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Manufacturing: Production and sales (Preliminary)

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Production: results for January 2022**Table A – Key growth rates in the volume of manufacturing production**

	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Year-on-year % change, unadjusted	2,2	0,6	-8,8	-0,1	-0,2	2,9
Month-on-month % change, seasonally adjusted	7,5	2,8	-5,3	4,6	2,5	1,9
3-month % change, seasonally adjusted ¹	-6,2	-4,2	1,3	2,6	2,7	4,0

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

Manufacturing production increased by 2,9% in January 2022 compared with January 2021. The largest positive contributions were made by the following divisions:

- food and beverages (11,5% and contributing 2,5 percentage points);
- wood and wood products, paper, publishing and printing (6,8% and contributing 0,7 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (3,2% and contributing 0,6 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 1,9% in January 2022 compared with December 2021. This followed month-on-month changes of 2,5% in December 2021 and 4,6% in November 2021 – see Table A.

Seasonally adjusted manufacturing production increased by 4,0% in the three months ended January 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:

- basic iron and steel, non-ferrous metal products, metal products and machinery (6,3% and contributing 1,3 percentage points);
- motor vehicles, parts and accessories and other transport equipment (11,3% and contributing 1,0 percentage point); and
- petroleum, chemical products, rubber and plastic products (3,5% and contributing 0,7 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	Aug – Oct 2021	Nov 2021 – Jan 2022	% change between Aug – Oct 2021 and Nov 2021 – Jan 2022	Contribution (% points) to the total % change
Food and beverages	20,18	113,3	113,2	-0,1	0,0
Meat, fish, fruit, etc.	2,95	104,1	107,9	3,7	0,1
Dairy products	1,34	106,6	107,4	0,8	0,0
Grain mill products	1,69	99,2	106,4	7,3	0,1
Other food products	7,76	112,9	110,9	-1,8	-0,2
Beverages	6,44	123,0	121,5	-1,2	-0,1
Textiles, clothing, leather and footwear	4,38	80,6	86,2	6,9	0,3
Textiles	1,10	113,1	115,4	2,0	0,0
Other textile products	0,65	81,6	81,8	0,2	0,0
Knitted, crocheted articles	0,06	67,4	66,5	-1,3	0,0
Wearing apparel	2,04	64,4	75,2	16,8	0,2
Leather and leather products	0,28	56,3	53,3	-5,3	0,0
Footwear	0,25	97,5	101,1	3,7	0,0
Wood and wood products, paper, publishing and printing	10,77	89,5	89,9	0,4	0,0
Sawmilling and planing of wood	0,93	81,4	90,2	10,8	0,1
Products of wood	0,87	101,4	108,2	6,7	0,1
Paper and paper products	5,39	95,2	98,1	3,0	0,2
Publishing	2,24	76,1	65,3	-14,2	-0,3
Printing, recorded media	1,34	87,0	86,2	-0,9	0,0
Petroleum, chemical products, rubber and plastic products	25,38	77,4	80,1	3,5	0,7
Coke, petroleum products and nuclear fuel	12,02	63,6	69,1	8,6	0,7
Basic chemicals	3,69	87,1	84,5	-3,0	-0,1
Other chemical products	6,54	87,7	88,4	0,8	0,0
Rubber products	0,84	89,1	96,3	8,1	0,1
Plastic products	2,29	100,8	101,3	0,5	0,0
Glass and non-metallic mineral products	3,42	91,1	94,1	3,3	0,1
Glass and glass products	0,51	102,3	108,7	6,3	0,0
Non-metallic mineral products	2,91	89,2	91,6	2,7	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	93,1	99,0	6,3	1,3
Basic iron and steel products	2,82	102,3	104,5	2,2	0,1
Non-ferrous metal products	3,26	84,6	95,4	12,8	0,4
Structural metal products	1,98	81,9	80,9	-1,2	0,0
Other fabricated metal products	3,35	94,9	106,9	12,6	0,4
General purpose machinery	3,46	95,9	100,3	4,6	0,2
Special purpose machinery	3,87	95,6	100,3	4,9	0,2
Household appliances	0,73	91,0	92,8	2,0	0,0
Electrical machinery	2,31	78,4	95,0	21,2	0,4
Radio, television and communication apparatus and professional equipment	1,21	77,6	81,5	5,0	0,1
Radio, television and communication apparatus	0,13	90,2	94,2	4,4	0,0
Professional equipment	1,08	76,1	79,9	5,0	0,0
Motor vehicles, parts and accessories and other transport equipment	8,66	93,2	103,7	11,3	1,0
Motor vehicles	2,65	71,9	101,2	40,8	0,8
Bodies for motor vehicles, trailers and semi-trailers	0,71	117,6	117,0	-0,5	0,0
Parts and accessories	3,93	110,2	112,3	1,9	0,1
Other transport equipment	1,37	72,8	77,0	5,8	0,1
Furniture and other manufacturing	4,21	93,8	97,1	3,5	0,2
Furniture	0,86	81,1	90,1	11,1	0,1
Other manufacturing groups	3,35	97,0	98,9	2,0	0,1
Total	100	91,7	95,4	4,0	4,0

Figure 1 – Volume of manufacturing production (Base: 2015=100)

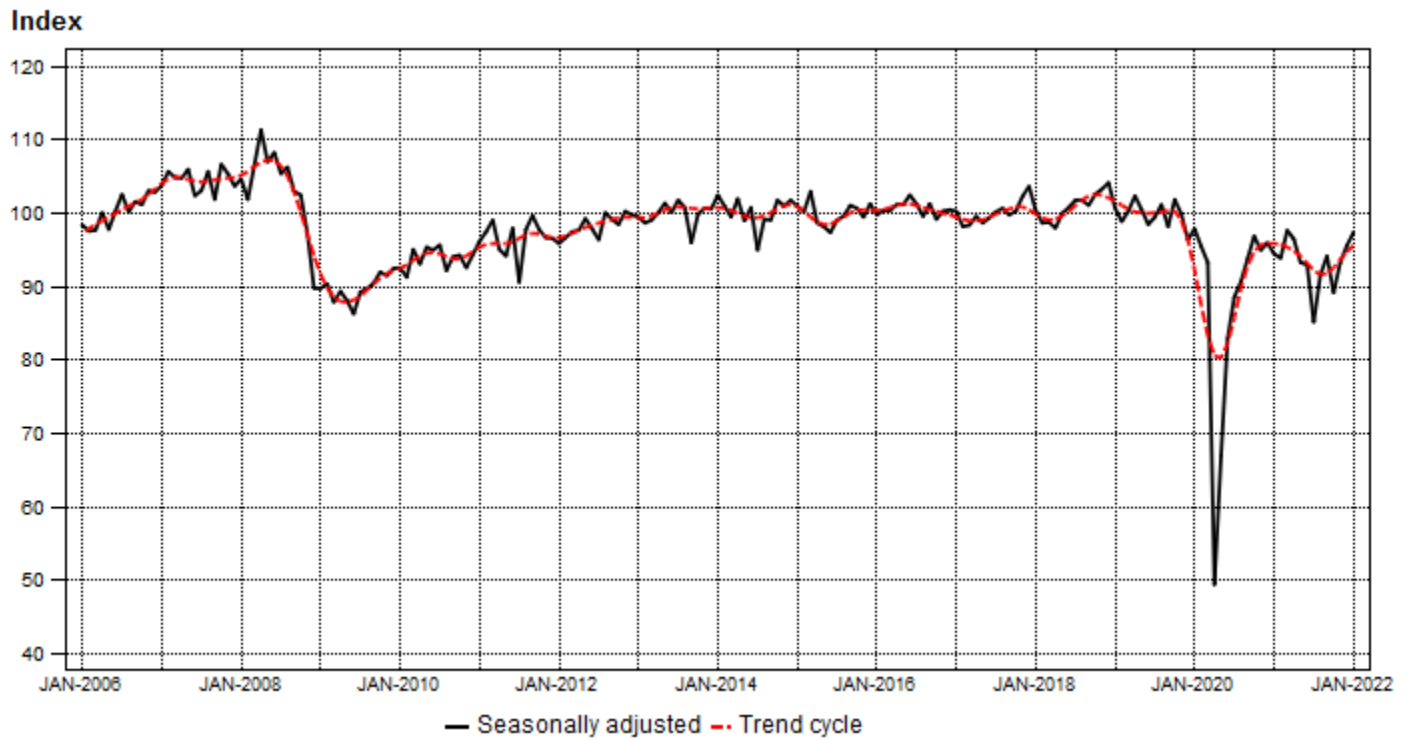
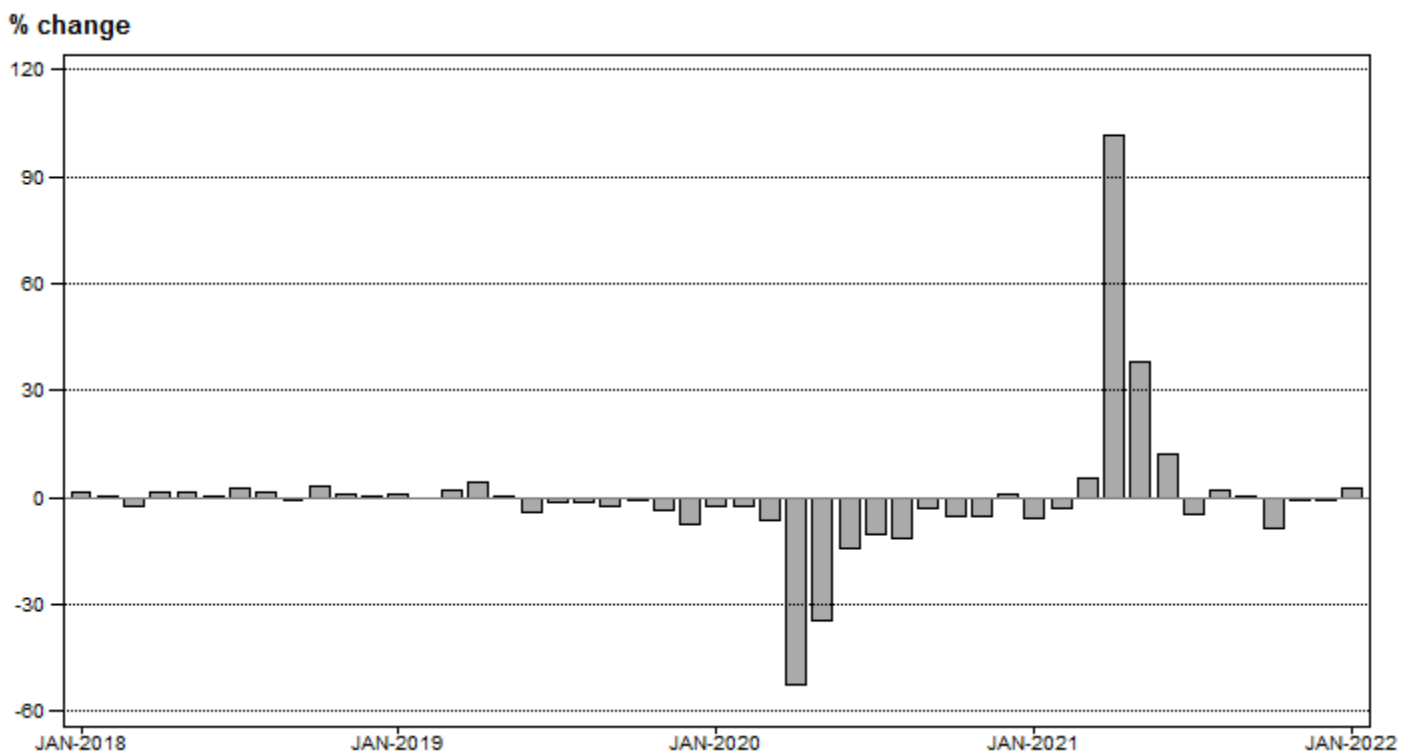


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



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

	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Year-on-year % change, unadjusted	11,4	8,6	-1,9	8,8	10,3	14,4
Month-on-month % change, seasonally adjusted	10,0	4,1	-6,1	8,8	1,1	4,7
3-month % change, seasonally adjusted ¹	-7,5	-6,5	0,5	4,2	5,6	8,1

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

Seasonally adjusted manufacturing sales increased by 4,7% in January 2022 compared with December 2021. This followed month-on-month changes of 1,1% in December 2021 and 8,8% in November 2021 – see Table C.

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

Manufacturing division	Aug – Oct 2021 (R million)	Nov 2021 – Jan 2022 (R million)	% change between Aug – Oct 2021 and Nov 2021 – Jan 2022	Contribution (% points) to the total % change
Food and beverages	163 475	166 932	2,1	0,6
Textiles, clothing, leather and footwear	14 738	15 556	5,6	0,1
Wood and wood products, paper, publishing and printing	41 985	45 322	7,9	0,5
Petroleum, chemical products, rubber and plastic products	114 851	122 865	7,0	1,3
Glass and non-metallic mineral products	18 455	19 202	4,0	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	153 046	167 528	9,5	2,3
Electrical machinery	15 315	17 341	13,2	0,3
Radio, television and communication apparatus and professional equipment	6 317	6 780	7,3	0,1
Motor vehicles, parts and accessories and other transport equipment	68 426	83 939	22,7	2,5
Furniture and other manufacturing	24 826	26 405	6,4	0,3
Total	621 435	671 870	8,1	8,1

Seasonally adjusted manufacturing sales increased by 8,1% in the three months ended January 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 (22,7% and contributing 2,5 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (9,5% and contributing 2,3 percentage points); and
- petroleum, chemical products, rubber and plastic products (7,0% and contributing 1,3 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	82,8
Feb	98,1	94,2	94,4	94,4	92,0	89,4	
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	87,3	
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	2,9	2,9
Feb	-4,0	0,2	0,0	-2,5	-2,8		
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	-0,2		
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	100,7	97,9	94,5	97,4	-3,4	1,6	-1,6	1,9
Feb	98,9	95,5	93,9		-1,8	-2,5	-0,6	
Mar	100,3	93,3	97,7		1,4	-2,3	4,0	
Apr	102,4	49,4	96,5		2,1	-47,1	-1,2	
May	100,5	67,0	93,3		-1,9	35,6	-3,3	
Jun	98,5	83,0	93,0		-2,0	23,9	-0,3	
Jul	99,5	88,6	85,2		1,0	6,7	-8,4	
Aug	101,2	90,7	91,6		1,7	2,4	7,5	
Sep	98,2	93,8	94,2		-3,0	3,4	2,8	
Oct	101,9	96,9	89,2		3,8	3,3	-5,3	
Nov	99,9	95,0	93,3		-2,0	-2,0	4,6	
Dec	96,4	96,0	95,6		-3,5	1,1	2,5	

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

Manufacturing division and major group	Weights	Aug-21	Sep-21	Oct-21	¹ Nov-21	¹ Dec-21	¹ Jan-22
Food and beverages	20,18	118,1	122,1	121,2	126,0	122,2	98,3
Meat, fish, fruit, etc.	2,95	99,7	106,5	108,7	116,9	120,2	93,2
Dairy products	1,34	103,0	109,8	125,0	125,6	109,2	104,7
Grain mill products	1,69	99,6	101,3	102,0	113,9	105,4	102,5
Other food products	7,76	130,4	129,6	116,0	114,3	100,3	90,6
Beverages	6,44	119,8	128,1	137,5	147,6	156,6	107,6
Textiles, clothing, leather and footwear	4,38	80,4	88,8	100,2	104,6	70,3	60,4
Textiles	1,10	105,7	128,9	132,0	132,0	74,9	87,3
Other textile products	0,65	80,0	83,0	100,2	100,7	66,8	58,5
Knitted, crocheted articles	0,06	76,3	69,3	79,2	74,9	50,6	46,6
Wearing apparel	2,04	67,1	72,0	86,6	96,4	68,8	47,9
Leather and leather products	0,28	50,2	62,1	68,1	55,3	46,5	46,9
Footwear	0,25	113,2	98,4	112,4	124,3	103,6	67,7
Wood and wood products, paper, publishing and printing	10,77	92,1	103,5	95,8	104,3	84,1	78,4
Sawmilling and planing of wood	0,93	88,5	83,8	84,6	96,9	70,1	77,5
Products of wood	0,87	107,6	110,0	117,7	116,0	89,2	90,3
Paper and paper products	5,39	99,0	105,5	97,5	108,5	96,6	87,3
Publishing	2,24	71,8	109,4	83,3	76,8	63,2	59,7
Printing, recorded media	1,34	90,6	94,9	103,0	131,2	75,1	67,0
Petroleum, chemical products, rubber and plastic products	25,38	73,9	82,3	84,6	82,8	77,8	77,0
Coke, petroleum products and nuclear fuel	12,02	62,5	58,9	69,4	65,6	72,4	69,4
Basic chemicals	3,69	80,2	106,3	92,3	91,9	83,7	83,4
Other chemical products	6,54	78,2	101,9	96,8	95,6	84,2	80,9
Rubber products	0,84	92,8	88,1	101,1	92,4	47,8	101,3
Plastic products	2,29	104,8	108,2	111,3	117,9	88,8	86,8
Glass and non-metallic mineral products	3,42	97,7	97,7	101,6	103,5	78,3	75,2
Glass and glass products	0,51	107,8	108,3	116,3	123,9	110,4	100,8
Non-metallic mineral products	2,91	95,9	95,9	99,1	99,9	72,7	70,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	99,3	102,9	89,4	106,4	83,8	84,6
Basic iron and steel products	2,82	98,9	106,2	102,4	107,5	90,2	102,6
Non-ferrous metal products	3,26	93,6	92,5	74,3	93,4	92,3	89,6
Structural metal products	1,98	85,6	98,5	79,8	94,8	60,5	57,6
Other fabricated metal products	3,35	103,9	111,1	90,1	123,9	72,9	91,8
General purpose machinery	3,46	107,4	110,1	89,9	103,1	94,0	74,5
Special purpose machinery	3,87	101,5	99,4	96,1	111,1	84,6	82,8
Household appliances	0,73	92,1	94,7	90,8	101,9	81,8	89,6
Electrical machinery	2,31	86,8	84,1	85,9	97,5	74,3	73,9
Radio, television and communication apparatus and professional equipment	1,21	74,6	78,2	91,9	94,3	79,0	67,8
Radio, television and communication apparatus	0,13	84,9	96,5	116,9	117,4	120,8	60,4
Professional equipment	1,08	73,4	76,0	88,8	91,5	73,9	68,7
Motor vehicles, parts and accessories and other transport equipment	8,66	100,6	99,7	98,3	115,2	57,9	88,6
Motor vehicles	2,65	74,5	86,4	88,4	107,3	46,5	84,3
Bodies for motor vehicles, trailers and semi-trailers	0,71	121,3	137,7	120,9	136,9	78,2	89,5
Parts and accessories	3,93	124,2	108,1	108,0	124,8	56,7	100,6
Other transport equipment	1,37	72,7	81,5	78,0	91,8	73,2	61,6
Furniture and other manufacturing	4,21	105,3	102,9	100,8	112,9	96,0	73,9
Furniture	0,86	86,9	98,2	91,9	104,6	85,2	62,9
Other manufacturing groups	3,35	110,1	104,1	103,1	115,1	98,9	76,7
Total	100	94,8	99,8	97,4	104,6	87,3	82,8

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	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Food and beverages	9,0	2,3	-4,4	1,7	-0,1	11,5
Meat, fish, fruit, etc.	-4,2	2,4	-5,7	7,8	6,0	0,1
Dairy products	-11,0	-11,1	1,5	-0,4	-17,2	-5,2
Grain mill products	-0,1	-1,2	1,6	11,7	9,6	22,6
Other food products	1,0	1,4	-12,7	-14,6	-9,6	-10,7
Beverages	39,5	7,1	3,9	18,8	8,1	61,8
Textiles, clothing, leather and footwear	-6,0	2,7	4,5	11,5	3,4	2,4
Textiles	-4,2	4,5	23,6	13,2	-0,4	1,5
Other textile products	23,3	25,0	4,4	10,2	11,7	-5,6
Knitted, crocheted articles	-1,2	-15,5	6,5	7,0	-12,2	-6,2
Wearing apparel	-16,4	-1,5	-4,7	14,5	7,2	12,7
Leather and leather products	-10,8	-5,6	-11,1	-18,4	-27,6	-22,0
Footwear	5,3	-10,6	-3,4	9,8	9,1	0,0
Wood and wood products, paper, publishing and printing	11,9	12,6	4,6	6,2	4,7	6,8
Sawmilling and planing of wood	-1,0	-13,7	-16,2	5,3	18,6	-1,5
Products of wood	6,4	2,8	-4,8	2,8	8,0	3,8
Paper and paper products	13,1	4,6	9,4	13,4	11,8	9,5
Publishing	4,5	41,9	9,9	-12,2	-12,5	14,1
Printing, recorded media	35,6	41,0	2,5	8,7	-8,9	-5,5
Petroleum, chemical products, rubber and plastic products	-21,0	-11,8	-15,0	-12,9	-2,8	-2,7
Coke, petroleum products and nuclear fuel	-27,8	-29,6	-18,7	-12,2	5,7	4,2
Basic chemicals	-18,8	-2,3	-23,0	-21,9	-16,6	-17,4
Other chemical products	-22,0	5,9	-6,6	-9,9	-8,4	-6,9
Rubber products	-2,7	-13,5	-1,7	-16,8	11,9	13,4
Plastic products	2,4	1,1	-13,1	-8,3	2,0	4,3
Glass and non-metallic mineral products	9,5	3,0	-6,4	-0,2	5,8	-2,0
Glass and glass products	-11,2	-9,0	-11,3	-8,7	6,4	-6,8
Non-metallic mineral products	14,7	5,7	-5,3	1,8	5,7	-0,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	8,9	4,4	-14,6	6,1	-1,3	3,2
Basic iron and steel products	21,9	26,4	4,9	28,1	8,7	10,2
Non-ferrous metal products	-4,5	-7,2	-29,2	1,9	-0,9	-1,5
Structural metal products	5,3	16,0	-13,9	-2,6	-6,1	-6,3
Other fabricated metal products	0,7	0,6	-27,2	10,2	-6,9	3,1
General purpose machinery	10,2	0,2	-11,1	-4,6	7,4	9,9
Special purpose machinery	20,0	1,1	-5,9	10,5	-10,8	2,9
Household appliances	21,2	17,9	-15,1	-13,4	7,3	-8,3
Electrical machinery	13,6	-3,4	-1,0	13,6	22,2	10,0
Radio, television and communication apparatus and professional equipment	-9,8	-13,3	3,8	0,2	-7,9	10,1
Radio, television and communication apparatus	6,4	-0,9	10,9	3,9	17,3	-1,5
Professional equipment	-11,6	-14,9	2,8	-0,3	-11,7	11,5
Motor vehicles, parts and accessories and other transport equipment	17,1	4,9	-13,8	0,8	-8,8	-4,4
Motor vehicles	-3,0	-0,1	-20,2	-1,9	13,1	10,1
Bodies for motor vehicles, trailers and semi-trailers	-1,2	3,9	-9,8	-10,0	-1,3	4,8
Parts and accessories	33,5	6,2	-14,4	0,5	-23,6	-13,6
Other transport equipment	13,6	12,7	4,7	21,6	7,6	3,9
Furniture and other manufacturing	23,3	7,6	-12,0	-0,3	3,7	-2,2
Furniture	6,2	14,9	-4,7	4,8	28,5	12,9
Other manufacturing groups	27,4	6,0	-13,5	-1,3	-0,5	-5,0
Total	2,2	0,6	-8,8	-0,1	-0,2	2,9

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

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	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Month-on-month % change
Food and beverages	20,18	114,6	111,4	110,3	113,1	116,3	2,8
Meat, fish, fruit, etc.	2,95	105,3	105,3	107,0	110,6	106,0	-4,2
Dairy products	1,34	104,2	112,7	113,5	100,5	108,1	7,6
Grain mill products	1,69	98,8	100,6	103,5	104,4	111,4	6,7
Other food products	7,76	116,3	105,7	105,4	110,7	116,5	5,2
Beverages	6,44	123,0	123,6	118,7	122,2	123,7	1,2
Textiles, clothing, leather and footwear	4,38	82,7	83,6	86,8	85,4	86,5	1,3
Textiles	1,10	117,1	115,2	116,8	112,2	117,1	4,4
Other textile products	0,65	81,9	82,8	83,5	83,0	78,9	-4,9
Knitted, crocheted articles	0,06	63,5	71,7	68,2	67,6	63,6	-5,9
Wearing apparel	2,04	66,5	69,4	75,2	74,9	75,6	0,9
Leather and leather products	0,28	60,1	56,6	52,4	52,1	55,4	6,3
Footwear	0,25	96,2	95,5	101,8	100,8	100,6	-0,2
Wood and wood products, paper, publishing and printing	10,77	91,7	87,8	90,6	89,6	89,6	0,0
Sawmilling and planing of wood	0,93	83,0	76,6	90,3	89,9	90,3	0,4
Products of wood	0,87	102,0	101,1	102,5	111,2	110,8	-0,4
Paper and paper products	5,39	92,7	95,5	99,2	98,0	97,2	-0,8
Publishing	2,24	90,9	70,5	64,1	64,8	67,1	3,5
Printing, recorded media	1,34	88,5	84,7	92,9	83,3	82,4	-1,1
Petroleum, chemical products, rubber and plastic products	25,38	79,9	79,6	75,9	81,8	82,7	1,1
Coke, petroleum products and nuclear fuel	12,02	58,9	69,4	65,6	72,4	69,4	-4,1
Basic chemicals	3,69	100,2	80,9	79,1	87,3	87,0	-0,3
Other chemical products	6,54	97,9	90,1	84,8	87,5	93,0	6,3
Rubber products	0,84	84,6	91,9	85,9	87,9	115,2	31,1
Plastic products	2,29	103,8	96,2	96,1	103,5	104,4	0,9
Glass and non-metallic mineral products	3,42	91,3	89,8	91,6	95,5	95,2	-0,3
Glass and glass products	0,51	104,0	102,3	105,5	113,6	107,0	-5,8
Non-metallic mineral products	2,91	89,1	87,6	89,2	92,3	93,2	1,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	98,1	83,2	99,2	97,3	100,5	3,3
Basic iron and steel products	2,82	106,1	95,1	107,1	105,1	101,3	-3,6
Non-ferrous metal products	3,26	91,1	69,5	93,2	96,5	96,5	0,0
Structural metal products	1,98	89,4	74,3	80,5	82,0	80,3	-2,1
Other fabricated metal products	3,35	104,6	80,0	107,9	100,4	112,5	12,1
General purpose machinery	3,46	99,4	87,7	94,3	103,6	102,9	-0,7
Special purpose machinery	3,87	96,6	89,2	106,3	91,6	103,1	12,6
Household appliances	0,73	95,1	85,1	90,8	98,0	89,7	-8,5
Electrical machinery	2,31	78,3	76,7	86,8	101,0	97,2	-3,8
Radio, television and communication apparatus and professional equipment	1,21	74,7	82,5	80,9	78,7	84,8	7,8
Radio, television and communication apparatus	0,13	88,1	98,5	92,3	107,0	83,3	-22,1
Professional equipment	1,08	73,1	80,6	79,5	75,3	85,0	12,9
Motor vehicles, parts and accessories and other transport equipment	8,66	96,2	89,8	102,6	99,3	109,3	10,1
Motor vehicles	2,65	79,5	72,9	94,2	99,5	110,0	10,6
Bodies for motor vehicles, trailers and semi-trailers	0,71	123,2	112,9	117,6	112,7	120,6	7,0
Parts and accessories	3,93	110,8	102,6	112,4	105,6	119,0	12,7
Other transport equipment	1,37	72,6	73,6	82,9	73,8	74,2	0,5
Furniture and other manufacturing	4,21	96,5	84,8	91,9	106,5	92,9	-12,8
Furniture	0,86	91,0	74,0	78,0	100,4	92,0	-8,4
Other manufacturing groups	3,35	98,0	87,6	95,5	108,0	93,1	-13,8
Total	100	94,2	89,2	93,3	95,6	97,4	1,9

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	195 738
Feb	163 356	165 487	176 719	187 842	192 539	198 975	
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	248 357	
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	2 539 444	

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	14,4	14,4
Feb	1,3	6,8	6,3	2,5	3,3		
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	8,8		
Dec	6,4	5,0	-3,2	5,6	10,3		
Total	4,5	6,7	4,2	-10,1	16,5		

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	200 926	197 517	201 874	231 633	-0,2	2,9	-0,5	4,7
Feb	199 078	204 309	209 875		-0,9	3,4	4,0	
Mar	202 542	191 427	224 352		1,7	-6,3	6,9	
Apr	206 264	101 351	218 414		1,8	-47,1	-2,6	
May	199 663	140 301	215 614		-3,2	38,4	-1,3	
Jun	203 580	167 067	215 725		2,0	19,1	0,1	
Jul	203 742	179 136	187 165		0,1	7,2	-13,2	
Aug	209 167	186 682	205 844		2,7	4,2	10,0	
Sep	203 473	197 101	214 351		-2,7	5,6	4,1	
Oct	205 019	202 842	201 240		0,8	2,9	-6,1	
Nov	199 030	204 678	218 964		-2,9	0,9	8,8	
Dec	191 974	202 875	221 273		-3,5	-0,9	1,1	

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

Manufacturing division and major group	Aug-21	Sep-21	Oct-21	¹ Nov-21	¹ Dec-21	¹ Jan-22
Food and beverages	55 043	56 481	58 568	62 214	62 200	50 286
Meat, fish, fruit, etc.	14 951	16 135	16 464	17 407	18 680	14 466
Dairy products	4 362	4 532	5 024	4 950	4 619	4 591
Grain mill products	8 583	8 703	9 318	10 156	9 190	9 086
Other food products	12 571	11 118	10 903	10 814	8 970	8 578
Beverages	14 575	15 994	16 858	18 888	20 741	13 565
Textiles, clothing, leather and footwear	4 888	5 199	5 992	6 343	4 540	3 758
Textiles	732	799	936	891	572	662
Other textile products	1 406	1 525	1 813	1 862	1 230	1 018
Knitted, crocheted articles	215	193	210	214	140	132
Wearing apparel	1 468	1 608	1 866	2 182	1 592	1 172
Leather and leather products	398	493	504	439	372	372
Footwear	669	581	664	756	634	403
Wood and wood products, paper, publishing and printing	14 213	16 236	15 207	17 218	13 731	13 327
Sawmilling and planing of wood	916	868	877	1 008	788	791
Products of wood	2 069	2 113	2 195	2 268	1 496	1 755
Paper and paper products	7 207	8 336	7 627	8 826	7 971	7 423
Publishing	1 285	2 081	1 524	1 436	1 166	1 268
Printing, recorded media	2 737	2 838	2 984	3 680	2 310	2 089
Petroleum, chemical products, rubber and plastic products	36 317	41 816	42 604	43 765	39 789	37 890
Coke, petroleum products and nuclear fuel	8 249	8 077	9 087	9 715	9 909	9 281
Basic chemicals	8 310	10 842	11 047	10 809	10 246	9 307
Other chemical products	11 087	13 844	12 950	13 047	11 903	11 486
Rubber products	1 532	1 593	1 768	1 723	1 425	1 372
Plastic products	7 138	7 460	7 752	8 470	6 307	6 445
Glass and non-metallic mineral products	6 516	6 716	7 002	7 189	5 199	5 088
Glass and glass products	1 257	1 256	1 372	1 465	1 336	1 136
Non-metallic mineral products	5 258	5 460	5 630	5 724	3 863	3 952
Basic iron and steel, non-ferrous metal products, metal products and machinery	54 101	56 342	48 111	62 764	46 225	49 336
Basic iron and steel products	12 925	16 013	10 342	18 610	11 158	14 444
Non-ferrous metal products	19 128	16 437	17 718	18 837	16 171	16 695
Structural metal products	3 456	4 024	3 371	4 009	2 559	2 561
Other fabricated metal products	7 375	7 816	6 335	8 939	5 290	6 555
General purpose machinery	4 309	4 901	3 995	4 521	4 172	3 374
Special purpose machinery	5 749	5 971	5 172	6 499	5 740	4 568
Household appliances	1 160	1 181	1 178	1 349	1 135	1 139
Electrical machinery	5 380	5 614	5 313	6 402	4 934	4 665
Radio, television and communication apparatus and professional equipment	1 996	2 202	2 465	2 773	2 466	1 706
Radio, television and communication apparatus	1 048	1 190	1 343	1 597	1 502	804
Professional equipment	947	1 012	1 122	1 176	963	902
Motor vehicles, parts and accessories and other transport equipment	23 702	22 982	25 833	29 936	19 284	23 471
Motor vehicles	11 997	11 361	15 046	16 663	10 898	13 680
Bodies for motor vehicles, trailers and semi-trailers	1 271	1 310	1 260	1 373	879	897
Parts and accessories	7 860	7 397	6 719	8 549	4 802	6 611
Other transport equipment	2 574	2 915	2 808	3 352	2 706	2 282
Furniture and other manufacturing	8 469	8 710	9 171	9 751	9 421	6 211
Furniture	1 535	1 744	1 776	2 036	1 684	1 216
Other manufacturing groups	6 934	6 966	7 395	7 715	7 737	4 996
Total	210 625	222 299	220 266	248 357	207 789	195 738

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	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22
Food and beverages	15,1	10,0	3,8	11,8	6,4	26,8
Meat, fish, fruit, etc.	6,2	11,4	6,2	13,9	17,0	18,0
Dairy products	-1,6	-2,8	4,7	0,4	-7,5	5,2
Grain mill products	13,2	13,2	10,0	20,4	12,7	27,3
Other food products	15,7	11,1	-11,8	-4,9	-21,7	-16,0
Beverages	34,3	10,3	10,2	21,0	15,8	138,7
Textiles, clothing, leather and footwear	-0,3	3,3	8,0	9,9	8,6	3,9
Textiles	-3,0	-0,7	17,6	10,3	-0,7	14,1
Other textile products	18,0	16,7	6,8	10,6	14,7	-4,7
Knitted, crocheted articles	1,9	-11,9	9,4	15,1	-9,1	-5,0
Wearing apparel	-13,8	3,6	9,9	16,9	16,6	28,9
Leather and leather products	-7,2	-4,1	0,2	-17,3	-23,3	-20,0
Footwear	9,5	-8,5	0,3	8,0	20,1	-11,8
Wood and wood products, paper, publishing and printing	8,9	17,2	7,3	10,8	8,5	16,3
Sawmilling and planing of wood	-11,3	-12,1	-9,8	7,0	28,5	0,0
Products of wood	12,9	16,5	5,4	12,4	3,8	12,1
Paper and paper products	3,7	7,5	12,2	19,7	17,3	22,8
Publishing	0,2	49,5	13,9	-11,0	-13,0	31,7
Printing, recorded media	40,1	49,3	0,3	2,3	-6,4	-0,3
Petroleum, chemical products, rubber and plastic products	-2,1	10,0	5,0	4,9	13,7	12,6
Coke, petroleum products and nuclear fuel	-6,3	-0,2	15,0	16,5	29,3	14,1
Basic chemicals	1,6	16,7	13,2	6,9	28,4	15,6
Other chemical products	-13,2	9,5	-5,8	-7,9	-7,8	3,5
Rubber products	2,5	-5,4	0,4	2,2	23,4	4,8
Plastic products	22,4	18,4	4,6	14,0	19,6	27,7
Glass and non-metallic mineral products	11,1	6,5	-1,0	2,9	2,9	2,6
Glass and glass products	5,0	-5,0	-16,0	-8,2	8,3	-1,4
Non-metallic mineral products	12,6	9,6	3,4	6,1	1,2	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	34,2	23,7	1,2	28,7	18,6	21,2
Basic iron and steel products	42,3	78,4	15,3	86,3	44,5	54,6
Non-ferrous metal products	58,0	4,6	8,1	11,9	15,7	10,3
Structural metal products	13,8	29,9	-0,6	12,7	3,9	11,9
Other fabricated metal products	15,6	14,8	-17,1	27,3	2,5	16,2
General purpose machinery	6,4	9,3	-3,4	6,6	25,6	16,9
Special purpose machinery	22,1	8,8	-9,4	12,3	7,1	5,8
Household appliances	22,9	18,3	-8,0	1,6	14,3	4,4
Electrical machinery	14,4	8,4	-3,5	10,8	14,7	20,0
Radio, television and communication apparatus and professional equipment	5,5	4,5	-0,5	12,0	1,1	17,3
Radio, television and communication apparatus	17,5	18,4	-3,9	21,1	9,3	16,5
Professional equipment	-5,4	-8,3	3,9	1,6	-9,6	17,9
Motor vehicles, parts and accessories and other transport equipment	-10,8	-25,1	-30,2	-19,4	-2,4	-10,0
Motor vehicles	-27,8	-41,4	-35,3	-27,4	-1,0	-7,8
Bodies for motor vehicles, trailers and semi-trailers	15,7	14,2	0,7	-3,2	1,4	14,0
Parts and accessories	17,0	-4,9	-32,9	-16,8	-14,6	-21,8
Other transport equipment	21,8	21,5	13,1	33,4	19,3	14,4
Furniture and other manufacturing	22,2	33,6	11,1	15,2	24,3	9,3
Furniture	27,9	20,5	3,2	15,9	35,9	38,0
Other manufacturing groups	20,9	37,4	13,1	15,1	22,0	4,1
Total	11,4	8,6	-1,9	8,8	10,3	14,4

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

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

Manufacturing division and major group	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Month-on-month % change
Food and beverages	55 085	53 846	54 941	54 063	57 928	7,1
Meat, fish, fruit, etc.	15 655	15 585	15 814	16 643	17 367	4,4
Dairy products	4 432	4 549	4 596	4 324	4 663	7,8
Grain mill products	8 673	9 034	9 211	9 070	9 988	10,1
Other food products	11 272	9 485	9 981	9 244	9 712	5,1
Beverages	15 053	15 194	15 340	14 782	16 198	9,6
Textiles, clothing, leather and footwear	5 006	5 051	5 110	5 211	5 235	0,5
Textiles	763	781	741	837	862	3,0
Other textile products	1 495	1 492	1 526	1 510	1 411	-6,6
Knitted, crocheted articles	182	188	193	190	182	-4,2
Wearing apparel	1 521	1 593	1 690	1 713	1 792	4,6
Leather and leather products	464	446	407	401	417	4,0
Footwear	580	552	554	561	571	1,8
Wood and wood products, paper, publishing and printing	14 481	14 023	14 637	14 927	15 758	5,6
Sawmilling and planing of wood	831	810	942	1 128	897	-20,5
Products of wood	1 936	1 904	1 947	1 927	2 197	14,0
Paper and paper products	7 225	7 540	8 092	8 133	8 524	4,8
Publishing	1 734	1 268	1 131	1 165	1 535	31,8
Printing, recorded media	2 755	2 500	2 525	2 574	2 605	1,2
Petroleum, chemical products, rubber and plastic products	40 022	38 937	38 617	41 597	42 651	2,5
Coke, petroleum products and nuclear fuel	8 401	8 863	9 196	9 592	9 147	-4,6
Basic chemicals	9 989	9 901	9 377	10 873	10 486	-3,6
Other chemical products	13 213	11 944	11 514	12 002	13 391	11,6
Rubber products	1 507	1 617	1 564	1 830	1 714	-6,3
Plastic products	6 911	6 612	6 967	7 300	7 913	8,4
Glass and non-metallic mineral products	6 364	6 025	6 102	6 471	6 629	2,4
Glass and glass products	1 219	1 083	1 154	1 395	1 302	-6,7
Non-metallic mineral products	5 146	4 942	4 948	5 076	5 327	4,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	54 496	45 264	57 618	53 064	56 846	7,1
Basic iron and steel products	15 745	9 890	16 903	14 214	15 802	11,2
Non-ferrous metal products	16 347	16 775	18 132	16 625	17 448	5,0
Structural metal products	3 648	3 123	3 398	3 407	3 620	6,3
Other fabricated metal products	7 388	5 654	7 717	7 057	8 401	19,0
General purpose machinery	4 591	3 666	4 192	4 617	4 384	-5,0
Special purpose machinery	5 591	5 051	6 093	5 843	5 935	1,6
Household appliances	1 187	1 105	1 183	1 300	1 256	-3,4
Electrical machinery	5 209	4 935	5 500	5 900	5 941	0,7
Radio, television and communication apparatus and professional equipment	2 105	2 209	2 261	2 186	2 333	6,7
Radio, television and communication apparatus	1 131	1 171	1 217	1 240	1 171	-5,6
Professional equipment	975	1 038	1 043	946	1 162	22,8
Motor vehicles, parts and accessories and other transport equipment	23 231	22 676	25 768	28 431	29 740	4,6
Motor vehicles	11 911	12 415	14 258	16 896	17 926	6,1
Bodies for motor vehicles, trailers and semi-trailers	1 208	1 161	1 142	1 184	1 312	10,8
Parts and accessories	7 524	6 386	7 339	7 645	7 674	0,4
Other transport equipment	2 589	2 714	3 029	2 706	2 829	4,5
Furniture and other manufacturing	8 351	8 274	8 409	9 424	8 572	-9,0
Furniture	1 639	1 408	1 520	1 848	1 886	2,1
Other manufacturing groups	6 712	6 866	6 889	7 576	6 686	-11,7
Total	214 351	201 240	218 964	221 273	231 633	4,7

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 *Standard Industrial Classification of all Economic Activities* (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 *International Standard Industrial Classification of all Economic Activities* (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 62,2% for January 2022. The improved collection rate for December 2021 was 67,5%.
- 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 *Stats in Brief* 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 Seasonal adjustment Manufacturing June 2017](#)
- Note:** Owing to the impact of the COVID-19 lockdown, additive outlier and transitory change adjustments were applied to April 2020. Transitory (temporary) change describes a temporary effect on the level of a series after a certain point in time. The methodology will be reviewed as more data points are added to the time series.
- 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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