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STATISTICAL RELEASE

P3041.2

Manufacturing: Production and sales (Preliminary)

February 2022

**Embargoed until:
11 April 2022
13:00**

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FORTHCOMING ISSUE:
March 2022

EXPECTED RELEASE DATE:
12 May 2022

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Production: results for February 2022

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

	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Year-on-year % change, unadjusted	0,6	-8,8	-0,1	-0,3	2,0	0,2
Month-on-month % change, seasonally adjusted	3,7	-6,5	6,0	1,2	2,0	-1,1
3-month % change, seasonally adjusted ¹	-4,4	1,0	2,8	2,3	4,2	3,8

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

Manufacturing production increased by 0,2% in February 2022 compared with February 2021. The largest positive contributions were made by the following divisions:

- food and beverages (4,2% and contributing 0,9 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (3,9% and contributing 0,8 of a percentage point).

The largest negative contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (-7,1% and contributing -0,8 of a percentage point); and
- petroleum, chemical products, rubber and plastic products (-2,6% and contributing -0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,1% in February 2022 compared with January 2022. This followed month-on-month changes of 2,0% in January 2022 and 1,2% in December 2021 – see Table A.

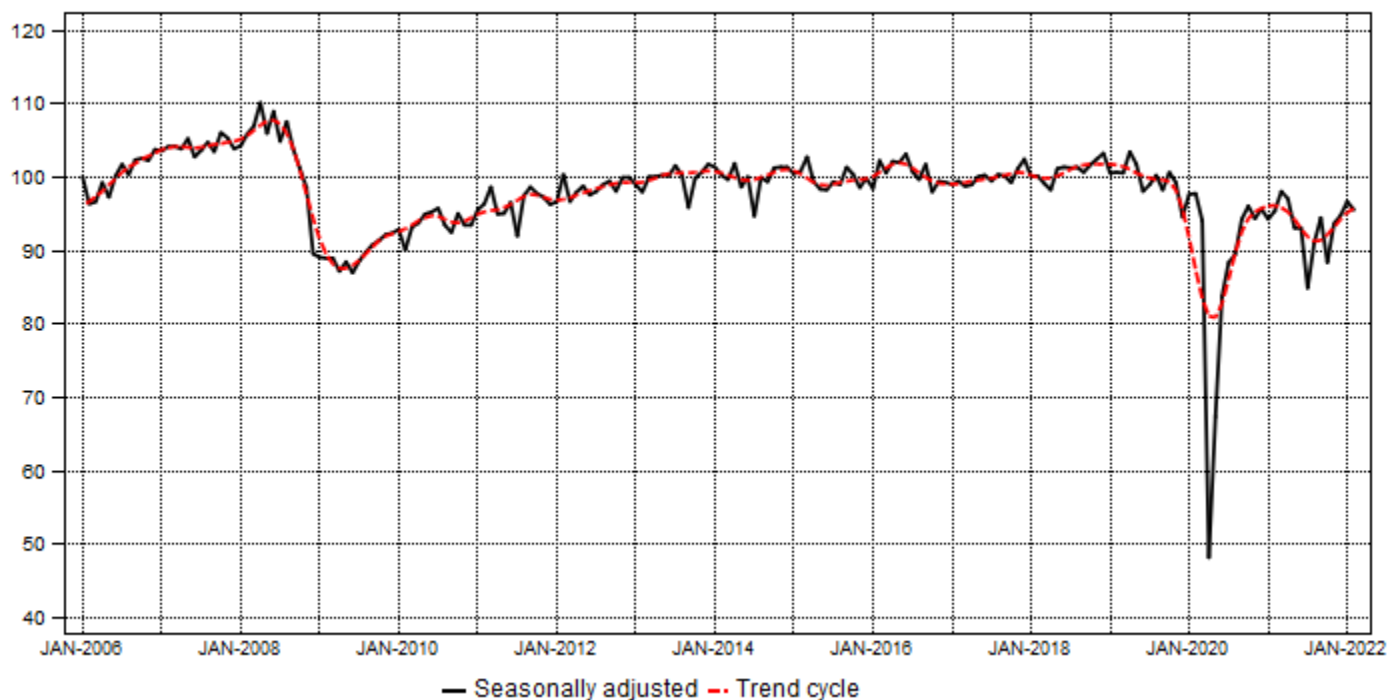
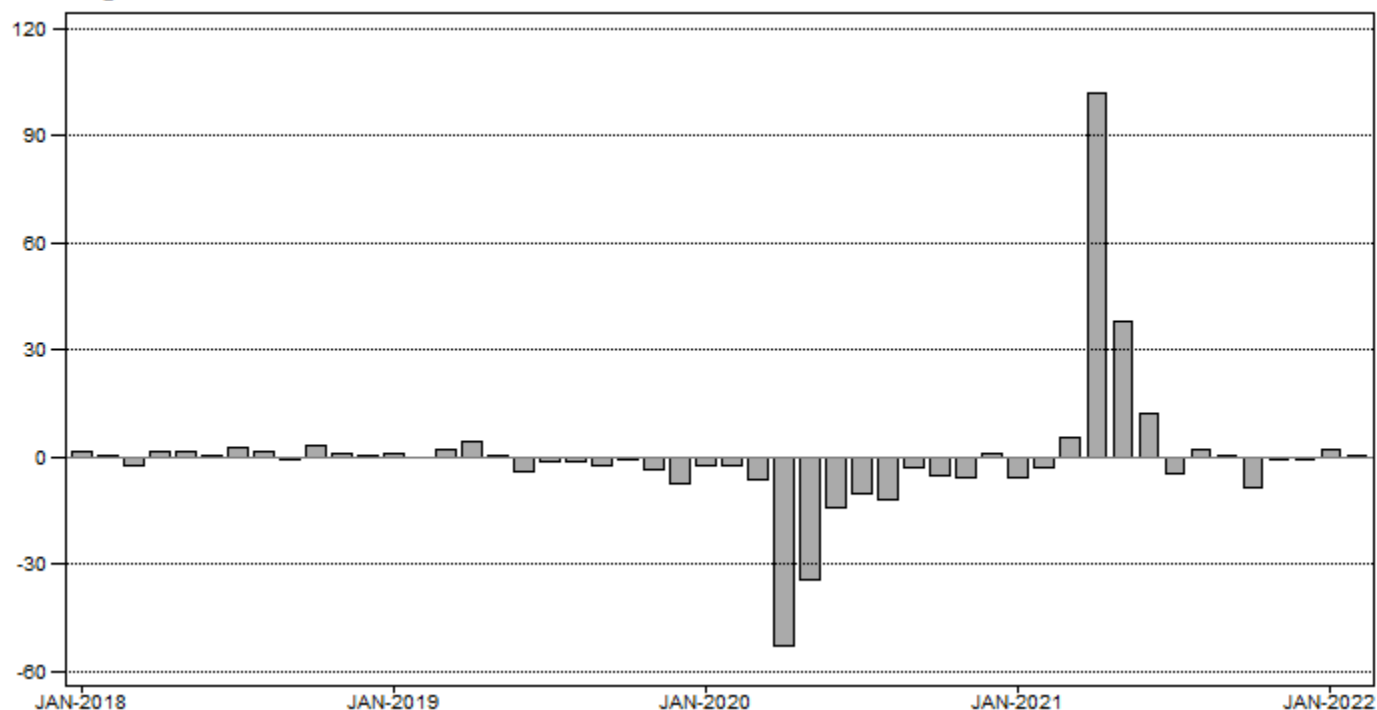
Seasonally adjusted manufacturing production increased by 3,8% in the three months ended February 2022 compared with the previous three months. Nine of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (4,9% and contributing 1,0 percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (5,2% and contributing 1,0 percentage point);
- food and beverages (3,0% and contributing 0,7 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (7,0% 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: 2015=100)

Manufacturing division and major group	Weights	Sep – Nov 2021	Dec 2021 – Feb 2022	% change between Sep – Nov 2021 and Dec 2021 – Feb 2022	Contribution (% points) to the total % change
Food and beverages	20,18	112,2	115,6	3,0	0,7
Meat, fish, fruit, etc.	2,95	105,8	108,2	2,3	0,1
Dairy products	1,34	108,7	104,5	-3,9	-0,1
Grain mill products	1,69	100,6	105,3	4,7	0,1
Other food products	7,76	109,0	114,7	5,2	0,5
Beverages	6,44	122,7	125,1	2,0	0,2
Textiles, clothing, leather and footwear	4,38	85,0	86,0	1,2	0,0
Textiles	1,10	115,2	111,2	-3,5	0,0
Other textile products	0,65	83,3	80,8	-3,0	0,0
Knitted, crocheted articles	0,06	67,2	66,3	-1,3	0,0
Wearing apparel	2,04	72,1	77,3	7,2	0,1
Leather and leather products	0,28	57,9	56,4	-2,6	0,0
Footwear	0,25	96,9	97,1	0,2	0,0
Wood and wood products, paper, publishing and printing	10,77	89,7	87,0	-3,0	-0,3
Sawmilling and planing of wood	0,93	83,9	89,6	6,8	0,1
Products of wood	0,87	101,4	108,4	6,9	0,1
Paper and paper products	5,39	95,7	93,5	-2,3	-0,1
Publishing	2,24	73,8	65,2	-11,7	-0,2
Printing, recorded media	1,34	88,6	81,2	-8,4	-0,1
Petroleum, chemical products, rubber and plastic products	25,38	77,4	81,2	4,9	1,0
Coke, petroleum products and nuclear fuel	12,02	61,5	70,4	14,5	1,2
Basic chemicals	3,69	90,0	90,4	0,4	0,0
Other chemical products	6,54	90,7	86,5	-4,6	-0,3
Rubber products	0,84	86,6	93,1	7,5	0,1
Plastic products	2,29	98,3	103,9	5,7	0,1
Glass and non-metallic mineral products	3,42	90,9	93,4	2,8	0,1
Glass and glass products	0,51	104,1	112,6	8,2	0,0
Non-metallic mineral products	2,91	88,6	90,1	1,7	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	93,6	98,5	5,2	1,0
Basic iron and steel products	2,82	103,1	102,6	-0,5	0,0
Non-ferrous metal products	3,26	85,2	94,7	11,2	0,3
Structural metal products	1,98	81,4	80,1	-1,6	0,0
Other fabricated metal products	3,35	97,3	107,6	10,6	0,4
General purpose machinery	3,46	93,2	102,3	9,8	0,3
Special purpose machinery	3,87	97,8	97,6	-0,2	0,0
Household appliances	0,73	90,7	93,7	3,3	0,0
Electrical machinery	2,31	80,7	96,8	20,0	0,4
Radio, television and communication apparatus and professional equipment	1,21	79,9	83,9	5,0	0,1
Radio, television and communication apparatus	0,13	93,1	93,7	0,6	0,0
Professional equipment	1,08	78,3	82,7	5,6	0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	97,4	104,2	7,0	0,6
Motor vehicles	2,65	84,5	107,2	26,9	0,7
Bodies for motor vehicles, trailers and semi-trailers	0,71	117,3	116,8	-0,4	0,0
Parts and accessories	3,93	109,6	110,3	0,6	0,0
Other transport equipment	1,37	77,0	74,5	-3,2	0,0
Furniture and other manufacturing	4,21	93,6	94,4	0,9	0,0
Furniture	0,86	80,8	89,1	10,3	0,1
Other manufacturing groups	3,35	96,9	95,7	-1,2	0,0
Total	100	92,2	95,7	3,8	3,8

Figure 1 – Volume of manufacturing production (Base: 2015=100)**Index****Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change****% change**

Sales: results for February 2022

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

	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Year-on-year % change, unadjusted	8,6	-1,9	8,2	10,3	13,9	11,0
Month-on-month % change, seasonally adjusted	3,9	-5,9	8,3	2,1	4,0	-0,1
3-month % change, seasonally adjusted ¹	-6,4	0,1	3,6	5,4	8,3	8,3

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

Seasonally adjusted manufacturing sales decreased by 0,1% in February 2022 compared with January 2022. This followed month-on-month changes of 4,0% in January 2022 and 2,1% in December 2021 – see Table C.

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

Manufacturing division	Sep – Nov 2021 (R million)	Dec 2021 – Feb 2022 (R million)	% change between Sep – Nov 2021 and Dec 2021 – Feb 2022	Contribution (% points) to the total % change
Food and beverages	163 805	167 477	2,2	0,6
Textiles, clothing, leather and footwear	15 190	15 753	3,7	0,1
Wood and wood products, paper, publishing and printing	43 001	44 074	2,5	0,2
Petroleum, chemical products, rubber and plastic products	117 453	127 423	8,5	1,6
Glass and non-metallic mineral products	18 554	19 800	6,7	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	156 768	171 362	9,3	2,3
Electrical machinery	15 726	17 635	12,1	0,3
Radio, television and communication apparatus and professional equipment	6 579	6 706	1,9	0,0
Motor vehicles, parts and accessories and other transport equipment	71 259	89 821	26,0	2,9
Furniture and other manufacturing	25 182	26 279	4,4	0,2
Total	633 518	686 330	8,3	8,3

Seasonally adjusted manufacturing sales increased by 8,3% in the three months ended February 2022 compared with the previous three months. The largest contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (26,0% and contributing 2,9 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (9,3% and contributing 2,3 percentage points); and
- petroleum, chemical products, rubber and plastic products (8,5% and contributing 1,6 percentage points) – see Table D.

Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	84,7	85,6	87,0	87,8	85,6	80,5	82,1
Feb	98,1	94,2	94,4	94,4	92,0	89,4	89,6
Mar	101,4	101,4	98,8	100,9	94,3	99,2	
Apr	95,4	90,4	91,8	95,9	45,4	91,6	
May	101,1	100,0	101,7	102,3	67,0	92,5	
Jun	103,9	101,4	101,8	97,8	84,0	94,0	
Jul	102,1	100,5	103,1	101,8	91,4	87,0	
Aug	103,6	104,9	106,5	105,1	92,8	94,8	
Sep	107,7	105,3	104,8	102,3	99,2	99,8	
Oct	107,5	109,7	113,2	112,5	106,8	97,4	
Nov	112,0	113,8	115,1	110,8	104,7	104,6	
Dec	91,0	93,1	93,6	86,8	87,5	87,2	
Total	100,7	100,0	101,0	99,9	87,6	93,2	

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	0,9	-2,5	-6,0	2,0	2,0
Feb	-4,0	0,2	0,0	-2,5	-2,8	0,2	1,1
Mar	0,0	-2,6	2,1	-6,5	5,2		
Apr	-5,2	1,5	4,5	-52,7	101,8		
May	-1,1	1,7	0,6	-34,5	38,1		
Jun	-2,4	0,4	-3,9	-14,1	11,9		
Jul	-1,6	2,6	-1,3	-10,2	-4,8		
Aug	1,3	1,5	-1,3	-11,7	2,2		
Sep	-2,2	-0,5	-2,4	-3,0	0,6		
Oct	2,0	3,2	-0,6	-5,1	-8,8		
Nov	1,6	1,1	-3,7	-5,5	-0,1		
Dec	2,3	0,5	-7,3	0,8	-0,3		
Total	-0,7	1,0	-1,1	-12,3	6,4		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	100,6	97,7	94,3	96,7	-2,6	3,3	-1,5	2,0
Feb	100,7	97,8	95,4	95,6	0,1	0,1	1,2	-1,1
Mar	100,6	94,1	98,1		-0,1	-3,8	2,8	
Apr	103,5	48,2	97,1		2,9	-48,8	-1,0	
May	101,8	67,4	93,1		-1,6	39,8	-4,1	
Jun	98,1	83,8	93,1		-3,6	24,3	0,0	
Jul	99,0	88,4	84,9		0,9	5,5	-8,8	
Aug	100,3	89,5	91,1		1,3	1,2	7,3	
Sep	98,3	94,3	94,5		-2,0	5,4	3,7	
Oct	100,7	96,1	88,4		2,4	1,9	-6,5	
Nov	99,3	94,4	93,7		-1,4	-1,8	6,0	
Dec	94,6	95,7	94,8		-4,7	1,4	1,2	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Sep-21	Oct-21	Nov-21	¹ Dec-21	¹ Jan-22	¹ Feb-22
Food and beverages	20,18	122,1	121,2	125,6	122,1	99,0	103,5
Meat, fish, fruit, etc.	2,95	106,5	108,7	116,7	119,7	93,7	101,5
Dairy products	1,34	109,8	125,0	121,6	110,8	102,2	94,3
Grain mill products	1,69	101,3	102,0	113,5	103,6	98,7	96,2
Other food products	7,76	129,6	116,0	114,0	100,4	93,1	89,7
Beverages	6,44	128,1	137,5	147,6	156,6	107,8	124,9
Textiles, clothing, leather and footwear	4,38	88,8	100,2	104,5	70,0	60,0	84,8
Textiles	1,10	128,9	132,0	130,2	73,0	83,8	113,8
Other textile products	0,65	83,0	100,2	102,1	67,8	55,9	86,1
Knitted, crocheted articles	0,06	69,3	79,2	74,9	50,6	46,2	65,2
Wearing apparel	2,04	72,0	86,6	96,4	68,8	49,9	73,0
Leather and leather products	0,28	62,1	68,1	57,5	46,2	45,9	66,8
Footwear	0,25	98,4	112,4	124,3	103,6	67,7	75,6
Wood and wood products, paper, publishing and printing	10,77	103,5	95,8	104,3	84,1	78,2	77,2
Sawmilling and planing of wood	0,93	83,8	84,6	96,9	70,7	77,3	84,1
Products of wood	0,87	110,0	117,7	116,0	89,2	90,6	98,1
Paper and paper products	5,39	105,5	97,5	108,5	96,6	86,9	82,3
Publishing	2,24	109,4	83,3	76,8	63,2	59,7	57,8
Printing, recorded media	1,34	94,9	103,0	131,2	75,1	67,0	70,5
Petroleum, chemical products, rubber and plastic products	25,38	82,3	84,6	83,0	77,6	74,2	76,1
Coke, petroleum products and nuclear fuel	12,02	58,9	69,4	66,0	72,2	69,3	62,4
Basic chemicals	3,69	106,3	92,3	92,2	83,8	86,4	83,9
Other chemical products	6,54	101,9	96,8	95,6	84,2	68,9	86,8
Rubber products	0,84	88,1	101,1	92,4	46,4	100,2	88,8
Plastic products	2,29	108,2	111,3	117,9	88,8	86,3	99,7
Glass and non-metallic mineral products	3,42	97,7	101,6	103,5	78,3	73,1	85,4
Glass and glass products	0,51	108,3	116,3	123,9	110,4	100,8	109,0
Non-metallic mineral products	2,91	95,9	99,1	100,0	72,7	68,3	81,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	102,9	89,4	106,3	83,7	84,1	95,4
Basic iron and steel products	2,82	106,2	102,4	107,5	90,2	102,5	103,0
Non-ferrous metal products	3,26	92,5	74,3	93,4	92,3	86,2	91,0
Structural metal products	1,98	98,5	79,8	94,8	60,5	57,0	80,3
Other fabricated metal products	3,35	111,1	90,1	123,9	72,9	93,0	104,6
General purpose machinery	3,46	110,1	89,9	102,9	93,6	77,7	91,9
Special purpose machinery	3,87	99,4	96,1	111,0	84,4	79,8	96,5
Household appliances	0,73	94,7	90,8	101,9	81,8	89,6	96,1
Electrical machinery	2,31	84,1	85,9	97,7	74,2	73,8	89,1
Radio, television and communication apparatus and professional equipment	1,21	78,2	91,9	94,3	78,9	67,3	80,8
Radio, television and communication apparatus	0,13	96,5	116,9	117,4	120,8	60,4	88,8
Professional equipment	1,08	76,0	88,8	91,5	73,8	68,1	79,8
Motor vehicles, parts and accessories and other transport equipment	8,66	99,7	98,3	115,3	58,4	89,1	106,4
Motor vehicles	2,65	86,4	88,4	108,1	48,8	84,3	113,4
Bodies for motor vehicles, trailers and semi-trailers	0,71	137,7	120,9	136,4	76,0	90,1	106,7
Parts and accessories	3,93	108,1	108,0	124,8	56,8	101,6	113,6
Other transport equipment	1,37	81,5	78,0	90,7	72,4	61,7	72,1
Furniture and other manufacturing	4,21	102,9	100,8	112,9	96,0	74,8	87,0
Furniture	0,86	98,2	91,9	104,6	85,2	62,9	70,5
Other manufacturing groups	3,35	104,1	103,1	115,1	98,9	77,9	91,2
Total	100	99,8	97,4	104,6	87,2	82,1	89,6

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: 2015=100)

Manufacturing division and major group	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Food and beverages	2,3	-4,4	1,4	-0,2	12,2	4,2
Meat, fish, fruit, etc.	2,4	-5,7	7,7	5,6	0,6	3,5
Dairy products	-11,1	1,5	-3,6	-16,0	-7,5	-6,7
Grain mill products	-1,2	1,6	11,3	7,7	18,1	9,9
Other food products	1,4	-12,7	-14,9	-9,5	-8,2	-2,9
Beverages	7,1	3,9	18,8	8,1	62,1	12,5
Textiles, clothing, leather and footwear	2,7	4,5	11,4	2,9	1,7	7,1
Textiles	4,5	23,6	11,7	-2,9	-2,6	8,6
Other textile products	25,0	4,4	11,7	13,4	-9,8	7,8
Knitted, crocheted articles	-15,5	6,5	7,0	-12,2	-7,0	4,2
Wearing apparel	-1,5	-4,7	14,5	7,2	17,4	8,8
Leather and leather products	-5,6	-11,1	-15,2	-28,0	-23,6	9,9
Footwear	-10,6	-3,4	9,8	9,1	0,0	-14,4
Wood and wood products, paper, publishing and printing	12,6	4,6	6,2	4,7	6,5	-5,2
Sawmilling and planing of wood	-13,7	-16,2	5,3	19,6	-1,8	0,4
Products of wood	2,8	-4,8	2,8	8,0	4,1	1,9
Paper and paper products	4,6	9,4	13,4	11,8	9,0	-5,1
Publishing	41,9	9,9	-12,2	-12,5	14,1	-9,4
Printing, recorded media	41,0	2,5	8,7	-8,9	-5,5	-10,0
Petroleum, chemical products, rubber and plastic products	-11,8	-15,0	-12,7	-3,0	-6,2	-2,6
Coke, petroleum products and nuclear fuel	-29,6	-18,7	-11,6	5,4	4,1	3,1
Basic chemicals	-2,3	-23,0	-21,7	-16,5	-14,5	-6,9
Other chemical products	5,9	-6,6	-9,9	-8,4	-20,7	-7,7
Rubber products	-13,5	-1,7	-16,8	8,7	12,2	-15,8
Plastic products	1,1	-13,1	-8,3	2,0	3,7	4,0
Glass and non-metallic mineral products	3,0	-6,4	-0,2	5,8	-4,7	-0,4
Glass and glass products	-9,0	-11,3	-8,7	6,4	-6,8	4,4
Non-metallic mineral products	5,7	-5,3	1,9	5,7	-4,2	-1,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	4,4	-14,6	6,0	-1,4	2,6	3,9
Basic iron and steel products	26,4	4,9	28,1	8,7	10,1	22,2
Non-ferrous metal products	-7,2	-29,2	1,9	-0,9	-5,3	-1,4
Structural metal products	16,0	-13,9	-2,6	-6,1	-7,3	-1,7
Other fabricated metal products	0,6	-27,2	10,2	-6,9	4,5	9,6
General purpose machinery	0,2	-11,1	-4,8	7,0	14,6	1,0
Special purpose machinery	1,1	-5,9	10,4	-11,0	-0,9	-3,3
Household appliances	17,9	-15,1	-13,4	7,3	-8,3	6,2
Electrical machinery	-3,4	-1,0	13,9	22,0	9,8	15,9
Radio, television and communication apparatus and professional equipment	-13,3	3,8	0,2	-8,0	9,3	14,6
Radio, television and communication apparatus	-0,9	10,9	3,9	17,3	-1,5	13,4
Professional equipment	-14,9	2,8	-0,3	-11,8	10,6	14,7
Motor vehicles, parts and accessories and other transport equipment	4,9	-13,8	0,9	-8,0	-3,9	-7,1
Motor vehicles	-0,1	-20,2	-1,2	18,7	10,1	10,3
Bodies for motor vehicles, trailers and semi-trailers	3,9	-9,8	-10,3	-4,0	5,5	-9,7
Parts and accessories	6,2	-14,4	0,5	-23,5	-12,7	-17,9
Other transport equipment	12,7	4,7	20,1	6,5	4,0	8,3
Furniture and other manufacturing	7,6	-12,0	-0,3	3,7	-1,1	-7,0
Furniture	14,9	-4,7	4,8	28,5	12,9	4,9
Other manufacturing groups	6,0	-13,5	-1,3	-0,5	-3,5	-9,2
Total	0,6	-8,8	-0,1	-0,3	2,0	0,2

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	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Food and beverages	20,18	0,6	-1,1	0,3	0,0	2,7	0,9
Meat, fish, fruit, etc.	2,95	0,1	-0,2	0,2	0,2	0,0	0,1
Dairy products	1,34	-0,2	0,0	-0,1	-0,3	-0,1	-0,1
Grain mill products	1,69	0,0	0,0	0,2	0,1	0,3	0,2
Other food products	7,76	0,1	-1,2	-1,5	-0,9	-0,8	-0,2
Beverages	6,44	0,6	0,3	1,4	0,9	3,3	1,0
Textiles, clothing, leather and footwear	4,38	0,1	0,2	0,4	0,1	0,1	0,3
Textiles	1,10	0,1	0,3	0,1	0,0	0,0	0,1
Other textile products	0,65	0,1	0,0	0,1	0,1	0,0	0,0
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	2,04	0,0	-0,1	0,2	0,1	0,2	0,1
Leather and leather products	0,28	0,0	0,0	0,0	-0,1	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	10,77	1,3	0,4	0,6	0,5	0,6	-0,5
Sawmilling and planing of wood	0,93	-0,1	-0,1	0,0	0,1	0,0	0,0
Products of wood	0,87	0,0	0,0	0,0	0,1	0,0	0,0
Paper and paper products	5,39	0,2	0,4	0,7	0,6	0,5	-0,3
Publishing	2,24	0,7	0,2	-0,2	-0,2	0,2	-0,2
Printing, recorded media	1,34	0,4	0,0	0,1	-0,1	-0,1	-0,1
Petroleum, chemical products, rubber and plastic products	25,38	-2,8	-3,5	-2,9	-0,7	-1,5	-0,6
Coke, petroleum products and nuclear fuel	12,02	-3,0	-1,8	-1,0	0,5	0,4	0,3
Basic chemicals	3,69	-0,1	-1,0	-0,9	-0,7	-0,7	-0,3
Other chemical products	6,54	0,4	-0,4	-0,7	-0,6	-1,5	-0,5
Rubber products	0,84	-0,1	0,0	-0,2	0,0	0,1	-0,2
Plastic products	2,29	0,0	-0,4	-0,2	0,0	0,1	0,1
Glass and non-metallic mineral products	3,42	0,1	-0,2	0,0	0,2	-0,2	0,0
Glass and glass products	0,51	-0,1	-0,1	-0,1	0,0	0,0	0,0
Non-metallic mineral products	2,91	0,2	-0,1	0,1	0,1	-0,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	0,8	-2,8	1,1	-0,3	0,5	0,8
Basic iron and steel products	2,82	0,6	0,1	0,6	0,2	0,3	0,6
Non-ferrous metal products	3,26	-0,2	-0,9	0,1	0,0	-0,2	0,0
Structural metal products	1,98	0,3	-0,2	0,0	-0,1	-0,1	0,0
Other fabricated metal products	3,35	0,0	-1,1	0,4	-0,2	0,2	0,3
General purpose machinery	3,46	0,0	-0,4	-0,2	0,2	0,4	0,0
Special purpose machinery	3,87	0,0	-0,2	0,4	-0,5	0,0	-0,1
Household appliances	0,73	0,1	-0,1	-0,1	0,0	-0,1	0,0
Electrical machinery	2,31	-0,1	0,0	0,3	0,4	0,2	0,3
Radio, television and communication apparatus and professional equipment	1,21	-0,1	0,0	0,0	-0,1	0,1	0,1
Radio, television and communication apparatus	0,13	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,08	-0,1	0,0	0,0	-0,1	0,1	0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	0,4	-1,3	0,1	-0,5	-0,4	-0,8
Motor vehicles	2,65	0,0	-0,6	0,0	0,2	0,3	0,3
Bodies for motor vehicles, trailers and semi-trailers	0,71	0,0	-0,1	-0,1	0,0	0,0	-0,1
Parts and accessories	3,93	0,2	-0,7	0,0	-0,8	-0,7	-1,1
Other transport equipment	1,37	0,1	0,0	0,2	0,1	0,0	0,1
Furniture and other manufacturing	4,21	0,3	-0,5	0,0	0,2	0,0	-0,3
Furniture	0,86	0,1	0,0	0,0	0,2	0,1	0,0
Other manufacturing groups	3,35	0,2	-0,5	0,0	0,0	-0,1	-0,3
Total	100	0,6	-8,8	-0,1	-0,3	2,0	0,2

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Month-on-month % change
Food and beverages	20,18	111,1	111,6	112,0	118,6	116,2	-2,0
Meat, fish, fruit, etc.	2,95	104,7	107,7	109,2	107,6	107,8	0,2
Dairy products	1,34	112,6	109,2	99,8	107,0	106,6	-0,4
Grain mill products	1,69	100,2	102,7	102,6	109,0	104,2	-4,4
Other food products	7,76	105,6	105,1	110,7	121,0	112,5	-7,0
Beverages	6,44	123,3	124,0	119,9	125,7	129,6	3,1
Textiles, clothing, leather and footwear	4,38	84,0	88,4	86,4	85,0	86,6	1,9
Textiles	1,10	113,7	115,9	114,5	109,0	110,1	1,0
Other textile products	0,65	83,1	84,7	84,1	75,0	83,3	11,1
Knitted, crocheted articles	0,06	70,0	67,5	68,8	63,6	66,4	4,4
Wearing apparel	2,04	70,8	78,5	75,4	79,0	77,6	-1,8
Leather and leather products	0,28	58,1	55,8	50,2	52,1	67,0	28,6
Footwear	0,25	96,5	98,4	102,4	96,1	92,7	-3,5
Wood and wood products, paper, publishing and printing	10,77	87,4	90,1	89,3	89,3	82,4	-7,7
Sawmilling and planing of wood	0,93	78,2	90,5	90,4	89,7	88,7	-1,1
Products of wood	0,87	99,4	102,4	112,4	108,5	104,2	-4,0
Paper and paper products	5,39	95,4	98,8	97,3	96,2	87,0	-9,6
Publishing	2,24	68,7	62,5	64,4	69,2	62,0	-10,4
Printing, recorded media	1,34	84,7	92,6	82,5	82,1	78,9	-3,9
Petroleum, chemical products, rubber and plastic products	25,38	76,9	75,5	80,3	80,0	83,4	4,3
Coke, petroleum products and nuclear fuel	12,02	62,5	63,1	69,9	68,8	72,6	5,5
Basic chemicals	3,69	86,4	83,9	89,3	88,8	93,2	5,0
Other chemical products	6,54	89,4	85,2	86,5	82,7	90,2	9,1
Rubber products	0,84	90,1	84,6	80,8	115,0	83,4	-27,5
Plastic products	2,29	96,8	95,8	102,9	104,3	104,5	0,2
Glass and non-metallic mineral products	3,42	88,5	92,0	96,7	90,9	92,6	1,9
Glass and glass products	0,51	102,4	105,8	115,1	107,6	115,1	7,0
Non-metallic mineral products	2,91	86,1	89,6	93,5	88,0	88,7	0,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	82,7	98,9	97,3	99,9	98,2	-1,7
Basic iron and steel products	2,82	96,3	106,3	103,8	101,6	102,3	0,7
Non-ferrous metal products	3,26	71,0	93,1	95,6	93,5	94,9	1,5
Structural metal products	1,98	71,5	81,2	82,0	78,2	80,2	2,6
Other fabricated metal products	3,35	78,2	108,4	103,7	112,0	107,1	-4,4
General purpose machinery	3,46	83,9	91,8	102,5	106,6	97,7	-8,3
Special purpose machinery	3,87	90,5	107,2	91,6	100,9	100,4	-0,5
Household appliances	0,73	85,7	90,9	97,1	88,8	95,3	7,3
Electrical machinery	2,31	77,5	87,8	101,2	97,4	91,7	-5,9
Radio, television and communication apparatus and professional equipment	1,21	82,9	81,5	79,0	84,8	87,8	3,5
Radio, television and communication apparatus	0,13	98,5	92,6	106,8	82,0	92,4	12,7
Professional equipment	1,08	81,0	80,2	75,6	85,2	87,2	2,3
Motor vehicles, parts and accessories and other transport equipment	8,66	89,4	104,5	97,8	108,9	105,9	-2,8
Motor vehicles	2,65	74,7	96,3	97,4	112,5	111,6	-0,8
Bodies for motor vehicles, trailers and semi-trailers	0,71	109,6	114,5	118,4	120,1	111,9	-6,8
Parts and accessories	3,93	101,0	115,4	102,7	116,4	111,7	-4,0
Other transport equipment	1,37	74,3	83,9	73,4	74,7	75,3	0,8
Furniture and other manufacturing	4,21	88,4	93,7	104,3	92,2	86,6	-6,1
Furniture	0,86	74,1	77,6	99,1	91,2	77,1	-15,5
Other manufacturing groups	3,35	92,1	97,8	105,7	92,5	89,0	-3,8
Total	100	88,4	93,7	94,8	96,7	95,6	-1,1

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

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	139 225	149 636	156 666	172 214	171 007	171 152	194 970
Feb	163 356	165 487	176 719	187 842	192 539	198 975	220 802
Mar	172 593	185 940	188 124	204 507	193 836	229 933	
Apr	163 319	160 384	167 557	193 058	94 494	207 693	
May	176 020	182 432	195 219	203 372	140 157	213 056	
Jun	180 107	186 151	195 254	202 998	170 119	219 285	
Jul	173 886	177 739	197 011	206 806	183 456	190 014	
Aug	180 189	189 251	204 516	215 850	189 101	210 625	
Sep	187 502	191 607	208 143	208 597	204 603	222 299	
Oct	186 919	200 251	224 904	226 883	224 572	220 266	
Nov	199 033	217 252	229 912	224 760	228 294	247 072	
Dec	165 055	175 645	184 356	178 414	188 434	207 789	
Total	2 087 204	2 181 775	2 328 381	2 425 301	2 180 612	2 538 159	

¹ The latest three months are preliminary.

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

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

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	202 209	198 816	202 594	231 821	-0,1	2,8	-0,7	4,0
Feb	198 714	201 796	208 666	231 702	-1,7	1,5	3,0	-0,1
Mar	201 498	190 157	223 247		1,4	-5,8	7,0	
Apr	207 884	100 819	219 796		3,2	-47,0	-1,5	
May	200 110	140 866	215 506		-3,7	39,7	-2,0	
Jun	203 644	168 154	216 001		1,8	19,4	0,2	
Jul	204 732	180 151	189 378		0,5	7,1	-12,3	
Aug	208 347	186 347	205 948		1,8	3,4	8,7	
Sep	202 612	196 572	213 982		-2,8	5,5	3,9	
Oct	203 941	202 275	201 412		0,7	2,9	-5,9	
Nov	198 257	203 941	218 124		-2,8	0,8	8,3	
Dec	193 378	204 084	222 807		-2,5	0,1	2,1	

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

Manufacturing division and major group	Sep-21	Oct-21	Nov-21	¹ Dec-21	¹ Jan-22	¹ Feb-22
Food and beverages	56 481	58 568	62 176	62 288	49 598	51 450
Meat, fish, fruit, etc.	16 135	16 464	17 387	18 617	14 552	15 066
Dairy products	4 532	5 024	4 937	4 771	4 220	4 026
Grain mill products	8 703	9 318	10 177	9 080	8 427	8 382
Other food products	11 118	10 903	10 787	9 079	8 809	8 520
Beverages	15 994	16 858	18 888	20 741	13 591	15 456
Textiles, clothing, leather and footwear	5 199	5 992	6 383	4 559	3 668	5 038
Textiles	799	936	879	562	628	744
Other textile products	1 525	1 813	1 896	1 259	1 032	1 625
Knitted, crocheted articles	193	210	214	140	131	180
Wearing apparel	1 608	1 866	2 182	1 592	1 111	1 578
Leather and leather products	493	504	457	372	364	454
Footwear	581	664	756	634	403	458
Wood and wood products, paper, publishing and printing	16 236	15 207	17 218	13 734	13 152	13 081
Sawmilling and planing of wood	868	877	1 008	791	796	905
Products of wood	2 113	2 195	2 268	1 496	1 795	1 959
Paper and paper products	8 336	7 627	8 826	7 971	7 205	6 871
Publishing	2 081	1 524	1 436	1 166	1 268	1 118
Printing, recorded media	2 838	2 984	3 680	2 310	2 089	2 227
Petroleum, chemical products, rubber and plastic products	41 816	42 604	43 820	39 826	37 852	39 660
Coke, petroleum products and nuclear fuel	8 077	9 087	9 732	9 964	8 756	8 846
Basic chemicals	10 842	11 047	10 847	10 257	9 868	9 906
Other chemical products	13 844	12 950	13 047	11 903	11 454	11 946
Rubber products	1 593	1 768	1 723	1 394	1 352	1 580
Plastic products	7 460	7 752	8 470	6 307	6 422	7 382
Glass and non-metallic mineral products	6 716	7 002	7 191	5 209	5 032	6 240
Glass and glass products	1 256	1 372	1 465	1 336	1 136	1 305
Non-metallic mineral products	5 460	5 630	5 726	3 873	3 896	4 935
Basic iron and steel, non-ferrous metal products, metal products and machinery	56 342	48 111	62 748	46 199	49 667	55 811
Basic iron and steel products	16 013	10 342	18 610	11 158	14 442	14 234
Non-ferrous metal products	16 437	17 718	18 837	16 171	16 682	19 382
Structural metal products	4 024	3 371	4 009	2 559	2 535	3 255
Other fabricated metal products	7 816	6 335	8 939	5 290	6 705	7 858
General purpose machinery	4 901	3 995	4 511	4 160	3 467	4 098
Special purpose machinery	5 971	5 172	6 493	5 727	4 696	5 688
Household appliances	1 181	1 178	1 349	1 135	1 139	1 296
Electrical machinery	5 614	5 313	6 406	4 927	4 638	5 776
Radio, television and communication apparatus and professional equipment	2 202	2 465	2 773	2 464	1 697	2 112
Radio, television and communication apparatus	1 190	1 343	1 597	1 502	804	1 064
Professional equipment	1 012	1 122	1 176	962	893	1 048
Motor vehicles, parts and accessories and other transport equipment	22 982	25 833	28 605	19 161	23 363	33 253
Motor vehicles	11 361	15 046	15 376	10 819	13 245	20 323
Bodies for motor vehicles, trailers and semi-trailers	1 310	1 260	1 368	859	903	1 147
Parts and accessories	7 397	6 719	8 550	4 808	6 930	9 085
Other transport equipment	2 915	2 808	3 312	2 676	2 285	2 698
Furniture and other manufacturing	8 710	9 171	9 751	9 421	6 302	8 380
Furniture	1 744	1 776	2 036	1 684	1 216	1 382
Other manufacturing groups	6 966	7 395	7 715	7 737	5 087	6 998
Total	222 299	220 266	247 072	207 789	194 970	220 802

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	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
Food and beverages	10,0	3,8	11,8	6,5	25,1	2,0
Meat, fish, fruit, etc.	11,4	6,2	13,8	16,6	18,7	13,9
Dairy products	-2,8	4,7	0,2	-4,4	-3,3	1,3
Grain mill products	13,2	10,0	20,6	11,3	18,1	13,7
Other food products	11,1	-11,8	-5,1	-20,7	-13,8	-11,8
Beverages	10,3	10,2	21,0	15,8	139,2	-4,5
Textiles, clothing, leather and footwear	3,3	8,0	10,5	9,1	1,4	10,0
Textiles	-0,7	17,6	8,8	-2,4	8,3	2,8
Other textile products	16,7	6,8	12,7	17,4	-3,4	14,7
Knitted, crocheted articles	-11,9	9,4	15,1	-9,1	-5,8	6,5
Wearing apparel	3,6	9,9	16,9	16,6	22,2	21,5
Leather and leather products	-4,1	0,2	-13,9	-23,3	-21,7	-0,2
Footwear	-8,5	0,3	8,0	20,1	-11,8	-11,6
Wood and wood products, paper, publishing and printing	17,2	7,3	10,8	8,5	14,8	2,2
Sawmilling and planing of wood	-12,1	-9,8	7,0	29,0	0,6	8,8
Products of wood	16,5	5,4	12,4	3,8	14,6	16,9
Paper and paper products	7,5	12,2	19,7	17,3	19,2	1,6
Publishing	49,5	13,9	-11,0	-13,0	31,7	-6,4
Printing, recorded media	49,3	0,3	2,3	-6,4	-0,3	-4,7
Petroleum, chemical products, rubber and plastic products	10,0	5,0	5,0	13,8	12,5	17,8
Coke, petroleum products and nuclear fuel	-0,2	15,0	16,7	30,0	7,6	39,8
Basic chemicals	16,7	13,2	7,3	28,5	22,6	25,8
Other chemical products	9,5	-5,8	-7,9	-7,8	3,2	0,9
Rubber products	-5,4	0,4	2,2	20,7	3,3	-8,0
Plastic products	18,4	4,6	14,0	19,6	27,2	24,8
Glass and non-metallic mineral products	6,5	-1,0	2,9	3,1	1,5	11,8
Glass and glass products	-5,0	-16,0	-8,2	8,3	-1,4	14,7
Non-metallic mineral products	9,6	3,4	6,2	1,4	2,4	11,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,7	1,2	28,7	18,5	22,0	25,4
Basic iron and steel products	78,4	15,3	86,3	44,5	54,6	53,7
Non-ferrous metal products	4,6	8,1	11,9	15,7	10,2	25,3
Structural metal products	29,9	-0,6	12,7	3,9	10,7	4,3
Other fabricated metal products	14,8	-17,1	27,3	2,5	18,8	25,1
General purpose machinery	9,3	-3,4	6,3	25,3	20,1	10,3
Special purpose machinery	8,8	-9,4	12,2	6,9	8,8	3,4
Household appliances	18,3	-8,0	1,6	14,3	4,4	11,1
Electrical machinery	8,4	-3,5	10,9	14,5	19,3	14,4
Radio, television and communication apparatus and professional equipment	4,5	-0,5	12,0	1,0	16,6	11,3
Radio, television and communication apparatus	18,4	-3,9	21,1	9,3	16,5	9,0
Professional equipment	-8,3	3,9	1,6	-9,7	16,7	13,7
Motor vehicles, parts and accessories and other transport equipment	-25,1	-30,2	-23,0	-3,1	-10,4	1,9
Motor vehicles	-41,4	-35,3	-33,0	-1,7	-10,8	5,4
Bodies for motor vehicles, trailers and semi-trailers	14,2	0,7	-3,6	-0,9	14,7	0,6
Parts and accessories	-4,9	-32,9	-16,8	-14,5	-18,1	-8,7
Other transport equipment	21,5	13,1	31,8	18,0	14,5	19,5
Furniture and other manufacturing	33,6	11,1	15,2	24,3	11,0	7,1
Furniture	20,5	3,2	15,9	35,9	38,0	13,5
Other manufacturing groups	37,4	13,1	15,1	22,0	6,0	5,9
Total	8,6	-1,9	8,2	10,3	13,9	11,0

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

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

Manufacturing division and major group	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Month-on-month % change
Food and beverages	53 922	54 828	54 344	57 338	55 795	-2,7
Meat, fish, fruit, etc.	15 595	15 803	16 610	17 466	16 691	-4,4
Dairy products	4 646	4 525	4 370	4 460	4 480	0,4
Grain mill products	8 984	9 146	8 983	9 296	9 207	-1,0
Other food products	9 485	9 921	9 387	9 895	9 657	-2,4
Beverages	15 213	15 432	14 995	16 220	15 760	-2,8
Textiles, clothing, leather and footwear	5 067	5 157	5 218	5 150	5 385	4,6
Textiles	796	746	791	818	766	-6,4
Other textile products	1 501	1 557	1 551	1 432	1 611	12,5
Knitted, crocheted articles	186	192	194	180	189	5,0
Wearing apparel	1 589	1 686	1 704	1 741	1 762	1,2
Leather and leather products	443	426	409	410	492	20,0
Footwear	551	551	570	569	565	-0,7
Wood and wood products, paper, publishing and printing	13 969	14 655	14 679	15 477	13 918	-10,1
Sawmilling and planing of wood	839	923	1 071	905	938	3,6
Products of wood	1 907	1 952	1 925	2 239	2 075	-7,3
Paper and paper products	7 483	8 031	8 009	8 227	7 293	-11,4
Publishing	1 269	1 130	1 175	1 556	1 154	-25,8
Printing, recorded media	2 472	2 620	2 498	2 550	2 458	-3,6
Petroleum, chemical products, rubber and plastic products	39 083	38 529	41 526	42 568	43 329	1,8
Coke, petroleum products and nuclear fuel	8 856	9 161	9 585	8 564	10 383	21,2
Basic chemicals	9 946	9 331	10 822	11 029	10 849	-1,6
Other chemical products	12 061	11 502	11 937	13 426	12 887	-4,0
Rubber products	1 602	1 559	1 855	1 647	1 477	-10,3
Plastic products	6 619	6 975	7 327	7 901	7 732	-2,1
Glass and non-metallic mineral products	6 105	6 200	6 476	6 593	6 731	2,1
Glass and glass products	1 088	1 182	1 393	1 283	1 419	10,6
Non-metallic mineral products	5 017	5 018	5 083	5 310	5 312	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	44 899	57 174	54 421	58 550	58 391	-0,3
Basic iron and steel products	9 829	16 994	14 166	15 710	15 231	-3,0
Non-ferrous metal products	16 566	17 578	17 926	18 655	20 141	8,0
Structural metal products	2 988	3 402	3 381	3 492	3 295	-5,6
Other fabricated metal products	5 632	7 735	7 087	8 798	8 271	-6,0
General purpose machinery	3 750	4 190	4 701	4 614	4 358	-5,5
Special purpose machinery	5 052	6 081	5 830	6 031	5 805	-3,7
Household appliances	1 083	1 194	1 329	1 249	1 289	3,2
Electrical machinery	4 893	5 606	5 932	5 976	5 727	-4,2
Radio, television and communication apparatus and professional equipment	2 205	2 264	2 156	2 308	2 242	-2,9
Radio, television and communication apparatus	1 163	1 216	1 211	1 161	1 126	-3,0
Professional equipment	1 042	1 048	945	1 147	1 116	-2,7
Motor vehicles, parts and accessories and other transport equipment	23 041	25 314	28 509	29 409	31 903	8,5
Motor vehicles	12 808	13 631	16 747	17 444	19 548	12,1
Bodies for motor vehicles, trailers and semi-trailers	1 117	1 132	1 196	1 256	1 201	-4,4
Parts and accessories	6 445	7 491	7 857	7 942	8 344	5,1
Other transport equipment	2 671	3 060	2 708	2 766	2 811	1,6
Furniture and other manufacturing	8 226	8 398	9 545	8 453	8 281	-2,0
Furniture	1 376	1 525	1 866	1 848	1 485	-19,6
Other manufacturing groups	6 850	6 872	7 679	6 605	6 796	2,9
Total	201 412	218 124	222 807	231 821	231 702	-0,1

Survey information

Introduction	1	Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
	2	In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
	3	In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
	4	Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
Purpose of the survey	5	The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
Special Data Dissemination Standard of the IMF	6	The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
Scope of the survey	7	This survey covers manufacturing enterprises, i.e. those conducting activities in - - the manufacturing, processing, making or packing of products; - the slaughtering of animals, including poultry; and - installation, assembly, completion, repair and related work.
Classification	8	The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
Collection rate	9	The preliminary collection rate for the survey on manufacturing production and sales was 64,1% for February 2022. The improved collection rate for January 2022 was 66,8%.
Statistical unit	10	The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
Revised figures	11	Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.
Related publications	12	Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.

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

Technical notes

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

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

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

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

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

Measure of size classes (Rand)

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

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2015. 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 2021	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			
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 – 2021 (based on value added for 2016 – 2018)
Food and beverages	18,90	19,24	19,76	20,18
Meat, fish, fruit, etc.	2,50	2,58	2,74	2,95
Dairy products	1,21	1,27	1,32	1,34
Grain mill products	1,98	1,95	1,81	1,69
Other food products	7,04	7,29	7,53	7,76
Beverages	6,17	6,15	6,36	6,44
Textiles, clothing, leather and footwear	4,63	4,55	4,44	4,38
Textiles	1,17	1,15	1,11	1,10
Other textile products	0,68	0,67	0,67	0,65
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,16	2,13	2,07	2,04
Leather and leather products	0,30	0,29	0,28	0,28
Footwear	0,26	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,83	10,88	10,76	10,77
Sawmilling and planing of wood	0,89	0,93	0,93	0,93
Products of wood	0,78	0,83	0,86	0,87
Paper and paper products	5,24	5,38	5,33	5,39
Publishing	2,40	2,31	2,28	2,24
Printing, recorded media	1,52	1,43	1,36	1,34
Petroleum, chemical products, rubber and plastic products	24,17	24,66	25,25	25,38
Coke, petroleum products and nuclear fuel	10,48	10,98	11,72	12,02
Basic chemicals	4,18	4,10	3,82	3,69
Other chemical products	6,36	6,28	6,42	6,54
Rubber products	0,98	0,96	0,91	0,84
Plastic products	2,17	2,34	2,38	2,29
Glass and non-metallic mineral products	4,27	3,98	3,66	3,42
Glass and glass products	0,67	0,61	0,57	0,51
Non-metallic mineral products	3,60	3,37	3,09	2,91
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,17	19,82	19,55	19,47
Basic iron and steel products	3,06	2,86	2,77	2,82
Non-ferrous metal products (including precious metals)	3,94	3,74	3,48	3,26
Structural metal products	1,90	1,92	1,97	1,98
Other fabricated metal products	3,37	3,33	3,32	3,35
General purpose machinery	3,22	3,35	3,36	3,46
Special purpose machinery	4,01	3,93	3,93	3,87
Household appliances	0,67	0,69	0,71	0,73
Electrical machinery	2,65	2,55	2,42	2,31
Radio, television and communication apparatus and professional equipment	1,45	1,46	1,34	1,21
Radio, television and communication apparatus	0,51	0,43	0,29	0,13
Professional equipment	0,94	1,03	1,05	1,08
Motor vehicles, parts and accessories and other transport equipment	8,63	8,63	8,56	8,66
Motor vehicles	2,53	2,51	2,61	2,65
Bodies for motor vehicles, trailers and semi-trailers	0,61	0,66	0,68	0,71
Parts and accessories	4,13	4,10	3,91	3,93
Other transport equipment	1,36	1,36	1,36	1,37
Furniture and other manufacturing	4,29	4,22	4,26	4,21
Furniture	0,87	0,88	0,91	0,86
Other manufacturing groups	3,42	3,34	3,35	3,35
Total	100	100	100	100

- Seasonal adjustment** **10** Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. 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. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Manufacturing seasonal adjustment February 2022](#)
- Trend cycle** **11** The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
- Reliability of estimates** **12** Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 13** Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Month-on-month percentage change** **14** The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
- Year-on-year (annual) percentage change** **15** The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
- Index contribution (percentage points)** **16** The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
- Sales contribution (percentage points)** **17** The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

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

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