100,9	-1,0	0,0
Glass and glass products	0,49	107,1	104,1	-2,8	0,0
Non-metallic mineral products	2,75	100,9	100,4	-0,5	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	95,2	97,6	2,5	0,5
Basic iron and steel products	2,92	84,3	87,2	3,4	0,1
Non-ferrous metal products	3,32	90,4	86,9	-3,9	-0,1
Structural metal products	1,99	90,4	94,4	4,4	0,1
Other fabricated metal products	3,53	97,2	102,3	5,2	0,2
General purpose machinery	3,42	104,2	108,3	3,9	0,2
Special purpose machinery	3,85	99,2	101,5	2,3	0,1
Household appliances	0,70	100,5	103,7	3,2	0,0
Electrical machinery	2,21	101,6	91,6	-9,8	-0,2
Radio, television and communication apparatus and professional equipment	1,07	100,8	103,9	3,1	0,0
Radio, television and communication apparatus	0,04	77,8	85,2	9,5	0,0
Professional equipment	1,03	101,7	104,7	2,9	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	95,2	96,7	1,6	0,1
Motor vehicles	2,78	94,3	86,0	-8,8	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	112,9	120,0	6,3	0,1
Parts and accessories	3,97	92,9	103,5	11,4	0,5
Other transport equipment	1,40	94,3	86,7	-8,1	-0,1
Furniture and other manufacturing	4,27	95,7	89,7	-6,3	-0,3
Furniture	0,78	90,7	85,5	-5,7	0,0
Other manufacturing groups	3,49	96,8	90,6	-6,4	-0,2
Total	100	93,2	90,5	-2,9	-2,9

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

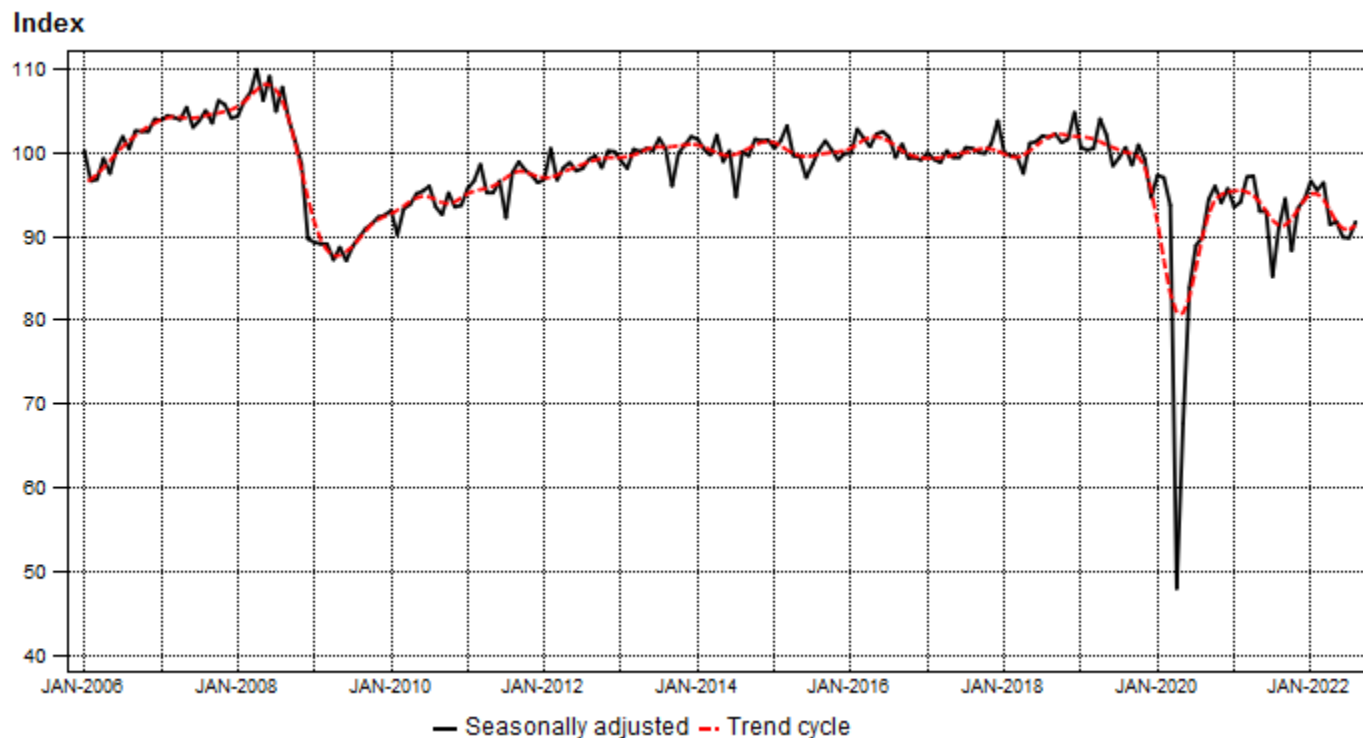
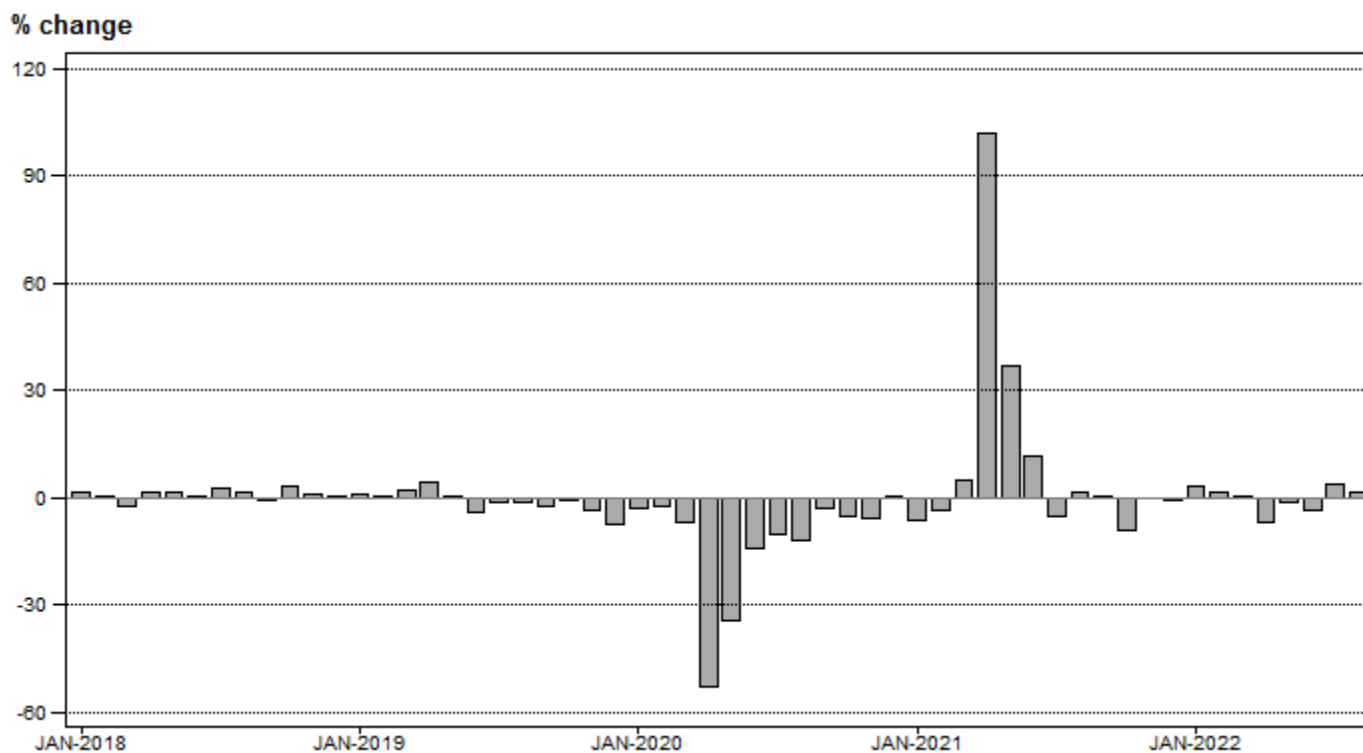


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



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

	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Year-on-year % change, unadjusted	8,9	3,5	12,4	10,0	23,9	16,2
Month-on-month % change, seasonally adjusted	2,6	-3,7	3,4	-0,6	-0,1	0,5
3-month % change, seasonally adjusted ¹	8,9	4,1	2,8	0,2	1,2	0,5

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

Seasonally adjusted manufacturing sales increased by 0,5% in August 2022 compared with July 2022. This followed month-on-month changes of -0,1% in July 2022 and -0,6% in June 2022 – see Table C.

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

Manufacturing division	Mar – May 2022 (R million)	Jun – Aug 2022 (R million)	% change between Mar – May 2022 and Jun – Aug 2022	Contribution (% points) to the total % change
Food and beverages	175 275	178 464	1,8	0,4
Textiles, clothing, leather and footwear	16 677	15 884	-4,8	-0,1
Wood and wood products, paper, publishing and printing	42 231	46 014	9,0	0,5
Petroleum, chemical products, rubber and plastic products	154 897	153 048	-1,2	-0,3
Glass and non-metallic mineral products	22 836	23 694	3,8	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	174 475	172 717	-1,0	-0,2
Electrical machinery	17 689	17 165	-3,0	-0,1
Radio, television and communication apparatus and professional equipment	7 088	7 736	9,1	0,1
Motor vehicles, parts and accessories and other transport equipment	97 909	99 468	1,6	0,2
Furniture and other manufacturing	28 977	27 211	-6,1	-0,2
Total	738 054	741 402	0,5	0,5

Seasonally adjusted manufacturing sales increased by 0,5% in the three months ended August 2022 compared with the previous three months. The largest contributions were made by the following divisions:

- wood and wood products, paper, publishing and printing (9,0% and contributing 0,5 of a percentage point); and
- food and beverages (1,8% and contributing 0,4 of a percentage point) – see Table D.

Risenga Maluleke
Statistician-General

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	90,4
Jul	102,2	100,6	103,2	101,8	91,3	86,7	90,1
Aug	103,7	105,0	106,6	105,2	92,8	94,3	95,6
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	-3,5	-1,2
Jul	-1,6	2,6	-1,4	-10,3	-5,0	3,9	-0,6
Aug	1,3	1,5	-1,3	-11,8	1,6	1,4	-0,3
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	97,3	93,5	96,6	-4,0	2,9	-2,3	2,3
Feb	100,3	97,0	94,1	95,5	-0,3	-0,3	0,6	-1,1
Mar	100,5	93,7	97,1	96,4	0,2	-3,4	3,2	0,9
Apr	104,0	48,0	97,2	91,4	3,5	-48,8	0,1	-5,2
May	102,1	67,7	93,0	91,8	-1,8	41,0	-4,3	0,4
Jun	98,4	83,9	93,0	89,9	-3,6	23,9	0,0	-2,1
Jul	99,4	88,9	85,2	89,8	1,0	6,0	-8,4	-0,1
Aug	100,6	89,9	91,1	91,7	1,2	1,1	6,9	2,1
Sep	98,5	94,4	94,5		-2,1	5,0	3,7	
Oct	100,9	96,0	88,3		2,4	1,7	-6,6	
Nov	99,2	94,0	93,4		-1,7	-2,1	5,8	
Dec	94,6	95,7	94,4		-4,6	1,8	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	Mar-22	Apr-22	May-22	¹ Jun-22	¹ Jul-22	¹ Aug-22
Food and beverages	20,75	101,3	91,3	96,6	95,9	93,1	100,6
Meat, fish, fruit, etc.	3,27	110,4	98,2	103,8	98,2	100,0	105,4
Dairy products	1,39	87,5	84,6	77,8	79,2	89,3	91,9
Grain mill products	1,68	105,3	92,0	101,3	100,7	97,7	103,3
Other food products	7,75	81,7	93,2	91,0	91,4	90,7	98,3
Beverages	6,66	121,6	86,9	102,4	102,4	92,1	102,2
Textiles, clothing, leather and footwear	4,26	106,9	83,3	92,4	86,7	94,3	93,2
Textiles	1,08	122,4	104,3	118,2	111,8	113,3	109,4
Other textile products	0,61	106,3	85,1	83,9	86,4	89,9	88,4
Knitted, crocheted articles	0,06	83,0	70,4	97,4	85,5	87,6	100,2
Wearing apparel	1,98	104,6	74,0	81,4	70,1	83,5	81,8
Leather and leather products	0,27	88,1	69,8	91,6	96,7	94,7	99,1
Footwear	0,25	85,9	80,1	87,7	99,4	109,5	118,0
Wood and wood products, paper, publishing and printing	10,63	90,6	77,7	82,5	91,2	88,1	100,8
Sawmilling and planing of wood	0,87	82,1	82,2	90,3	92,0	92,1	111,3
Products of wood	0,88	97,6	89,4	98,0	95,9	106,3	107,2
Paper and paper products	5,34	98,4	79,6	83,1	98,7	89,0	95,2
Publishing	2,18	72,9	65,2	69,8	69,7	74,6	106,3
Printing, recorded media	1,35	89,0	80,1	85,7	92,9	92,0	103,3
Petroleum, chemical products, rubber and plastic products	24,95	90,0	74,8	79,4	76,9	73,7	74,5
Coke, petroleum products and nuclear fuel	11,85	75,0	57,5	51,5	46,4	44,9	50,4
Basic chemicals	3,50	108,9	102,7	116,9	113,8	108,7	100,6
Other chemical products	6,64	101,9	83,9	102,7	102,5	94,1	90,7
Rubber products	0,76	96,5	91,7	93,0	97,4	95,9	91,2
Plastic products	2,20	102,4	90,7	95,3	97,9	104,3	107,6
Glass and non-metallic mineral products	3,24	105,5	92,2	109,4	103,8	102,9	109,6
Glass and glass products	0,49	98,4	99,8	107,3	99,1	99,5	113,4
Non-metallic mineral products	2,75	106,8	90,8	109,8	104,6	103,5	108,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	103,9	90,1	96,9	97,7	96,9	103,9
Basic iron and steel products	2,92	89,3	91,3	85,5	75,0	89,0	82,6
Non-ferrous metal products	3,32	99,8	88,6	89,2	82,8	82,5	97,2
Structural metal products	1,99	108,2	71,7	86,3	102,5	93,3	109,0
Other fabricated metal products	3,53	111,3	87,0	96,8	99,1	101,7	112,0
General purpose machinery	3,42	104,5	88,9	116,5	116,0	113,0	115,5
Special purpose machinery	3,85	109,2	102,3	99,0	106,9	97,9	105,4
Household appliances	0,70	103,0	98,5	105,5	101,2	100,6	104,6
Electrical machinery	2,21	112,0	98,5	97,6	94,8	95,1	94,8
Radio, television and communication apparatus and professional equipment	1,07	111,6	90,0	100,8	106,3	100,6	108,0
Radio, television and communication apparatus	0,04	79,1	60,9	70,4	83,9	65,7	93,8
Professional equipment	1,03	113,0	91,2	102,1	107,2	102,1	108,6
Motor vehicles, parts and accessories and other transport equipment	8,89	113,1	88,1	93,3	92,3	102,8	116,1
Motor vehicles	2,78	122,3	78,6	87,5	76,6	85,1	119,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	116,4	108,8	119,0	139,9	129,3	122,1
Parts and accessories	3,97	106,1	92,7	94,3	95,2	117,7	123,5
Other transport equipment	1,40	113,0	82,9	88,2	90,5	81,9	85,8
Furniture and other manufacturing	4,27	88,0	78,4	97,0	89,1	99,8	90,3
Furniture	0,78	88,3	76,5	89,6	90,4	83,7	87,6
Other manufacturing groups	3,49	87,8	78,9	98,7	88,8	103,4	90,9
Total	100	99,1	84,5	90,9	90,4	90,1	95,6

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	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Food and beverages	-3,1	-5,6	-3,0	-3,9	9,0	-4,9
Meat, fish, fruit, etc.	7,2	1,2	3,7	-3,8	7,0	9,8
Dairy products	-17,1	-4,2	-10,5	-6,8	0,0	2,1
Grain mill products	8,1	-0,9	1,8	4,7	-5,0	1,4
Other food products	-10,5	-10,0	-14,8	-17,6	-13,1	-11,8
Beverages	-0,4	-5,0	9,4	14,0	69,9	-5,6
Textiles, clothing, leather and footwear	9,8	-10,1	7,4	-4,1	10,3	1,3
Textiles	-3,0	-10,9	-0,5	-5,5	3,5	-0,5
Other textile products	17,3	-7,4	-3,7	0,5	12,9	-0,5
Knitted, crocheted articles	0,6	-6,4	21,3	10,9	21,2	7,6
Wearing apparel	25,1	-7,0	19,2	-7,5	17,4	-1,8
Leather and leather products	-14,8	-27,6	16,4	11,3	5,3	40,0
Footwear	-11,1	-15,0	-3,0	-3,5	-0,3	3,1
Wood and wood products, paper, publishing and printing	-3,6	-9,9	-7,2	-3,9	2,2	0,8
Sawmilling and planing of wood	-17,5	-2,0	-5,2	-5,5	-1,7	21,4
Products of wood	-5,7	-9,2	2,5	-4,7	4,4	-1,5
Paper and paper products	1,9	-11,8	-13,2	-4,5	0,6	-7,6
Publishing	-12,3	-11,1	3,3	-7,3	3,0	14,1
Printing, recorded media	-2,4	-5,3	-2,8	6,3	8,6	4,4
Petroleum, chemical products, rubber and plastic products	6,3	-4,6	10,4	2,1	-0,5	-1,1
Coke, petroleum products and nuclear fuel	19,0	-4,0	21,7	-5,9	-18,8	-18,8
Basic chemicals	4,0	-0,6	15,7	7,8	4,7	15,8
Other chemical products	-3,5	-10,4	0,8	3,4	8,4	9,9
Rubber products	-13,5	9,8	-3,9	-2,8	14,4	-4,0
Plastic products	5,2	0,1	11,2	13,3	21,1	8,0
Glass and non-metallic mineral products	-2,4	-6,1	4,9	-1,1	-0,6	1,0
Glass and glass products	-1,9	12,3	3,9	18,0	6,1	17,4
Non-metallic mineral products	-2,5	-9,1	5,1	-3,9	-1,6	-1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,1	-5,8	-5,3	-3,3	-0,2	4,9
Basic iron and steel products	-6,0	-0,1	-12,4	-18,1	-7,3	-9,1
Non-ferrous metal products	1,1	-4,6	-6,6	-11,2	-2,6	6,7
Structural metal products	7,2	-16,8	-13,4	1,0	-4,8	11,1
Other fabricated metal products	0,8	-12,7	-7,4	-2,2	-1,1	9,4
General purpose machinery	6,5	-11,6	9,5	6,0	11,9	5,4
Special purpose machinery	-11,4	4,3	-7,6	-0,7	-4,7	4,5
Household appliances	7,7	4,6	0,9	5,0	25,0	10,6
Electrical machinery	14,5	6,4	2,5	-3,7	1,8	-7,3
Radio, television and communication apparatus and professional equipment	4,8	-0,3	1,1	11,1	20,3	21,2
Radio, television and communication apparatus	-16,3	-16,8	-17,6	7,0	0,0	6,5
Professional equipment	5,6	0,2	1,8	11,2	21,1	21,9
Motor vehicles, parts and accessories and other transport equipment	-8,6	-23,0	-16,4	-16,5	12,3	21,2
Motor vehicles	12,3	-26,5	-15,3	-25,5	57,0	63,8
Bodies for motor vehicles, trailers and semi-trailers	9,1	-2,1	8,8	16,1	16,8	12,1
Parts and accessories	-26,1	-30,0	-27,0	-22,0	2,5	11,2
Other transport equipment	6,7	4,1	10,9	3,1	-8,4	-6,1
Furniture and other manufacturing	12,2	8,9	16,0	-2,0	4,1	-8,0
Furniture	10,1	6,5	1,9	10,1	-2,3	-14,0
Other manufacturing groups	12,6	9,6	19,3	-4,3	5,4	-6,7
Total	0,2	-7,1	-1,1	-3,5	3,9	1,4

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

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	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Month-on-month % change
Food and beverages	20,75	97,9	99,2	97,8	98,4	96,9	-1,5
Meat, fish, fruit, etc.	3,27	103,0	103,3	98,6	104,1	104,3	0,2
Dairy products	1,39	88,2	85,9	88,3	94,7	90,5	-4,4
Grain mill products	1,68	100,0	101,1	99,3	98,3	99,8	1,5
Other food products	7,75	94,0	87,7	82,7	87,0	86,6	-0,5
Beverages	6,66	101,5	112,9	116,5	109,7	105,8	-3,6
Textiles, clothing, leather and footwear	4,26	87,7	91,2	89,5	88,9	89,2	0,3
Textiles	1,08	107,9	112,1	110,4	106,8	109,1	2,2
Other textile products	0,61	87,7	82,1	89,1	89,3	89,2	-0,1
Knitted, crocheted articles	0,06	74,8	89,5	83,8	88,7	87,6	-1,2
Wearing apparel	1,98	79,9	81,8	76,4	76,2	75,1	-1,4
Leather and leather products	0,27	66,2	91,2	96,8	100,9	101,6	0,7
Footwear	0,25	89,3	97,6	97,2	99,1	101,9	2,8
Wood and wood products, paper, publishing and printing	10,63	89,9	87,9	90,8	90,3	95,6	5,9
Sawmilling and planing of wood	0,87	87,8	87,1	91,1	86,0	103,2	20,0
Products of wood	0,88	97,0	101,6	95,4	101,4	100,1	-1,3
Paper and paper products	5,34	91,8	86,9	94,1	91,2	92,9	1,9
Publishing	2,18	79,9	81,4	76,1	82,8	95,6	15,5
Printing, recorded media	1,35	95,4	93,7	98,1	94,9	98,6	3,9
Petroleum, chemical products, rubber and plastic products	24,95	81,7	81,6	77,3	72,7	72,6	-0,1
Coke, petroleum products and nuclear fuel	11,85	62,2	57,7	49,7	43,8	48,4	10,5
Basic chemicals	3,50	107,7	115,1	110,4	108,5	103,6	-4,5
Other chemical products	6,64	94,8	99,7	99,7	93,7	87,7	-6,4
Rubber products	0,76	104,8	88,2	90,1	88,0	87,8	-0,2
Plastic products	2,20	98,0	100,3	101,0	103,0	103,2	0,2
Glass and non-metallic mineral products	3,24	99,4	104,3	101,5	99,2	102,1	2,9
Glass and glass products	0,49	109,1	107,6	106,1	100,1	106,1	6,0
Non-metallic mineral products	2,75	97,6	103,6	100,7	99,1	101,4	2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	93,6	95,0	94,9	96,4	101,5	5,3
Basic iron and steel products	2,92	87,6	81,2	78,5	94,4	88,6	-6,1
Non-ferrous metal products	3,32	88,9	87,8	81,0	85,7	94,1	9,8
Structural metal products	1,99	81,1	86,3	93,3	88,4	101,5	14,8
Other fabricated metal products	3,53	90,7	96,2	99,2	98,4	109,2	11,0
General purpose machinery	3,42	95,8	111,4	107,3	109,5	108,1	-1,3
Special purpose machinery	3,85	107,9	99,5	103,9	96,3	104,4	8,4
Household appliances	0,70	101,5	99,6	102,4	104,8	104,0	-0,8
Electrical machinery	2,21	104,2	95,5	91,8	93,5	89,4	-4,4
Radio, television and communication apparatus and professional equipment	1,07	97,3	104,1	102,9	101,0	107,9	6,8
Radio, television and communication apparatus	0,04	74,8	78,9	89,1	75,3	91,2	21,1
Professional equipment	1,03	98,3	105,1	103,5	102,1	108,6	6,4
Motor vehicles, parts and accessories and other transport equipment	8,89	93,5	91,5	89,6	95,1	105,4	10,8
Motor vehicles	2,78	88,0	86,9	76,7	78,8	102,6	30,2
Bodies for motor vehicles, trailers and semi-trailers	0,73	108,5	114,7	123,6	119,6	116,7	-2,4
Parts and accessories	3,97	94,3	89,5	92,8	105,7	111,9	5,9
Other transport equipment	1,40	94,1	94,0	88,6	84,7	86,7	2,4
Furniture and other manufacturing	4,27	94,4	98,2	88,6	94,3	86,2	-8,6
Furniture	0,78	89,8	87,0	91,6	84,1	80,9	-3,8
Other manufacturing groups	3,49	95,5	100,7	88,0	96,5	87,4	-9,4
Total	100	91,4	91,8	89,9	89,8	91,7	2,1

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	250 160
Jun	191 125	197 264	207 188	215 533	178 506	229 004	252 018
Jul	185 058	188 822	210 326	219 394	192 336	198 298	245 751
Aug	191 370	200 787	217 655	228 219	198 640	219 992	255 729
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.

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	12,4	9,7
Jun	3,2	5,0	4,0	-17,2	28,3	10,0	9,8
Jul	2,0	11,4	4,3	-12,3	3,1	23,9	11,7
Aug	4,9	8,4	4,9	-13,0	10,7	16,2	12,3
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	214 024	211 420	211 842	241 503	-0,6	2,8	-0,7	3,4
Feb	210 888	214 379	218 384	243 179	-1,5	1,4	3,1	0,7
Mar	213 040	198 121	230 315	249 525	1,0	-7,6	5,5	2,6
Apr	221 250	104 780	229 799	240 224	3,9	-47,1	-0,2	-3,7
May	211 333	145 960	224 098	248 305	-4,5	39,3	-2,5	3,4
Jun	214 443	174 729	223 782	246 854	1,5	19,7	-0,1	-0,6
Jul	216 271	188 349	197 506	246 598	0,9	7,8	-11,7	-0,1
Aug	220 308	195 947	215 828	247 950	1,9	4,0	9,3	0,5
Sep	214 074	206 112	224 374		-2,8	5,2	4,0	
Oct	216 173	211 800	211 659		1,0	2,8	-5,7	
Nov	210 925	213 904	229 080		-2,4	1,0	8,2	
Dec	205 628	213 263	233 468		-2,5	-0,3	1,9	

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

Manufacturing division and major group	Mar-22	Apr-22	May-22	¹ Jun-22	¹ Jul-22	¹ Aug-22
Food and beverages	59 213	54 829	56 897	57 700	55 850	60 529
Meat, fish, fruit, etc.	18 151	16 636	17 810	17 738	17 103	18 201
Dairy products	4 720	4 193	4 268	4 427	4 721	5 192
Grain mill products	10 042	9 475	10 138	10 415	10 415	10 478
Other food products	9 671	10 882	10 116	10 556	10 513	12 125
Beverages	16 629	13 644	14 565	14 562	13 098	14 532
Textiles, clothing, leather and footwear	5 970	4 866	5 436	5 031	5 534	5 766
Textiles	836	720	783	751	743	777
Other textile products	1 748	1 403	1 458	1 451	1 536	1 570
Knitted, crocheted articles	216	164	234	213	213	247
Wearing apparel	2 063	1 581	1 781	1 377	1 568	1 715
Leather and leather products	470	390	513	488	600	521
Footwear	636	607	666	750	874	935
Wood and wood products, paper, publishing and printing	14 768	12 178	12 750	15 360	14 879	16 496
Sawmilling and planing of wood	985	939	1 000	1 050	1 264	1 303
Products of wood	1 966	1 837	1 911	2 017	2 182	2 293
Paper and paper products	8 209	5 942	6 249	8 270	7 390	8 017
Publishing	1 178	1 023	1 110	1 149	1 195	1 696
Printing, recorded media	2 430	2 437	2 479	2 875	2 848	3 186
Petroleum, chemical products, rubber and plastic products	52 626	45 735	54 995	55 625	48 320	52 155
Coke, petroleum products and nuclear fuel	16 265	14 059	17 328	18 238	13 152	14 566
Basic chemicals	11 623	9 939	12 455	11 678	11 519	11 999
Other chemical products	14 744	12 639	15 560	15 435	13 397	14 522
Rubber products	1 720	1 795	1 585	1 880	1 676	1 814
Plastic products	8 275	7 302	8 066	8 394	8 576	9 254
Glass and non-metallic mineral products	7 802	6 621	8 317	8 108	8 100	8 654
Glass and glass products	1 207	1 167	1 355	1 315	1 257	1 563
Non-metallic mineral products	6 596	5 453	6 961	6 792	6 843	7 091
Basic iron and steel, non-ferrous metal products, metal products and machinery	65 015	52 806	60 977	62 299	56 440	57 257
Basic iron and steel products	16 579	13 116	15 295	16 894	13 653	13 503
Non-ferrous metal products	21 759	18 105	19 844	18 786	17 379	16 276
Structural metal products	4 606	3 264	3 866	4 621	3 982	4 626
Other fabricated metal products	8 978	7 290	8 351	8 744	8 315	9 036
General purpose machinery	4 802	4 109	5 378	5 386	5 412	5 635
Special purpose machinery	7 028	5 844	7 062	6 672	6 553	6 999
Household appliances	1 262	1 078	1 181	1 196	1 146	1 181
Electrical machinery	6 417	5 526	5 742	5 745	5 886	5 807
Radio, television and communication apparatus and professional equipment	2 547	1 998	2 291	2 476	2 463	2 645
Radio, television and communication apparatus	1 042	741	819	943	976	1 089
Professional equipment	1 504	1 257	1 472	1 532	1 487	1 556
Motor vehicles, parts and accessories and other transport equipment	36 148	30 922	32 330	31 134	38 512	37 401
Motor vehicles	21 226	19 119	19 744	18 006	24 971	22 997
Bodies for motor vehicles, trailers and semi-trailers	1 427	1 299	1 532	1 815	1 722	1 627
Parts and accessories	10 165	8 018	8 361	8 492	9 206	10 058
Other transport equipment	3 330	2 486	2 693	2 821	2 612	2 719
Furniture and other manufacturing	9 773	8 801	10 426	8 540	9 767	9 020
Furniture	1 477	1 282	1 487	1 455	1 400	1 442
Other manufacturing groups	8 296	7 519	8 939	7 085	8 367	7 578
Total	260 280	224 281	250 160	252 018	245 751	255 729

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	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Food and beverages	6,7	6,8	8,9	11,3	20,0	8,2
Meat, fish, fruit, etc.	21,3	15,3	21,7	14,7	23,6	23,5
Dairy products	-3,7	2,3	4,8	8,0	5,4	18,0
Grain mill products	15,2	18,6	18,0	23,5	16,7	17,6
Other food products	-5,0	-6,0	-16,5	-13,5	-13,2	-7,3
Beverages	-0,6	3,1	13,7	25,3	82,5	-2,1
Textiles, clothing, leather and footwear	14,4	-4,0	13,1	3,5	17,3	11,9
Textiles	8,4	-3,6	4,1	1,8	8,9	6,9
Other textile products	19,0	-4,7	3,7	4,5	20,4	13,3
Knitted, crocheted articles	11,3	-4,1	18,8	26,0	21,0	13,3
Wearing apparel	31,2	6,0	32,7	-0,8	19,3	5,5
Leather and leather products	-12,0	-26,1	17,4	8,9	20,2	32,6
Footwear	-6,3	-8,3	-1,0	2,7	13,2	16,1
Wood and wood products, paper, publishing and printing	4,3	-4,7	-6,4	5,7	17,8	13,0
Sawmilling and planing of wood	0,3	-1,6	-3,3	0,1	41,7	32,7
Products of wood	8,2	5,7	12,1	11,4	11,8	9,6
Paper and paper products	6,5	-11,2	-16,5	1,4	16,1	8,0
Publishing	-5,7	-6,2	9,9	-0,6	12,4	21,9
Printing, recorded media	1,2	5,5	3,9	21,7	20,8	17,2
Petroleum, chemical products, rubber and plastic products	21,8	8,7	26,8	22,5	22,2	24,3
Coke, petroleum products and nuclear fuel	29,6	9,3	25,4	27,4	17,4	8,6
Basic chemicals	25,8	5,1	40,5	17,2	26,3	43,7
Other chemical products	12,4	5,9	23,7	19,6	18,6	29,3
Rubber products	4,9	24,6	1,7	12,3	17,0	18,5
Plastic products	24,2	14,9	23,1	28,3	32,2	24,6
Glass and non-metallic mineral products	3,7	-2,5	12,0	7,4	10,9	12,9
Glass and glass products	3,6	14,0	25,5	16,7	18,9	33,7
Non-metallic mineral products	3,7	-5,5	9,6	5,7	9,5	9,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	7,8	6,3	16,3	12,7	15,8	5,3
Basic iron and steel products	28,6	5,6	25,5	25,6	15,5	2,4
Non-ferrous metal products	-8,2	7,5	11,8	0,3	16,8	-12,3
Structural metal products	12,3	7,1	4,1	15,1	9,1	24,2
Other fabricated metal products	17,9	3,3	13,7	17,2	12,9	18,0
General purpose machinery	11,8	1,0	22,8	19,1	30,3	26,3
Special purpose machinery	5,9	11,4	17,8	10,6	9,1	20,6
Household appliances	16,3	6,4	12,2	12,5	31,0	18,9
Electrical machinery	19,3	18,4	14,8	13,2	15,1	7,6
Radio, television and communication apparatus and professional equipment	0,8	-0,1	1,8	15,3	33,6	20,9
Radio, television and communication apparatus	-6,2	-6,2	-7,1	7,3	35,9	9,4
Professional equipment	6,1	4,0	7,5	20,8	32,1	30,4
Motor vehicles, parts and accessories and other transport equipment	-1,5	-11,7	-3,8	-8,9	64,0	55,6
Motor vehicles	1,3	-9,1	0,1	-14,4	118,0	89,3
Bodies for motor vehicles, trailers and semi-trailers	15,5	10,3	28,0	34,9	42,2	28,0
Parts and accessories	-13,4	-25,2	-21,0	-10,0	9,6	23,8
Other transport equipment	19,5	17,9	27,5	20,0	8,3	9,5
Furniture and other manufacturing	16,3	22,1	32,9	4,6	16,4	4,3
Furniture	22,7	20,5	16,0	20,0	6,6	-4,3
Other manufacturing groups	15,3	22,3	36,2	1,9	18,2	6,1
Total	8,9	3,5	12,4	10,0	23,9	16,2

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

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

Manufacturing division and major group	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Month-on-month % change
Food and beverages	58 349	59 029	59 412	59 587	59 465	-0,2
Meat, fish, fruit, etc.	17 388	17 793	17 754	17 669	17 826	0,9
Dairy products	4 450	4 570	4 765	4 916	5 016	2,0
Grain mill products	10 077	10 006	10 297	10 401	10 245	-1,5
Other food products	10 687	10 231	10 495	10 600	11 091	4,6
Beverages	15 748	16 429	16 102	16 000	15 287	-4,5
Textiles, clothing, leather and footwear	5 199	5 546	5 185	5 318	5 381	1,2
Textiles	757	750	744	731	745	1,9
Other textile products	1 399	1 453	1 478	1 494	1 581	5,8
Knitted, crocheted articles	177	213	208	210	213	1,4
Wearing apparel	1 728	1 906	1 503	1 488	1 499	0,7
Leather and leather products	427	490	485	585	540	-7,7
Footwear	710	735	767	809	803	-0,7
Wood and wood products, paper, publishing and printing	14 174	13 394	15 102	15 200	15 712	3,4
Sawmilling and planing of wood	1 010	1 007	1 015	1 154	1 160	0,5
Products of wood	1 988	2 000	1 928	2 107	2 091	-0,8
Paper and paper products	7 085	6 371	7 767	7 732	7 922	2,5
Publishing	1 245	1 305	1 288	1 353	1 503	11,1
Printing, recorded media	2 846	2 711	3 103	2 854	3 035	6,3
Petroleum, chemical products, rubber and plastic products	49 260	53 719	52 407	49 652	50 989	2,7
Coke, petroleum products and nuclear fuel	14 633	16 080	15 963	13 195	14 297	8,4
Basic chemicals	10 899	12 442	11 394	12 121	11 829	-2,4
Other chemical products	13 892	15 286	14 792	13 996	14 269	2,0
Rubber products	2 029	1 581	1 737	1 635	1 767	8,1
Plastic products	7 807	8 330	8 521	8 706	8 827	1,4
Glass and non-metallic mineral products	7 294	7 917	7 808	7 861	8 025	2,1
Glass and glass products	1 340	1 399	1 379	1 323	1 479	11,8
Non-metallic mineral products	5 953	6 518	6 429	6 538	6 546	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	55 993	58 568	58 944	57 132	56 641	-0,9
Basic iron and steel products	13 892	14 605	15 388	14 258	13 785	-3,3
Non-ferrous metal products	18 461	18 915	18 283	17 739	16 843	-5,1
Structural metal products	3 867	3 819	4 053	3 829	4 279	11,8
Other fabricated metal products	7 732	8 214	8 529	8 177	8 452	3,4
General purpose machinery	4 370	5 048	5 026	5 295	5 236	-1,1
Special purpose machinery	6 534	6 820	6 511	6 641	6 837	3,0
Household appliances	1 137	1 147	1 153	1 194	1 209	1,3
Electrical machinery	6 024	5 774	5 716	5 831	5 618	-3,7
Radio, television and communication apparatus and professional equipment	2 310	2 397	2 521	2 574	2 641	2,6
Radio, television and communication apparatus	958	922	1 044	1 088	1 079	-0,8
Professional equipment	1 353	1 476	1 478	1 486	1 562	5,1
Motor vehicles, parts and accessories and other transport equipment	32 181	31 918	31 107	33 879	34 482	1,8
Motor vehicles	19 645	19 485	18 290	20 646	20 580	-0,3
Bodies for motor vehicles, trailers and semi-trailers	1 368	1 481	1 591	1 580	1 526	-3,4
Parts and accessories	8 364	8 054	8 473	8 949	9 638	7,7
Other transport equipment	2 804	2 899	2 753	2 704	2 738	1,3
Furniture and other manufacturing	9 441	10 043	8 651	9 565	8 995	-6,0
Furniture	1 493	1 472	1 470	1 382	1 409	2,0
Other manufacturing groups	7 948	8 571	7 181	8 182	7 586	-7,3
Total	240 224	248 305	246 854	246 598	247 950	0,5

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 65,1% for August 2022. The improved collection rate for July 2022 was 68,5%.</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	2 097 811	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 E – 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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Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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