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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

August 2021

Please note that the weights for manufacturing production have been updated with effect from 2015, and the production indices have been revised accordingly. Please see the note on page 6 for further information, including comparisons of the previous and revised results.

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Production: results for August 2021

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

	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Year-on-year % change, unadjusted	5,2	101,8	38,1	11,9	-4,8	1,8
Month-on-month % change, seasonally adjusted	3,9	-1,1	-3,3	-0,5	-8,4	7,6
3-month % change, seasonally adjusted ¹	0,0	0,8	1,1	-1,4	-5,8	-6,3

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

Manufacturing production increased by 1,8% in August 2021 compared with August 2020. The largest positive contributions were made by the following divisions:

- food and beverages (9,7% and contributing 2,3 percentage points);
- motor vehicles, parts and accessories and other transport equipment (17,7% and contributing 1,4 percentage points);
- basic iron and steel, non-ferrous metal products, metal products and machinery (7,6% and contributing 1,4 percentage points);
- wood and wood products, paper, publishing and printing (12,5% and contributing 1,2 percentage points); and
- furniture and 'other' manufacturing (19,8% and contributing 0,8 of a percentage point).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-21,8% and contributing -5,6 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 7,6% in August 2021 compared with July 2021. This followed month-on-month changes of -8,4% in July 2021 and -0,5% in June 2021 – see Table A.

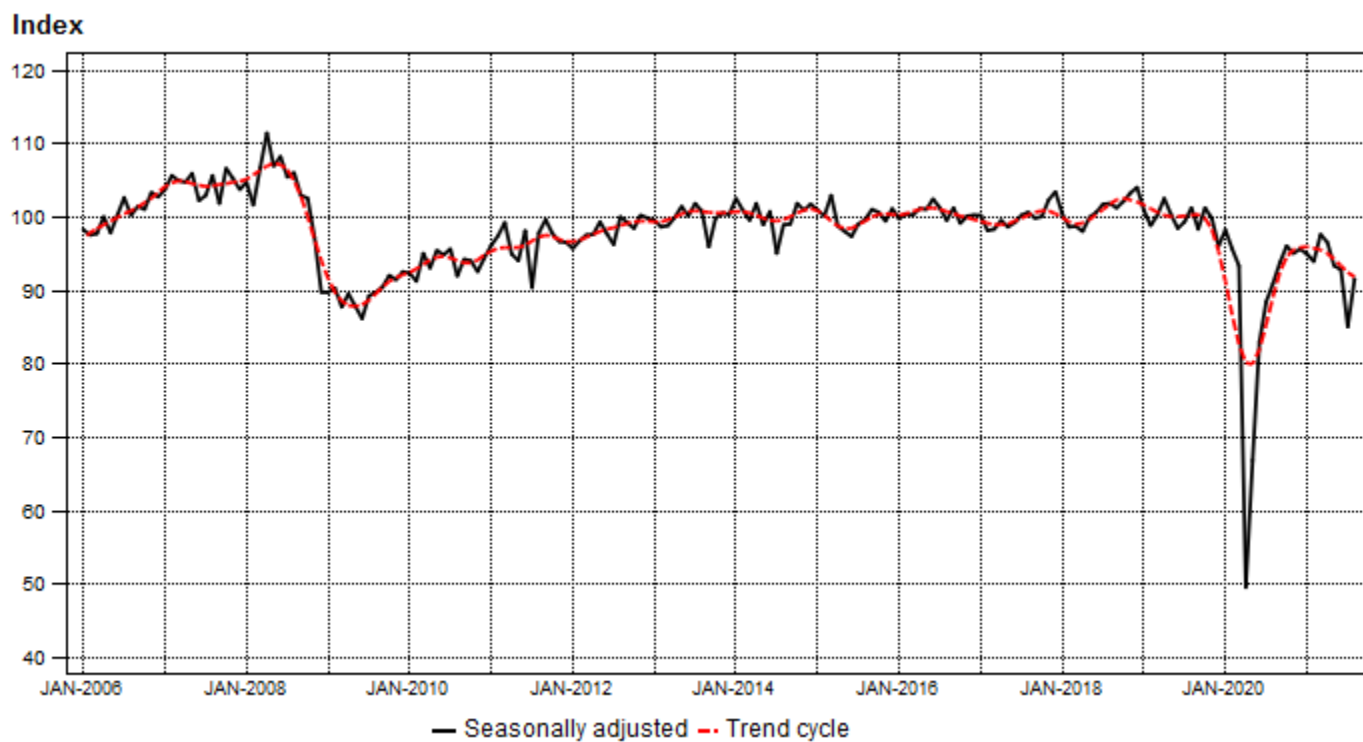
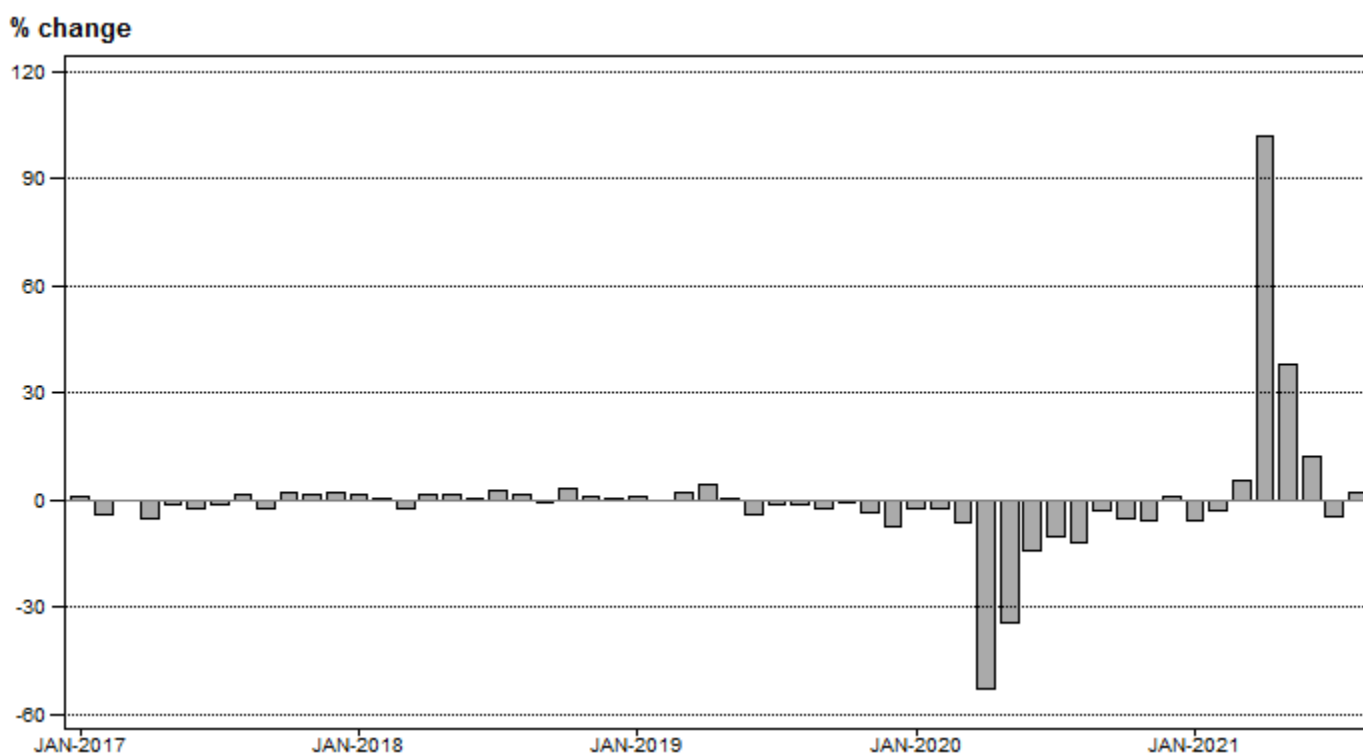
Seasonally adjusted manufacturing production decreased by 6,3% in the three months ended August 2021 compared with the previous three months. Nine of the ten manufacturing divisions reported negative growth rates over this period.

The largest negative contributions were made by the following divisions:

- food and beverages (-7,7% and contributing -1,9 percentage points);
- motor vehicles, parts and accessories and other transport equipment (-15,9% and contributing -1,7 percentage points); and
- petroleum, chemical products, rubber and plastic products (-7,4% and contributing -1,5 percentage points) – 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	Mar – May 2021	Jun – Aug 2021	% change between Mar – May 2021 and Jun – Aug 2021	Contribution (% points) to the total % change
Food and beverages	20,18	116,4	107,4	-7,7	-1,9
Meat, fish, fruit, etc.	2,95	104,0	102,7	-1,3	0,0
Dairy products	1,34	111,2	104,0	-6,5	-0,1
Grain mill products	1,69	95,7	96,1	0,4	0,0
Other food products	7,76	122,7	116,9	-4,7	-0,5
Beverages	6,44	120,9	101,9	-15,7	-1,3
Textiles, clothing, leather and footwear	4,38	81,5	75,5	-7,4	-0,3
Textiles	1,10	112,4	104,7	-6,9	-0,1
Other textile products	0,65	79,4	75,1	-5,4	0,0
Knitted, crocheted articles	0,06	63,5	63,3	-0,3	0,0
Wearing apparel	2,04	66,0	59,1	-10,5	-0,1
Leather and leather products	0,28	64,3	62,1	-3,4	0,0
Footwear	0,25	101,3	99,9	-1,4	0,0
Wood and wood products, paper, publishing and printing	10,77	88,3	85,1	-3,6	-0,4
Sawmilling and planing of wood	0,93	87,0	85,0	-2,3	0,0
Products of wood	0,87	101,3	97,8	-3,5	0,0
Paper and paper products	5,39	95,4	92,1	-3,5	-0,2
Publishing	2,24	66,1	63,1	-4,5	-0,1
Printing, recorded media	1,34	89,5	85,8	-4,1	-0,1
Petroleum, chemical products, rubber and plastic products	25,38	78,0	72,2	-7,4	-1,5
Coke, petroleum products and nuclear fuel	12,02	55,4	55,9	0,9	0,1
Basic chemicals	3,69	98,8	89,9	-9,0	-0,3
Other chemical products	6,54	98,3	82,8	-15,8	-1,1
Rubber products	0,84	92,4	84,1	-9,0	-0,1
Plastic products	2,29	99,9	94,5	-5,4	-0,1
Glass and non-metallic mineral products	3,42	94,0	89,0	-5,3	-0,2
Glass and glass products	0,51	116,5	101,5	-12,9	-0,1
Non-metallic mineral products	2,91	90,1	86,8	-3,7	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	98,7	97,1	-1,6	-0,3
Basic iron and steel products	2,82	95,6	106,5	11,4	0,3
Non-ferrous metal products	3,26	95,8	88,6	-7,5	-0,2
Structural metal products	1,98	84,8	79,7	-6,0	-0,1
Other fabricated metal products	3,35	104,4	99,9	-4,3	-0,2
General purpose machinery	3,46	98,8	99,2	0,4	0,0
Special purpose machinery	3,87	106,1	103,5	-2,5	-0,1
Household appliances	0,73	93,7	89,8	-4,2	0,0
Electrical machinery	2,31	79,2	78,0	-1,5	0,0
Radio, television and communication apparatus and professional equipment	1,21	81,7	73,9	-9,5	-0,1
Radio, television and communication apparatus	0,13	86,0	76,9	-10,6	0,0
Professional equipment	1,08	81,2	73,5	-9,5	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	118,0	99,2	-15,9	-1,7
Motor vehicles	2,65	105,9	66,8	-36,9	-1,1
Bodies for motor vehicles, trailers and semi-trailers	0,71	118,2	119,8	1,4	0,0
Parts and accessories	3,93	142,7	128,0	-10,3	-0,6
Other transport equipment	1,37	70,5	68,6	-2,7	0,0
Furniture and other manufacturing	4,21	96,8	99,1	2,4	0,1
Furniture	0,86	72,4	70,0	-3,3	0,0
Other manufacturing groups	3,35	103,1	106,6	3,4	0,1
Total	100	95,9	89,9	-6,3	-6,3

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 August 2021**Table C – Key growth rates in manufacturing sales at current prices**

	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Year-on-year % change, unadjusted	18,6	119,8	52,0	28,9	3,4	10,9
Month-on-month % change, seasonally adjusted	6,1	-2,4	-1,2	-0,2	-13,8	10,3
3-month % change, seasonally adjusted ¹	4,9	6,8	6,4	1,8	-5,5	-7,8

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

Seasonally adjusted manufacturing sales increased by 10,3% in August 2021 compared with July 2021. This followed month-on-month changes of -13,8% in July 2021 and -0,2% in June 2021 – see Table C.

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

Manufacturing division	Mar – May 2021 (R million)	Jun – Aug 2021 (R million)	% change between Mar – May 2021 and Jun – Aug 2021	Contribution (% points) to the total % change
Food and beverages	161 459	156 057	-3,3	-0,8
Textiles, clothing, leather and footwear	14 609	13 701	-6,2	-0,1
Wood and wood products, paper, publishing and printing	41 843	39 379	-5,9	-0,4
Petroleum, chemical products, rubber and plastic products	115 067	107 065	-7,0	-1,2
Glass and non-metallic mineral products	18 730	17 991	-3,9	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	160 402	152 622	-4,9	-1,2
Electrical machinery	14 939	15 010	0,5	0,0
Radio, television and communication apparatus and professional equipment	6 214	5 619	-9,6	-0,1
Motor vehicles, parts and accessories and other transport equipment	101 693	75 945	-25,3	-3,9
Furniture and other manufacturing	23 697	23 623	-0,3	0,0
Total	658 651	607 012	-7,8	-7,8

Risenga Maluleke
Statistician-General

Note – Reweighting of manufacturing production

Introduction

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

Reweighting

New high-level weights for the manufacturing groups and divisions have been calculated using value added from the latest rebasing and benchmarking of the national accounts, published on 25 August 2021. The new (updated) weights for manufacturing production have been implemented from January 2015. The first available three-year moving average based on the new and fully balanced supply and use tables is for the period 2013–2015. The existing base year of 2015 for manufacturing production (which is also the new base year for the national accounts) serves as a linking year for manufacturing production because its average is 100 using previous weights and using new (updated) weights.

The new weights are shown in Table E below and in more detail in Table G on page 22. The high-level weights are calculated as a three-year average of value added, e.g. the weights for 2016 are the average of value added for the three years 2014–2016, and the weights for 2017 are the average of value added for 2015–2017. The weights for 2018 (average for 2016–2018) are carried forward in subsequent years until value added information for 2019 becomes available from the national accounts supply and use tables. Historically, changes in manufacturing weights have been small, and the use of a moving average provides additional stability in the weights. The change in weights between 2014 and 2015 is larger than usual because of the latest national accounts rebasing and benchmarking (and the corresponding updating of weights from January 2015), but as stated above, the 2015 base year provides a smooth link (2015 = 100 on previous and new weights).

The impact of reweighting the index of manufacturing production is illustrated in Table F and Figures 3 and 4.

Table E – Weights for the manufacturing divisions

Manufacturing divisions	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
Textiles, clothing, leather and footwear	4,63	4,55	4,44	4,38
Wood and wood products, paper, publishing and printing	10,83	10,88	10,76	10,77
Petroleum, chemical products, rubber and plastic products	24,17	24,66	25,25	25,38
Glass and non-metallic mineral products	4,27	3,98	3,66	3,42
Basic iron and steel, non-ferrous metal and metal products and machinery	20,17	19,82	19,55	19,47
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
Motor vehicles, parts and accessories and other transport equipment	8,63	8,63	8,56	8,66
Furniture and other manufacturing	4,29	4,22	4,26	4,21
Total manufacturing	100	100	100	100

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

Manufacturing divisions	Calculated from previous weights			Calculated from new weights		
	2019	2020	2021 *	2019	2020	2021 *
Food and beverages	3,5	-4,1	7,3	4,0	-5,6	10,4
Textiles, clothing, leather and footwear	-6,4	-17,0	22,8	-6,1	-17,1	19,9
Wood and wood products, paper, publishing and printing	-5,0	-13,5	15,3	-5,0	-13,1	11,3
Petroleum, chemical products, rubber and plastic products	-1,5	-9,0	-8,0	-1,2	-11,2	-11,0
Glass and non-metallic mineral products	-6,7	-13,8	31,0	-7,6	-14,3	32,5
Basic iron and steel, non-ferrous metal and metal products and machinery	-1,9	-13,2	17,2	-1,6	-12,5	16,5
Electrical machinery	-3,9	-15,7	20,8	-4,3	-17,4	22,4
Radio, television and communication apparatus and professional equipment	-3,8	-11,1	5,0	-7,0	-7,4	4,5
Motor vehicles, parts and accessories and other transport equipment	-1,1	-25,5	59,9	-1,5	-24,6	61,2
Furniture and other manufacturing	-2,5	-20,3	30,2	-1,6	-19,1	31,0
Total manufacturing	-0,9	-10,9	11,4	-1,1	-12,3	11,6

* Up to August 2021.

Figure 3 – Comparison of the total manufacturing production index based on previous and new weights

Base 2015 = 100

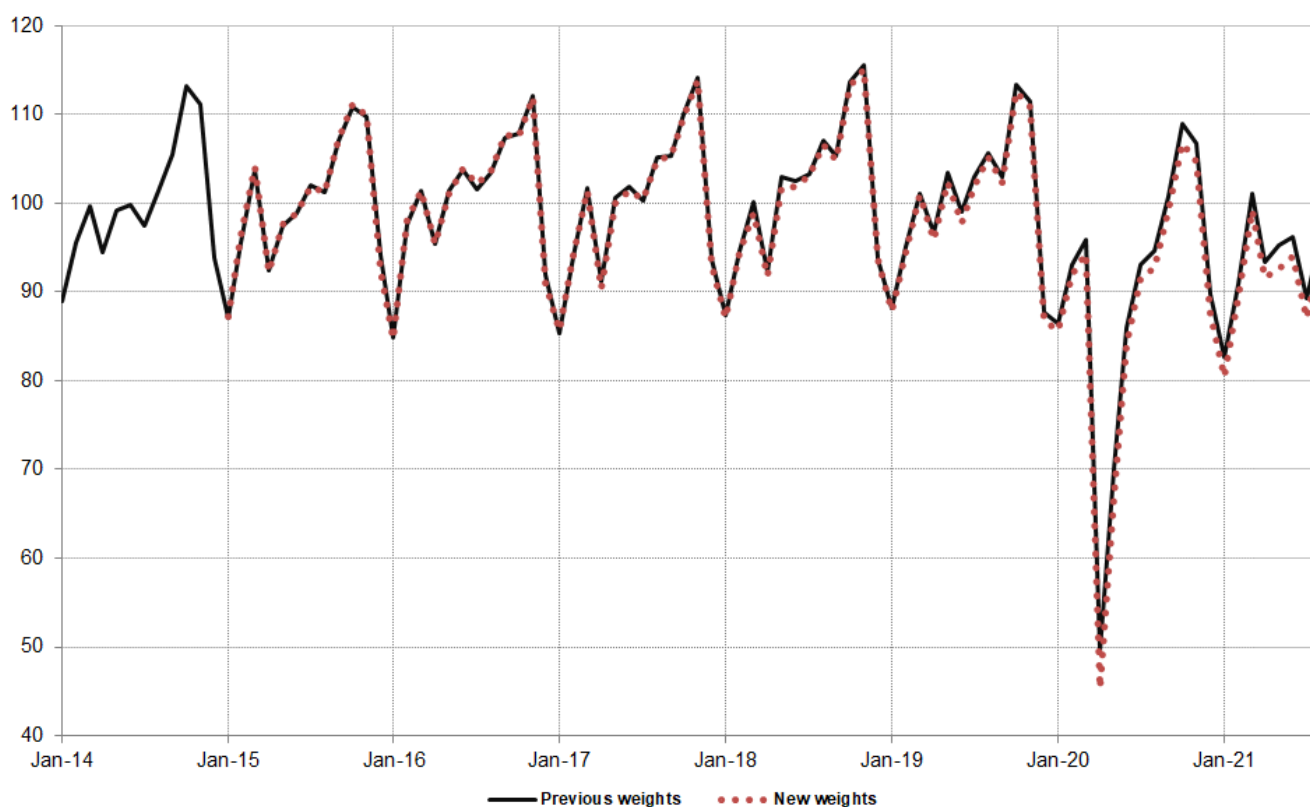
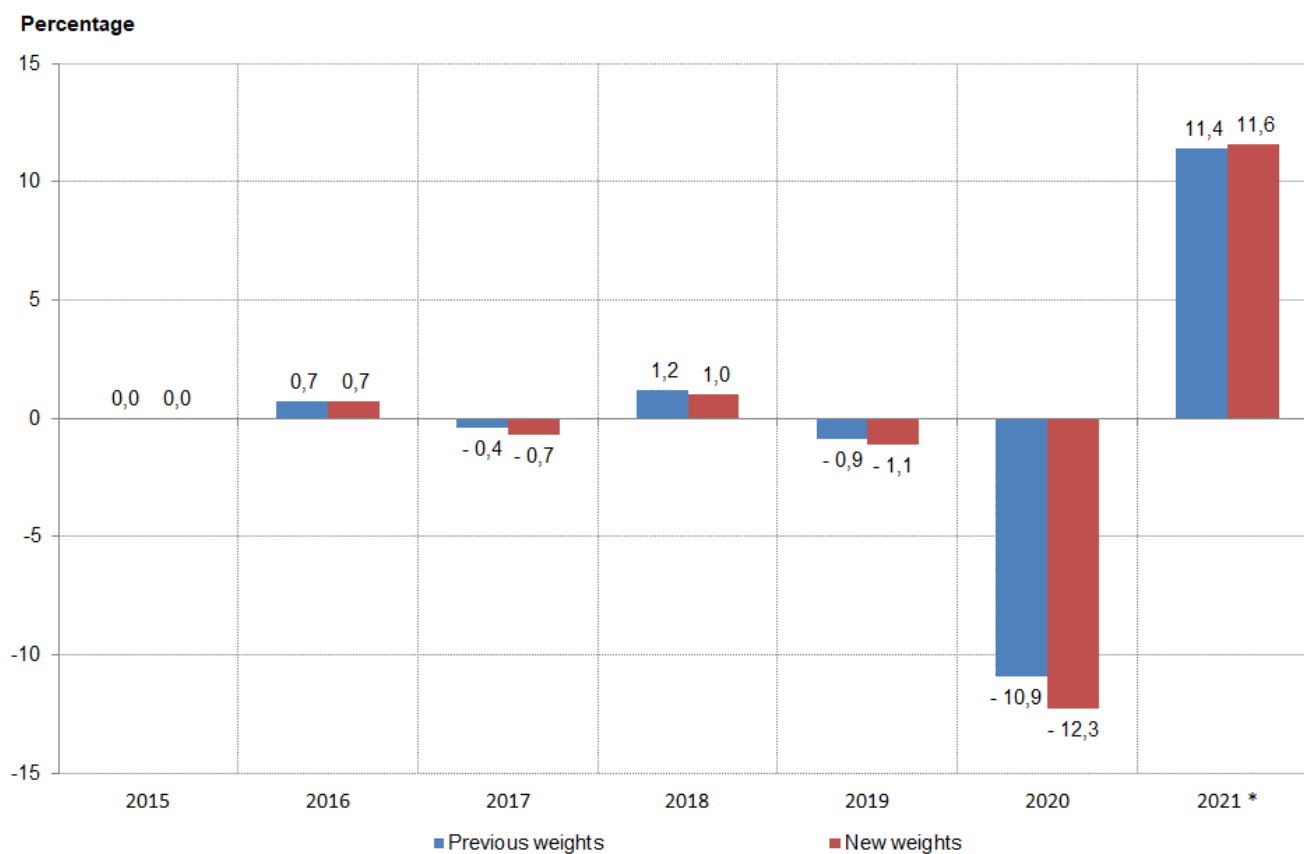


Figure 4 – Comparison of the annual growth rates for total manufacturing production index based on previous and new weights



* Up to August 2021.

Tables

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

Month	2015 *	2016 *	2017 *	2018 *	2019 *	2020 *	2021 ^{1*}
Jan	87,2	84,7	85,6	87,0	87,8	85,6	80,5
Feb	96,4	98,1	94,2	94,4	94,4	92,0	89,4
Mar	104,1	101,4	101,4	98,8	100,9	94,3	99,2
Apr	92,2	95,4	90,4	91,8	95,9	45,4	91,6
May	97,6	101,1	100,0	101,7	102,3	67,0	92,5
Jun	98,8	103,9	101,4	101,8	97,8	84,0	94,0
Jul	101,9	102,1	100,5	103,1	101,8	91,4	87,0
Aug	101,3	103,6	104,9	106,5	105,1	92,8	94,5
Sep	107,2	107,7	105,3	104,8	102,3	99,2	
Oct	111,1	107,5	109,7	113,2	112,5	106,8	
Nov	109,8	112,0	113,8	115,1	110,8	104,7	
Dec	92,4	91,0	93,1	93,6	86,8	87,5	
Total	100,0	100,7	100,0	101,0	99,9	87,6	

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	-2,9	1,1	1,6	0,9	-2,5	-6,0	-6,0
Feb	1,8	-4,0	0,2	0,0	-2,5	-2,8	-4,3
Mar	-2,6	0,0	-2,6	2,1	-6,5	5,2	-1,0
Apr	3,5	-5,2	1,5	4,5	-52,7	101,8	13,7
May	3,6	-1,1	1,7	0,6	-34,5	38,1	17,8
Jun	5,2	-2,4	0,4	-3,9	-14,1	11,9	16,8
Jul	0,2	-1,6	2,6	-1,3	-10,2	-4,8	13,3
Aug	2,3	1,3	1,5	-1,3	-11,7	1,8	11,6
Sep	0,5	-2,2	-0,5	-2,4	-3,0		
Oct	-3,2	2,0	3,2	-0,6	-5,1		
Nov	2,0	1,6	1,1	-3,7	-5,5		
Dec	-1,5	2,3	0,5	-7,3	0,8		
Total	0,7	-0,7	1,0	-1,1	-12,3		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	100,5	101,0	98,3	95,0	-2,9	-3,0	2,3	-0,7
Feb	98,7	98,9	95,7	94,0	-1,8	-2,1	-2,6	-1,1
Mar	98,8	100,3	93,4	97,7	0,1	1,4	-2,4	3,9
Apr	98,1	102,6	49,6	96,6	-0,7	2,3	-46,9	-1,1
May	100,0	100,4	66,9	93,4	1,9	-2,1	34,9	-3,3
Jun	100,7	98,5	83,0	92,9	0,7	-1,9	24,1	-0,5
Jul	101,8	99,4	88,5	85,1	1,1	0,9	6,6	-8,4
Aug	101,9	101,3	91,0	91,6	0,1	1,9	2,8	7,6
Sep	101,3	98,4	93,8		-0,6	-2,9	3,1	
Oct	102,2	101,3	96,1		0,9	2,9	2,5	
Nov	103,3	99,9	95,1		1,1	-1,4	-1,0	
Dec	104,1	96,1	95,7		0,8	-3,8	0,6	

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

Manufacturing division and major group	Weights	* Mar-21	* Apr-21	* May-21	¹ Jun-21	¹ Jul-21	¹ Aug-21
Food and beverages	20,18	115,8	107,9	111,0	111,5	96,4	118,8
Meat, fish, fruit, etc.	2,95	107,0	100,7	104,0	106,0	98,4	100,7
Dairy products	1,34	120,9	101,1	99,5	97,4	100,2	101,4
Grain mill products	1,69	95,2	90,7	97,3	94,5	101,0	100,3
Other food products	7,76	106,8	121,1	124,9	129,7	125,1	129,7
Beverages	6,44	135,1	101,2	103,5	99,4	58,9	122,4
Textiles, clothing, leather and footwear	4,38	85,0	80,9	75,5	79,1	74,9	82,3
Textiles	1,10	121,3	112,4	114,2	113,7	105,7	106,2
Other textile products	0,65	81,6	82,8	78,5	77,7	71,7	76,1
Knitted, crocheted articles	0,06	67,6	61,6	65,8	63,2	58,9	79,0
Wearing apparel	2,04	67,4	64,1	55,0	61,1	57,3	71,1
Leather and leather products	0,28	73,3	68,3	55,8	61,6	63,7	53,8
Footwear	0,25	95,5	93,1	89,4	101,8	108,6	116,8
Wood and wood products, paper, publishing and printing	10,77	86,8	79,6	82,5	88,0	79,1	92,6
Sawmilling and planing of wood	0,93	96,0	80,9	91,9	93,2	91,1	84,7
Products of wood	0,87	102,4	97,4	94,6	99,5	100,7	108,6
Paper and paper products	5,39	92,9	86,7	92,0	99,8	84,1	98,1
Publishing	2,24	64,0	56,5	52,1	57,9	56,0	72,8
Printing, recorded media	1,34	83,6	77,5	80,8	80,1	75,5	98,5
Petroleum, chemical products, rubber and plastic products	25,38	82,7	76,6	69,9	73,3	72,2	73,2
Coke, petroleum products and nuclear fuel	12,02	63,4	60,3	42,6	49,6	55,6	62,5
Basic chemicals	3,69	96,6	95,3	93,2	97,1	94,9	77,0
Other chemical products	6,54	100,0	88,7	96,5	93,9	82,0	76,7
Rubber products	0,84	108,9	81,6	94,6	97,9	81,9	93,4
Plastic products	2,29	102,4	95,3	90,2	91,3	90,7	106,1
Glass and non-metallic mineral products	3,42	97,4	88,5	94,3	94,3	93,5	96,8
Glass and glass products	0,51	112,0	99,2	115,3	93,8	104,7	107,8
Non-metallic mineral products	2,91	94,9	86,6	90,6	94,4	91,6	94,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	105,4	96,0	102,7	101,2	97,4	98,1
Basic iron and steel products	2,82	103,3	99,4	106,2	99,6	104,4	98,9
Non-ferrous metal products	3,26	101,4	95,4	98,1	95,7	87,0	86,1
Structural metal products	1,98	88,0	75,2	87,0	88,4	85,4	84,0
Other fabricated metal products	3,35	112,0	101,2	106,0	102,8	104,3	105,0
General purpose machinery	3,46	96,1	98,6	104,2	107,2	98,7	107,8
Special purpose machinery	3,87	124,0	98,6	107,8	108,1	103,8	101,4
Household appliances	0,73	93,1	91,7	101,9	93,9	78,2	91,7
Electrical machinery	2,31	82,0	77,4	81,4	82,8	77,1	87,7
Radio, television and communication apparatus and professional equipment	1,21	88,4	74,4	82,6	79,0	68,7	74,4
Radio, television and communication apparatus	0,13	91,1	70,5	82,3	75,5	63,2	84,9
Professional equipment	1,08	88,1	74,9	82,6	79,4	69,4	73,1
Motor vehicles, parts and accessories and other transport equipment	8,66	130,1	120,8	117,9	116,1	97,7	101,1
Motor vehicles	2,65	111,6	109,5	105,8	105,3	55,5	70,5
Bodies for motor vehicles, trailers and semi-trailers	0,71	118,9	123,8	121,9	134,3	123,3	121,1
Parts and accessories	3,93	160,5	147,9	144,3	136,3	130,4	131,0
Other transport equipment	1,37	84,2	63,3	63,2	69,6	72,0	64,2
Furniture and other manufacturing	4,21	87,9	80,5	91,7	98,1	100,2	102,3
Furniture	0,86	68,4	61,2	75,0	70,0	60,2	86,3
Other manufacturing groups	3,35	92,9	85,5	96,0	105,4	110,5	106,4
Total	100	99,2	91,6	92,5	94,0	87,0	94,5

¹ The latest three months are preliminary.

* Revised, see note on page 6.

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	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Food and beverages	14,4	39,6	30,7	7,3	-2,0	9,7
Meat, fish, fruit, etc.	-1,5	7,9	5,6	4,4	-5,6	-3,3
Dairy products	10,1	6,0	-1,3	-3,0	-7,0	-12,4
Grain mill products	-5,9	-6,8	2,1	-6,2	1,1	0,6
Other food products	9,3	14,9	11,3	8,0	-0,7	0,5
Beverages	35,0	272,1	161,4	14,1	-2,0	42,5
Textiles, clothing, leather and footwear	11,7	384,4	47,7	17,9	-8,4	-3,7
Textiles	38,8	697,2	100,4	20,8	-7,5	-3,7
Other textile products	-2,6	318,2	100,3	49,1	10,0	17,3
Knitted, crocheted articles	1,2	862,5	63,3	12,9	0,3	2,3
Wearing apparel	-1,6	286,1	-2,0	2,9	-20,6	-11,5
Leather and leather products	17,3	98,0	28,9	36,0	23,4	-4,4
Footwear	10,5	2 227,5	237,4	32,4	8,4	8,7
Wood and wood products, paper, publishing and printing	-1,3	63,1	28,3	18,9	0,4	12,5
Sawmilling and planing of wood	10,1	148,9	89,9	42,1	1,1	-5,3
Products of wood	7,2	231,3	74,9	18,6	3,8	7,4
Paper and paper products	-2,9	19,9	15,4	11,8	-4,2	12,1
Publishing	1,4	108,5	7,6	14,7	-2,8	6,0
Printing, recorded media	-10,5	423,6	72,3	55,8	29,1	47,5
Petroleum, chemical products, rubber and plastic products	-9,9	38,5	-0,3	-16,9	-24,1	-21,8
Coke, petroleum products and nuclear fuel	-25,8	53,8	-15,5	-38,6	-37,1	-27,8
Basic chemicals	-2,1	17,9	6,2	8,0	-3,6	-22,1
Other chemical products	5,0	23,5	3,0	-4,8	-19,8	-23,5
Rubber products	13,9	281,3	58,2	8,2	-15,3	-2,1
Plastic products	-1,3	48,7	10,7	-2,8	-12,9	3,7
Glass and non-metallic mineral products	24,7	565,4	106,3	18,6	0,2	8,5
Glass and glass products	22,9	131,8	67,8	8,3	-3,8	-11,2
Non-metallic mineral products	25,0	956,1	117,3	20,6	1,1	13,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	2,9	146,8	40,9	18,6	0,7	7,6
Basic iron and steel products	-9,2	337,9	71,0	41,1	36,8	21,9
Non-ferrous metal products	5,6	22,5	11,6	-0,7	-14,9	-12,1
Structural metal products	2,1	474,0	62,6	8,2	1,5	3,3
Other fabricated metal products	17,5	281,9	32,0	14,5	-6,2	1,7
General purpose machinery	0,1	190,0	51,5	17,9	-10,2	10,6
Special purpose machinery	3,2	103,7	33,9	28,7	10,9	19,9
Household appliances	-6,7	221,8	130,5	53,9	7,3	20,7
Electrical machinery	0,6	242,5	42,8	22,1	3,8	14,8
Radio, television and communication apparatus and professional equipment	-1,2	118,8	30,5	0,0	-17,8	-10,0
Radio, television and communication apparatus	-2,9	422,2	36,5	-5,6	-21,3	6,4
Professional equipment	-1,0	105,2	29,7	0,6	-17,4	-11,9
Motor vehicles, parts and accessories and other transport equipment	32,2	4 214,3	214,4	79,4	10,4	17,7
Motor vehicles	31,8	¹	255,0	88,7	-31,0	-8,2
Bodies for motor vehicles, trailers and semi-trailers	27,2	859,7	84,1	10,7	-5,2	-1,4
Parts and accessories	44,3	8 600,0	280,7	103,7	37,1	40,9
Other transport equipment	-7,4	955,0	73,6	51,0	13,7	0,3
Furniture and other manufacturing	0,6	470,9	107,5	77,4	45,2	19,8
Furniture	-7,7	595,5	252,1	56,3	7,5	5,5
Other manufacturing groups	2,3	455,2	91,2	81,7	52,6	23,1
Total	5,2	101,8	38,1	11,9	-4,8	1,8

¹ Changes from zero in the preceding period cannot be calculated as a percentage.

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

Manufacturing division and major group	Weights	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Food and beverages	20,18	3,1	13,6	7,9	1,8	-0,4	2,3
Meat, fish, fruit, etc.	2,95	-0,1	0,5	0,2	0,2	-0,2	-0,1
Dairy products	1,34	0,2	0,2	0,0	0,0	-0,1	-0,2
Grain mill products	1,69	-0,1	-0,2	0,1	-0,1	0,0	0,0
Other food products	7,76	0,7	2,7	1,5	0,9	-0,1	0,1
Beverages	6,44	2,4	10,5	6,1	0,9	-0,1	2,5
Textiles, clothing, leather and footwear	4,38	0,4	6,2	1,6	0,6	-0,3	-0,2
Textiles	1,10	0,4	2,4	0,9	0,3	-0,1	0,0
Other textile products	0,65	0,0	0,9	0,4	0,2	0,0	0,1
Knitted, crocheted articles	0,06	0,0	0,1	0,0	0,0	0,0	0,0
Wearing apparel	2,04	0,0	2,1	0,0	0,0	-0,3	-0,2
Leather and leather products	0,28	0,0	0,2	0,1	0,1	0,0	0,0
Footwear	0,25	0,0	0,5	0,2	0,1	0,0	0,0
Wood and wood products, paper, publishing and printing	10,77	-0,1	7,3	2,9	1,8	0,0	1,2
Sawmilling and planing of wood	0,93	0,1	1,0	0,6	0,3	0,0	0,0
Products of wood	0,87	0,1	1,3	0,5	0,2	0,0	0,1
Paper and paper products	5,39	-0,2	1,7	1,0	0,7	-0,2	0,6
Publishing	2,24	0,0	1,5	0,1	0,2	0,0	0,1
Printing, recorded media	1,34	-0,1	1,9	0,7	0,5	0,2	0,5
Petroleum, chemical products, rubber and plastic products	25,38	-2,4	11,9	-0,1	-4,5	-6,4	-5,6
Coke, petroleum products and nuclear fuel	12,02	-2,8	5,6	-1,4	-4,5	-4,3	-3,1
Basic chemicals	3,69	-0,1	1,2	0,3	0,3	-0,1	-0,9
Other chemical products	6,54	0,3	2,4	0,3	-0,4	-1,5	-1,7
Rubber products	0,84	0,1	1,1	0,4	0,1	-0,1	0,0
Plastic products	2,29	0,0	1,6	0,3	-0,1	-0,3	0,1
Glass and non-metallic mineral products	3,42	0,7	5,7	2,5	0,6	0,0	0,3
Glass and glass products	0,51	0,1	0,6	0,4	0,0	0,0	-0,1
Non-metallic mineral products	2,91	0,6	5,0	2,1	0,6	0,0	0,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	0,6	24,5	8,7	3,7	0,1	1,4
Basic iron and steel products	2,82	-0,3	4,8	1,9	1,0	0,9	0,5
Non-ferrous metal products	3,26	0,2	1,3	0,5	0,0	-0,5	-0,4
Structural metal products	1,98	0,0	2,7	1,0	0,2	0,0	0,1
Other fabricated metal products	3,35	0,6	5,5	1,3	0,5	-0,3	0,1
General purpose machinery	3,46	0,0	4,9	1,8	0,7	-0,4	0,4
Special purpose machinery	3,87	0,2	4,3	1,6	1,1	0,4	0,7
Household appliances	0,73	-0,1	1,0	0,6	0,3	0,0	0,1
Electrical machinery	2,31	0,0	2,8	0,8	0,4	0,1	0,3
Radio, television and communication apparatus and professional equipment	1,21	0,0	1,1	0,3	0,0	-0,2	-0,1
Radio, television and communication apparatus	0,13	0,0	0,2	0,0	0,0	0,0	0,0
Professional equipment	1,08	0,0	0,9	0,3	0,0	-0,2	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,66	2,9	22,5	10,4	5,3	0,9	1,4
Motor vehicles	2,65	0,8	6,4	3,0	1,6	-0,7	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,71	0,2	1,7	0,6	0,1	-0,1	0,0
Parts and accessories	3,93	2,1	12,7	6,2	3,2	1,5	1,6
Other transport equipment	1,37	-0,1	1,7	0,5	0,4	0,1	0,0
Furniture and other manufacturing	4,21	0,0	6,2	3,0	2,1	1,4	0,8
Furniture	0,86	-0,1	1,0	0,7	0,3	0,0	0,0
Other manufacturing groups	3,35	0,1	5,2	2,3	1,9	1,4	0,7
Total	100	5,2	101,8	38,1	11,9	-4,8	1,8

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	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Month-on-month % change
Food and beverages	20,18	114,9	114,5	111,3	96,6	114,4	18,4
Meat, fish, fruit, etc.	2,95	104,1	104,3	104,8	101,5	101,9	0,4
Dairy products	1,34	105,2	109,8	106,7	104,7	100,6	-3,9
Grain mill products	1,69	96,2	99,0	92,2	98,1	97,9	-0,2
Other food products	7,76	123,2	120,4	116,7	116,5	117,4	0,8
Beverages	6,44	116,7	117,1	113,6	68,4	123,6	80,7
Textiles, clothing, leather and footwear	4,38	82,6	77,8	80,5	70,1	75,9	8,3
Textiles	1,10	111,3	111,8	109,2	99,3	105,7	6,4
Other textile products	0,65	80,5	76,3	78,7	71,0	75,5	6,3
Knitted, crocheted articles	0,06	62,7	62,4	60,2	60,0	69,6	16,0
Wearing apparel	2,04	68,9	60,3	66,8	50,8	59,8	17,7
Leather and leather products	0,28	63,6	56,2	60,9	70,2	55,2	-21,4
Footwear	0,25	99,4	103,1	97,1	99,9	102,6	2,7
Wood and wood products, paper, publishing and printing	10,77	91,2	87,2	87,1	79,4	88,9	12,0
Sawmilling and planing of wood	0,93	84,8	87,7	91,8	81,9	81,4	-0,6
Products of wood	0,87	102,0	99,3	95,9	96,4	101,1	4,9
Paper and paper products	5,39	100,0	95,0	95,6	84,9	95,9	13,0
Publishing	2,24	67,9	62,7	62,2	60,3	66,7	10,6
Printing, recorded media	1,34	92,1	88,7	85,8	76,8	94,9	23,6
Petroleum, chemical products, rubber and plastic products	25,38	80,1	71,1	73,4	70,7	72,4	2,4
Coke, petroleum products and nuclear fuel	12,02	60,3	42,6	49,6	55,6	62,5	12,4
Basic chemicals	3,69	101,1	95,3	98,4	93,8	77,6	-17,3
Other chemical products	6,54	96,4	98,8	94,1	79,2	75,0	-5,3
Rubber products	0,84	87,0	87,7	88,7	73,3	90,4	23,3
Plastic products	2,29	101,4	96,0	93,5	87,8	102,1	16,3
Glass and non-metallic mineral products	3,42	92,0	93,0	88,5	87,3	91,2	4,5
Glass and glass products	0,51	110,9	117,7	99,6	104,4	100,4	-3,8
Non-metallic mineral products	2,91	88,7	88,7	86,6	84,3	89,6	6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,47	98,7	100,3	98,1	96,2	97,0	0,8
Basic iron and steel products	2,82	95,3	96,8	101,5	112,5	105,5	-6,2
Non-ferrous metal products	3,26	95,0	95,5	92,5	86,0	87,3	1,5
Structural metal products	1,98	81,6	86,3	81,4	77,5	80,2	3,5
Other fabricated metal products	3,35	104,5	104,1	101,1	98,7	100,0	1,3
General purpose machinery	3,46	100,5	101,0	98,7	97,6	101,2	3,7
Special purpose machinery	3,87	106,9	110,6	106,3	101,7	102,4	0,7
Household appliances	0,73	96,1	96,5	95,5	81,9	92,0	12,3
Electrical machinery	2,31	80,7	80,5	78,7	75,3	79,9	6,1
Radio, television and communication apparatus and professional equipment	1,21	80,3	84,4	77,7	69,3	74,6	7,6
Radio, television and communication apparatus	0,13	82,4	86,5	82,9	66,9	80,8	20,8
Professional equipment	1,08	80,0	84,1	77,1	69,6	73,9	6,2
Motor vehicles, parts and accessories and other transport equipment	8,66	119,9	113,4	113,1	88,7	95,9	8,1
Motor vehicles	2,65	107,7	100,5	101,2	38,1	61,0	60,1
Bodies for motor vehicles, trailers and semi-trailers	0,71	119,9	119,1	128,0	115,3	116,1	0,7
Parts and accessories	3,93	144,8	136,6	134,4	123,8	125,9	1,7
Other transport equipment	1,37	71,6	68,7	67,2	71,7	66,8	-6,8
Furniture and other manufacturing	4,21	96,6	96,6	100,0	97,4	100,0	2,7
Furniture	0,86	69,5	71,7	70,3	62,2	77,6	24,8
Other manufacturing groups	3,35	103,5	103,1	107,7	106,4	105,8	-0,6
Total	100	96,6	93,4	92,9	85,1	91,6	7,6

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

Month	2015	2016	2017	2018	2019	2020	2021 ¹
Jan	135 301	139 225	149 636	156 666	172 214	171 007	171 152
Feb	150 646	163 356	165 487	176 719	187 842	192 539	198 975
Mar	169 920	172 593	185 940	188 124	204 507	193 836	229 933
Apr	149 135	163 319	160 384	167 557	193 058	94 494	207 693
May	160 649	176 020	182 432	195 219	203 372	140 157	213 056
Jun	165 821	180 107	186 151	195 254	202 998	170 119	219 338
Jul	166 355	173 886	177 739	197 011	206 806	183 456	189 658
Aug	164 144	180 189	189 251	204 516	215 850	189 101	209 795
Sep	174 985	187 502	191 607	208 143	208 597	204 603	
Oct	181 669	186 919	200 251	224 904	226 883	224 572	
Nov	182 525	199 033	217 252	229 912	224 760	228 294	
Dec	157 693	165 055	175 645	184 356	178 414	188 434	
Total	1 958 843	2 087 204	2 181 775	2 328 381	2 425 301	2 180 612	

¹ The latest three months are preliminary.

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

Month	2016	2017	2018	2019	2020	2021	2021 year-to-date
Jan	2,9	7,5	4,7	9,9	-0,7	0,1	0,1
Feb	8,4	1,3	6,8	6,3	2,5	3,3	1,8
Mar	1,6	7,7	1,2	8,7	-5,2	18,6	7,7
Apr	9,5	-1,8	4,5	15,2	-51,1	119,8	23,9
May	9,6	3,6	7,0	4,2	-31,1	52,0	28,9
Jun	8,6	3,4	4,9	4,0	-16,2	28,9	28,9
Jul	4,5	2,2	10,8	5,0	-11,3	3,4	24,8
Aug	9,8	5,0	8,1	5,5	-12,4	10,9	22,8
Sep	7,2	2,2	8,6	0,2	-1,9		
Oct	2,9	7,1	12,3	0,9	-1,0		
Nov	9,0	9,2	5,8	-2,2	1,6		
Dec	4,7	6,4	5,0	-3,2	5,6		
Total	6,6	4,5	6,7	4,2	-10,1		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2018	2019	2020	2021	2018	2019	2020	2021
Jan	185 065	202 145	199 314	204 041	-3,2	-0,1	3,4	0,1
Feb	188 170	199 812	206 008	211 125	1,7	-1,2	3,4	3,5
Mar	187 540	201 919	190 762	223 943	-0,3	1,1	-7,4	6,1
Apr	178 901	206 383	101 884	218 638	-4,6	2,2	-46,6	-2,4
May	192 996	200 075	140 761	216 070	7,9	-3,1	38,2	-1,2
Jun	191 402	203 622	167 193	215 726	-0,8	1,8	18,8	-0,2
Jul	196 259	203 421	178 604	186 055	2,5	-0,1	6,8	-13,8
Aug	196 303	209 467	187 182	205 231	0,0	3,0	4,8	10,3
Sep	203 250	201 845	195 154		3,5	-3,6	4,3	
Oct	202 363	203 931	201 309		-0,4	1,0	3,2	
Nov	201 620	198 548	204 082		-0,4	-2,6	1,4	
Dec	202 271	192 729	203 838		0,3	-2,9	-0,1	

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

Manufacturing division and major group	Mar-21	Apr-21	May-21	¹ Jun-21	¹ Jul-21	¹ Aug-21
Food and beverages	54 665	50 527	51 394	51 067	45 828	56 220
Meat, fish, fruit, etc.	15 190	14 640	14 847	15 701	14 209	15 123
Dairy products	4 859	4 064	4 038	4 065	4 366	4 257
Grain mill products	8 396	7 698	8 276	8 159	8 633	8 645
Other food products	9 781	11 129	11 649	11 722	11 702	12 538
Beverages	16 440	12 995	12 584	11 419	6 917	15 657
Textiles, clothing, leather and footwear	4 983	4 844	4 592	4 636	4 485	4 878
Textiles	777	752	758	744	690	736
Other textile products	1 489	1 492	1 426	1 412	1 290	1 330
Knitted, crocheted articles	191	169	194	166	172	225
Wearing apparel	1 420	1 346	1 212	1 253	1 186	1 461
Leather and leather products	541	535	443	454	505	418
Footwear	564	550	559	607	642	708
Wood and wood products, paper, publishing and printing	13 773	12 438	13 252	14 152	12 105	14 001
Sawmilling and planing of wood	916	890	965	968	805	810
Products of wood	1 796	1 719	1 686	1 789	1 930	2 087
Paper and paper products	7 488	6 496	7 265	7 948	6 106	7 006
Publishing	1 154	1 008	933	1 069	987	1 301
Printing, recorded media	2 419	2 325	2 403	2 379	2 277	2 796
Petroleum, chemical products, rubber and plastic products	37 905	36 659	37 591	39 418	34 698	35 449
Coke, petroleum products and nuclear fuel	7 715	7 909	8 497	8 799	6 889	8 249
Basic chemicals	9 192	9 413	8 819	9 888	9 020	7 979
Other chemical products	12 954	11 787	12 415	12 737	11 124	10 458
Rubber products	1 641	1 443	1 561	1 675	1 433	1 536
Plastic products	6 403	6 107	6 299	6 318	6 232	7 227
Glass and non-metallic mineral products	6 402	5 773	6 302	6 419	6 221	6 451
Glass and glass products	1 253	1 102	1 162	1 211	1 137	1 258
Non-metallic mineral products	5 150	4 672	5 141	5 208	5 085	5 194
Basic iron and steel, non-ferrous metal products, metal products and machinery	60 198	49 457	52 153	54 991	48 390	53 796
Basic iron and steel products	12 633	12 174	11 947	13 180	11 585	12 918
Non-ferrous metal products	24 435	17 353	18 287	19 315	15 336	18 801
Structural metal products	3 806	2 826	3 445	3 722	3 379	3 397
Other fabricated metal products	7 333	6 796	7 076	7 189	7 093	7 452
General purpose machinery	4 146	3 929	4 228	4 367	4 002	4 330
Special purpose machinery	6 578	5 195	5 940	5 975	5 975	5 740
Household appliances	1 267	1 183	1 230	1 242	1 021	1 156
Electrical machinery	5 343	4 658	4 980	5 074	5 095	5 381
Radio, television and communication apparatus and professional equipment	2 296	1 792	2 016	1 933	1 650	1 988
Radio, television and communication apparatus	1 171	832	929	927	755	1 048
Professional equipment	1 125	960	1 087	1 007	895	940
Motor vehicles, parts and accessories and other transport equipment	36 162	34 496	33 097	33 661	22 989	23 431
Motor vehicles	20 683	20 762	19 470	20 763	11 096	12 099
Bodies for motor vehicles, trailers and semi-trailers	1 235	1 178	1 197	1 345	1 211	1 269
Parts and accessories	11 355	10 371	10 240	9 122	8 152	7 790
Other transport equipment	2 889	2 186	2 190	2 431	2 531	2 274
Furniture and other manufacturing	8 205	7 048	7 676	7 987	8 197	8 199
Furniture	1 227	1 084	1 307	1 235	1 344	1 539
Other manufacturing groups	6 978	5 964	6 369	6 752	6 853	6 660
Total	229 933	207 693	213 056	219 338	189 658	209 795

¹ The latest three months are preliminary.

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

Manufacturing division and major group	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Food and beverages	16,0	41,4	35,4	11,9	8,2	17,6
Meat, fish, fruit, etc.	10,0	27,1	17,7	17,7	1,8	7,4
Dairy products	8,5	7,2	-0,6	0,6	0,8	-4,0
Grain mill products	10,4	9,8	14,2	8,5	13,6	14,1
Other food products	0,9	10,2	25,6	22,9	20,3	15,4
Beverages	42,4	292,0	163,9	2,0	2,4	44,3
Textiles, clothing, leather and footwear	7,4	257,2	60,2	19,8	3,4	-0,5
Textiles	23,5	452,9	81,8	17,4	-9,8	-2,5
Other textile products	6,6	327,5	90,1	41,5	6,7	11,6
Knitted, crocheted articles	6,1	1 026,7	81,3	7,1	-0,6	6,6
Wearing apparel	-8,1	132,5	10,5	0,9	-2,7	-14,2
Leather and leather products	20,5	116,6	29,5	14,6	19,7	-2,6
Footwear	27,9	1 796,6	267,8	36,4	17,2	15,9
Wood and wood products, paper, publishing and printing	4,4	78,9	39,3	24,0	2,2	7,3
Sawmilling and planing of wood	15,5	155,0	94,2	25,6	-15,6	-21,6
Products of wood	8,9	195,9	81,9	15,9	15,9	13,9
Paper and paper products	6,8	26,8	21,8	16,8	-6,6	0,8
Publishing	4,2	105,3	17,5	20,7	2,8	1,5
Printing, recorded media	-8,3	467,1	80,7	69,3	32,3	43,1
Petroleum, chemical products, rubber and plastic products	4,2	59,9	26,1	14,2	-3,0	-4,4
Coke, petroleum products and nuclear fuel	-7,2	119,9	64,1	11,6	-15,6	-6,3
Basic chemicals	7,1	49,8	18,2	28,7	17,3	-2,5
Other chemical products	7,0	28,8	6,4	5,2	-12,3	-18,1
Rubber products	10,1	321,9	44,8	21,6	-8,4	2,8
Plastic products	9,0	71,8	42,2	15,9	9,6	23,9
Glass and non-metallic mineral products	26,1	825,2	92,0	33,2	6,8	10,0
Glass and glass products	37,4	295,0	78,8	50,6	-2,4	5,1
Non-metallic mineral products	23,6	1 258,1	95,3	29,7	9,2	11,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	35,1	173,9	52,5	42,9	16,2	33,4
Basic iron and steel products	32,5	266,8	61,3	52,3	32,6	42,2
Non-ferrous metal products	67,7	104,5	49,7	52,3	19,1	55,3
Structural metal products	22,5	364,0	82,4	30,8	13,8	11,8
Other fabricated metal products	22,3	310,1	50,5	31,3	5,1	16,8
General purpose machinery	6,3	198,1	42,9	26,9	-8,9	6,9
Special purpose machinery	7,5	123,1	33,8	31,7	19,7	21,9
Household appliances	-4,3	253,1	113,5	46,8	10,4	22,5
Electrical machinery	10,6	130,0	34,5	19,8	9,2	14,4
Radio, television and communication apparatus and professional equipment	4,8	211,7	35,7	3,2	-10,9	5,1
Radio, television and communication apparatus	1,8	416,8	26,2	4,9	-10,3	17,5
Professional equipment	8,2	131,9	44,9	1,8	-11,4	-6,1
Motor vehicles, parts and accessories and other transport equipment	26,2	593,5	141,0	59,9	-23,6	-11,8
Motor vehicles	17,8	391,3	125,7	55,6	-44,3	-27,2
Bodies for motor vehicles, trailers and semi-trailers	18,2	1 032,7	113,8	28,3	10,1	15,5
Parts and accessories	60,3	2 199,6	203,8	76,8	16,9	15,9
Other transport equipment	-2,6	1 032,6	86,2	62,7	21,8	7,6
Furniture and other manufacturing	14,1	452,4	113,2	88,2	62,3	18,3
Furniture	-5,3	647,6	237,7	61,9	40,7	28,3
Other manufacturing groups	18,3	427,3	98,2	94,0	67,4	16,2
Total	18,6	119,8	52,0	28,9	3,4	10,9

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

Manufacturing division and major group	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Food and beverages	3,9	15,7	9,6	3,2	1,9	4,4
Meat, fish, fruit, etc.	0,7	3,3	1,6	1,4	0,1	0,6
Dairy products	0,2	0,3	0,0	0,0	0,0	-0,1
Grain mill products	0,4	0,7	0,7	0,4	0,6	0,6
Other food products	0,0	1,1	1,7	1,3	1,1	0,9
Beverages	2,5	10,2	5,6	0,1	0,1	2,5
Textiles, clothing, leather and footwear	0,2	3,7	1,2	0,5	0,1	0,0
Textiles	0,1	0,7	0,2	0,1	0,0	0,0
Other textile products	0,0	1,2	0,5	0,2	0,0	0,1
Knitted, crocheted articles	0,0	0,2	0,1	0,0	0,0	0,0
Wearing apparel	-0,1	0,8	0,1	0,0	0,0	-0,1
Leather and leather products	0,0	0,3	0,1	0,0	0,0	0,0
Footwear	0,1	0,6	0,3	0,1	0,1	0,1
Wood and wood products, paper, publishing and printing	0,3	5,8	2,7	1,6	0,1	0,5
Sawmilling and planing of wood	0,1	0,6	0,3	0,1	-0,1	-0,1
Products of wood	0,1	1,2	0,5	0,1	0,1	0,1
Paper and paper products	0,2	1,5	0,9	0,7	-0,2	0,0
Publishing	0,0	0,5	0,1	0,1	0,0	0,0
Printing, recorded media	-0,1	2,0	0,8	0,6	0,3	0,4
Petroleum, chemical products, rubber and plastic products	0,8	14,5	5,6	2,9	-0,6	-0,9
Coke, petroleum products and nuclear fuel	-0,3	4,6	2,4	0,5	-0,7	-0,3
Basic chemicals	0,3	3,3	1,0	1,3	0,7	-0,1
Other chemical products	0,4	2,8	0,5	0,4	-0,9	-1,2
Rubber products	0,1	1,2	0,3	0,2	-0,1	0,0
Plastic products	0,3	2,7	1,3	0,5	0,3	0,7
Glass and non-metallic mineral products	0,7	5,4	2,2	0,9	0,2	0,3
Glass and glass products	0,2	0,9	0,4	0,2	0,0	0,0
Non-metallic mineral products	0,5	4,6	1,8	0,7	0,2	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	8,1	33,2	12,8	9,7	3,7	7,1
Basic iron and steel products	1,6	9,4	3,2	2,7	1,6	2,0
Non-ferrous metal products	5,1	9,4	4,3	3,9	1,3	3,5
Structural metal products	0,4	2,3	1,1	0,5	0,2	0,2
Other fabricated metal products	0,7	5,4	1,7	1,0	0,2	0,6
General purpose machinery	0,1	2,8	0,9	0,5	-0,2	0,1
Special purpose machinery	0,2	3,0	1,1	0,8	0,5	0,5
Household appliances	0,0	0,9	0,5	0,2	0,1	0,1
Electrical machinery	0,3	2,8	0,9	0,5	0,2	0,4
Radio, television and communication apparatus and professional equipment	0,1	1,3	0,4	0,0	-0,1	0,1
Radio, television and communication apparatus	0,0	0,7	0,1	0,0	0,0	0,1
Professional equipment	0,0	0,6	0,2	0,0	-0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	3,9	31,2	13,8	7,4	-3,9	-1,7
Motor vehicles	1,6	17,5	7,7	4,4	-4,8	-2,4
Bodies for motor vehicles, trailers and semi-trailers	0,1	1,1	0,5	0,2	0,1	0,1
Parts and accessories	2,2	10,5	4,9	2,3	0,6	0,6
Other transport equipment	0,0	2,1	0,7	0,6	0,2	0,1
Furniture and other manufacturing	0,5	6,1	2,9	2,2	1,7	0,7
Furniture	0,0	1,0	0,7	0,3	0,2	0,2
Other manufacturing groups	0,6	5,1	2,3	1,9	1,5	0,5
Total	18,6	119,8	52,0	28,9	3,4	10,9

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

Manufacturing division and major group	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Month-on-month % change
Food and beverages	53 335	54 128	52 787	47 320	55 950	18,2
Meat, fish, fruit, etc.	15 308	15 305	15 563	14 423	14 904	3,3
Dairy products	4 251	4 219	4 368	4 504	4 278	-5,0
Grain mill products	8 160	8 328	8 068	8 491	8 468	-0,3
Other food products	10 883	11 839	11 653	11 741	11 698	-0,4
Beverages	14 734	14 437	13 134	8 162	16 602	103,4
Textiles, clothing, leather and footwear	4 907	4 709	4 725	4 335	4 641	7,1
Textiles	757	752	729	664	693	4,4
Other textile products	1 448	1 398	1 402	1 241	1 324	6,7
Knitted, crocheted articles	166	180	162	166	212	27,7
Wearing apparel	1 391	1 289	1 351	1 089	1 321	21,3
Leather and leather products	511	446	454	534	446	-16,5
Footwear	633	644	627	642	644	0,3
Wood and wood products, paper, publishing and printing	14 271	13 821	13 889	12 249	13 241	8,1
Sawmilling and planing of wood	892	878	916	768	758	-1,3
Products of wood	1 810	1 770	1 631	1 862	1 922	3,2
Paper and paper products	7 629	7 445	7 561	6 257	6 720	7,4
Publishing	1 220	1 077	1 152	1 094	1 166	6,6
Printing, recorded media	2 720	2 651	2 630	2 268	2 674	17,9
Petroleum, chemical products, rubber and plastic products	39 150	38 069	38 488	34 084	34 493	1,2
Coke, petroleum products and nuclear fuel	8 213	8 106	8 051	6 544	7 764	18,6
Basic chemicals	9 992	8 901	9 671	9 050	8 010	-11,5
Other chemical products	12 847	12 936	12 706	10 966	10 145	-7,5
Rubber products	1 573	1 534	1 602	1 340	1 524	13,7
Plastic products	6 526	6 591	6 458	6 184	7 050	14,0
Glass and non-metallic mineral products	6 198	6 228	6 104	5 883	6 004	2,1
Glass and glass products	1 269	1 265	1 235	1 185	1 196	0,9
Non-metallic mineral products	4 929	4 963	4 869	4 699	4 808	2,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	51 669	51 337	52 354	47 744	52 524	10,0
Basic iron and steel products	12 445	11 236	11 922	11 761	12 636	7,4
Non-ferrous metal products	17 884	18 311	18 926	15 347	18 530	20,7
Structural metal products	3 135	3 416	3 347	3 150	3 242	2,9
Other fabricated metal products	7 092	7 030	7 004	6 542	7 004	7,1
General purpose machinery	4 067	4 041	4 073	3 979	4 040	1,5
Special purpose machinery	5 822	6 092	5 890	5 896	5 858	-0,6
Household appliances	1 223	1 211	1 192	1 068	1 215	13,8
Electrical machinery	5 094	4 963	4 959	4 928	5 123	4,0
Radio, television and communication apparatus and professional equipment	2 016	2 053	1 961	1 721	1 937	12,6
Radio, television and communication apparatus	1 008	972	983	833	985	18,2
Professional equipment	1 007	1 081	978	888	952	7,2
Motor vehicles, parts and accessories and other transport equipment	34 443	32 966	32 669	19 879	23 397	17,7
Motor vehicles	20 560	19 640	20 107	8 675	12 099	39,5
Bodies for motor vehicles, trailers and semi-trailers	1 162	1 172	1 228	1 148	1 214	5,7
Parts and accessories	10 256	9 709	9 058	7 550	7 773	3,0
Other transport equipment	2 465	2 446	2 276	2 506	2 311	-7,8
Furniture and other manufacturing	7 556	7 795	7 789	7 913	7 921	0,1
Furniture	1 215	1 329	1 236	1 347	1 476	9,6
Other manufacturing groups	6 342	6 466	6 553	6 566	6 445	-1,8
Total	218 638	216 070	215 726	186 055	205 231	10,3

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 62,7% for August 2021. The improved collection rate for July 2021 was 66,7%.
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 G – 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 <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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