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## **STATISTICAL RELEASE**

### **P3041.2**

# **Manufacturing: Production and sales (Preliminary)**

**July 2021**

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

The results in the next publication (August 2021) will be updated with revised weights based on national accounts value added data for 2016–2018.

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**Production: results for July 2021****Table A – Key growth rates in the volume of manufacturing production**

	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
Year-on-year % change, unadjusted	-2,5	5,4	88,3	36,0	11,9	-4,1
Month-on-month % change, seasonally adjusted	-1,4	3,7	-1,3	-2,4	-1,3	-8,0
3-month % change, seasonally adjusted <sup>1</sup>	0,3	0,2	0,7	0,9	-1,4	-5,5

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production decreased by 4,1% in July 2021 compared with July 2020. The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-23,2% and contributing -5,4 percentage points); and
- food and beverages (-2,0% and contributing -0,6 of a percentage point).

The largest positive contributions were made by the following divisions:

- furniture and 'other' manufacturing (41,2% and contributing 0,9 of a percentage point);
- basic iron and steel, non-ferrous metal products, metal products and machinery (3,6% and contributing 0,7 of a percentage point); and
- motor vehicles, parts and accessories and other transport equipment (6,1% and contributing 0,5 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 8,0% in July 2021 compared with June 2021. This followed month-on-month changes of -1,3% in June 2021 and -2,4% in May 2021 – see Table A.

Seasonally adjusted manufacturing production decreased by 5,5% in the three months ended July 2021 compared with the previous three months. Seven of the ten manufacturing divisions reported negative growth rates over this period.

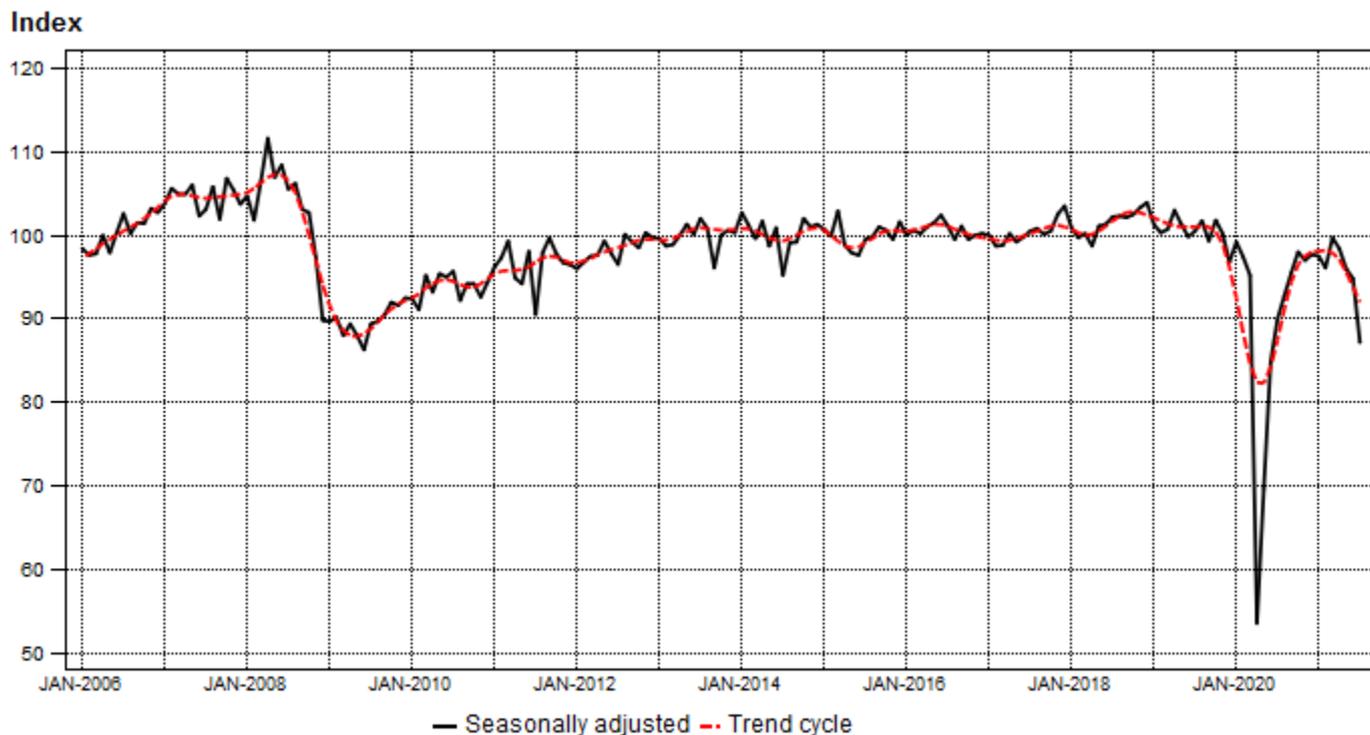
The largest negative contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (-11,3% and contributing -2,2 percentage points);
- food and beverages (-5,6% and contributing -1,7 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (-12,9% and contributing -1,2 percentage points) – see Table B.

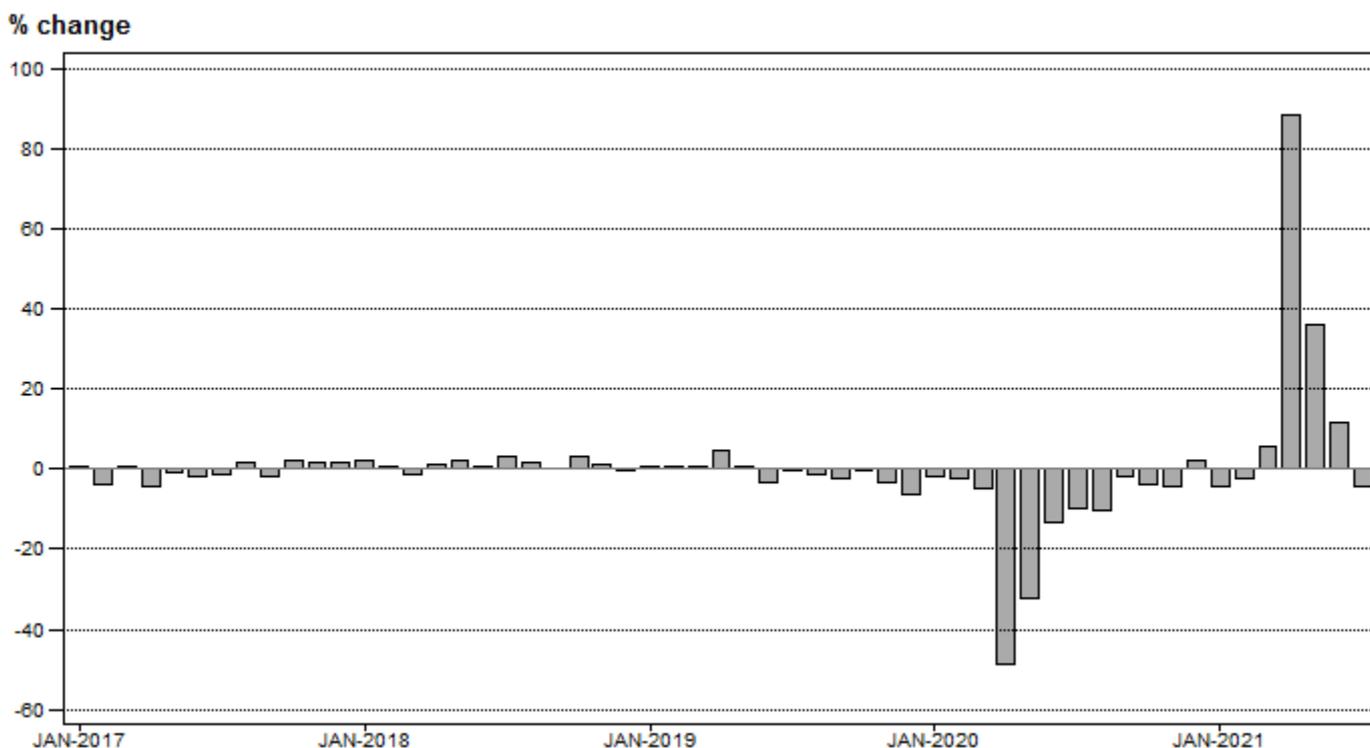
**Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)**

Manufacturing division and major group	Weights	Feb – Apr 2021	May – Jul 2021	% change between Feb – Apr 2021 and May – Jul 2021	Contribution (% points) to the total % change
<b>Food and beverages</b>	<b>27,14</b>	<b>112,7</b>	<b>106,4</b>	<b>-5,6</b>	<b>-1,7</b>
Meat, fish, fruit, etc.	6,75	103,9	103,9	0,0	0,0
Dairy products	2,27	112,2	107,4	-4,3	-0,1
Grain mill products	3,55	94,6	96,6	2,1	0,1
Other food products	8,45	121,1	117,5	-3,0	-0,3
Beverages	6,12	121,3	99,1	-18,3	-1,4
<b>Textiles, clothing, leather and footwear</b>	<b>3,08</b>	<b>83,4</b>	<b>77,3</b>	<b>-7,3</b>	<b>-0,2</b>
Textiles	0,77	108,6	106,0	-2,4	0,0
Other textile products	0,39	80,0	74,5	-6,9	0,0
Knitted, crocheted articles	0,09	64,0	57,8	-9,7	0,0
Wearing apparel	1,02	69,1	59,0	-14,6	-0,1
Leather and leather products	0,46	66,6	59,4	-10,8	0,0
Footwear	0,35	100,2	99,3	-0,9	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,46</b>	<b>90,6</b>	<b>86,9</b>	<b>-4,1</b>	<b>-0,4</b>
Sawmilling and planing of wood	1,74	87,6	87,3	-0,3	0,0
Products of wood	2,61	101,9	96,8	-5,0	-0,1
Paper and paper products	4,13	93,8	91,0	-3,0	-0,1
Publishing	1,43	67,4	59,5	-11,7	-0,1
Printing, recorded media	1,55	88,0	83,8	-4,8	-0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,52</b>	<b>85,3</b>	<b>75,7</b>	<b>-11,3</b>	<b>-2,2</b>
Coke, petroleum products and nuclear fuel	8,34	61,4	49,3	-19,7	-1,0
Basic chemicals	4,15	100,6	93,7	-6,9	-0,3
Other chemical products	6,15	98,2	91,0	-7,3	-0,5
Rubber products	1,19	95,6	82,7	-13,5	-0,2
Plastic products	2,69	101,8	91,7	-9,9	-0,3
<b>Glass and non-metallic mineral products</b>	<b>3,06</b>	<b>96,0</b>	<b>90,8</b>	<b>-5,4</b>	<b>-0,2</b>
Glass and glass products	0,65	115,1	108,0	-6,2	0,0
Non-metallic mineral products	2,41	90,8	86,1	-5,2	-0,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,59</b>	<b>96,6</b>	<b>98,7</b>	<b>2,2</b>	<b>0,4</b>
Basic iron and steel products	3,49	91,3	103,8	13,7	0,4
Non-ferrous metal products	2,68	97,0	93,9	-3,2	-0,1
Structural metal products	2,02	83,0	81,5	-1,8	0,0
Other fabricated metal products	3,73	101,9	101,3	-0,6	0,0
General purpose machinery	2,57	97,6	98,5	0,9	0,0
Special purpose machinery	3,35	104,2	106,2	1,9	0,1
Household appliances	0,75	91,8	92,0	0,2	0,0
<b>Electrical machinery</b>	<b>1,64</b>	<b>76,4</b>	<b>76,7</b>	<b>0,4</b>	<b>0,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,52</b>	<b>82,2</b>	<b>78,4</b>	<b>-4,6</b>	<b>-0,1</b>
Radio, television and communication apparatus	0,91	84,3	78,6	-6,8	-0,1
Professional equipment	0,61	79,1	78,2	-1,1	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>7,96</b>	<b>116,3</b>	<b>101,3</b>	<b>-12,9</b>	<b>-1,2</b>
Motor vehicles	3,03	105,9	79,7	-24,7	-0,8
Bodies for motor vehicles, trailers and semi-trailers	0,49	118,8	121,6	2,4	0,0
Parts and accessories	3,21	142,7	130,4	-8,6	-0,4
Other transport equipment	1,23	71,9	70,2	-2,4	0,0
<b>Furniture and other manufacturing</b>	<b>3,03</b>	<b>88,3</b>	<b>91,7</b>	<b>3,9</b>	<b>0,1</b>
Furniture	1,06	72,4	67,1	-7,3	-0,1
Other manufacturing groups	1,97	96,9	104,9	8,3	0,2
<b>Total</b>	<b>100</b>	<b>98,1</b>	<b>92,7</b>	<b>-5,5</b>	<b>-5,5</b>

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

	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
Year-on-year % change, unadjusted	3,3	18,6	119,8	52,0	29,1	3,2
Month-on-month % change, seasonally adjusted	3,3	6,3	-2,4	-1,1	-0,6	-13,1
3-month % change, seasonally adjusted <sup>1</sup>	3,0	4,8	6,8	6,5	1,7	-5,4

<sup>1</sup> Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales decreased by 13,1% in July 2021 compared with June 2021. This followed month-on-month changes of -0,6% in June 2021 and -1,1% in May 2021 – see Table C.

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

Manufacturing division	Feb – Apr 2021 (R million)	May – Jul 2021 (R million)	% change between Feb – Apr 2021 and May – Jul 2021	Contribution (% points) to the total % change
Food and beverages	162 987	153 936	-5,6	-1,4
Textiles, clothing, leather and footwear	14 826	13 731	-7,4	-0,2
Wood and wood products, paper, publishing and printing	41 553	39 729	-4,4	-0,3
Petroleum, chemical products, rubber and plastic products	113 798	110 826	-2,6	-0,5
Glass and non-metallic mineral products	18 739	18 245	-2,6	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	154 894	151 373	-2,3	-0,5
Electrical machinery	14 938	14 706	-1,6	0,0
Radio, television and communication apparatus and professional equipment	6 166	5 792	-6,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	101 464	85 860	-15,4	-2,4
Furniture and other manufacturing	23 835	23 440	-1,7	-0,1
<b>Total</b>	<b>653 200</b>	<b>617 637</b>	<b>-5,4</b>	<b>-5,4</b>

**Risenga Maluleke**  
Statistician-General

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

**Business register and samples**

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2021, which replaces the previous sample that was drawn in April 2019. The sample was drawn from a business register of enterprises with an annual turnover of at least R1 717 025 and that are required to register with the South African Revenue Service (SARS) for value added tax.

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

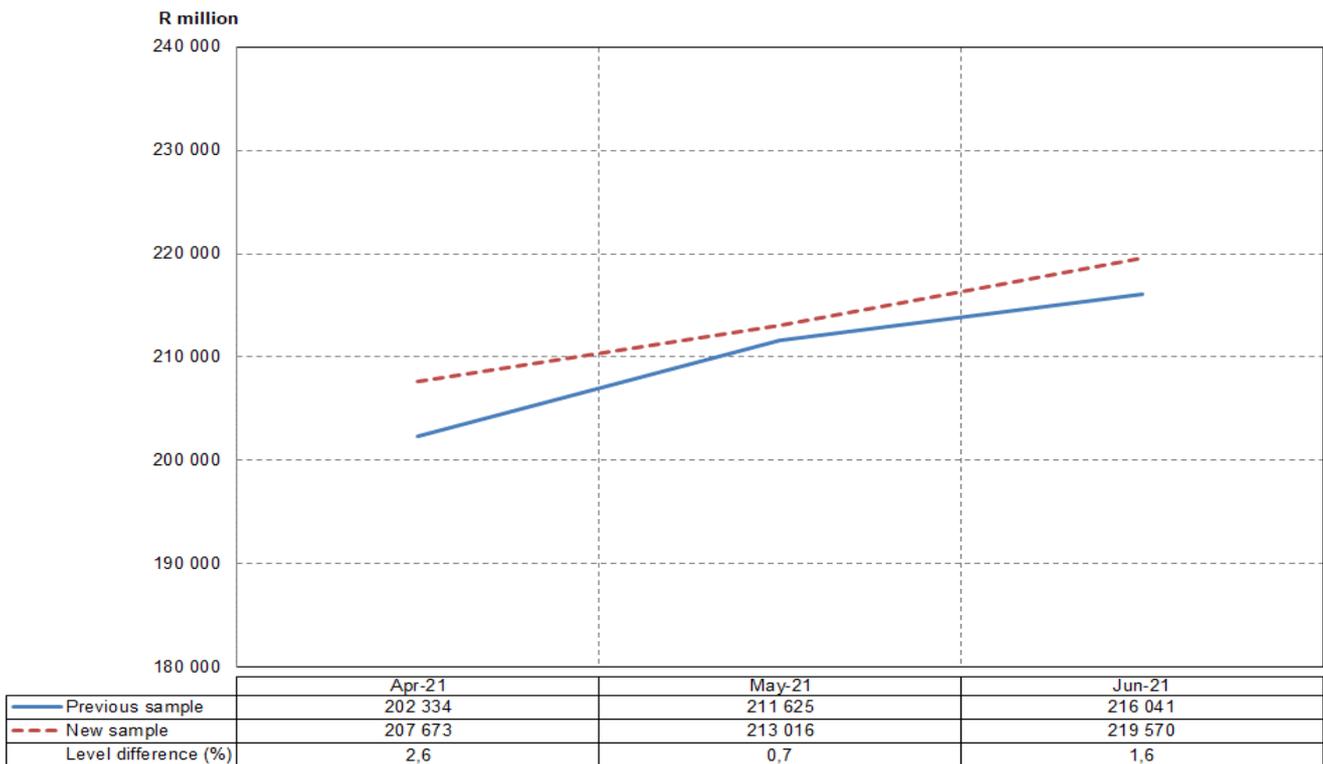
**Comparison of total sales between the previous and new samples of the manufacturing industry**

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2021 based on the new sample was 1,6% (R10 260 million) higher than the level of total sales recorded for the previous sample – see Table E and Figure A. The previous sample was drawn in April 2019 and was operational for the last half of 2019, 2020 and the first half of 2021.

**Table E – Total sales for previous and new samples for the manufacturing industry – April to June 2021**

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	629 999	640 259	10 260	1,6

**Figure A – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2021**



## Comparison of sales between the previous and new samples by division

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

**Table F – Manufacturing sales for previous and new samples by division: April to June 2021**

Manufacturing division	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) <sup>1</sup>
Food and beverages	153 424	152 992	-432	-0,3
Textiles, clothing, leather and footwear	13 847	14 061	214	1,5
Wood and wood products, paper, publishing and printing	40 445	39 857	-588	-1,5
Petroleum, chemical products, rubber and plastic products	113 884	113 643	-241	-0,2
Glass and non-metallic mineral products	18 012	18 500	488	2,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	156 772	156 638	-134	-0,1
Electrical machinery	14 131	14 679	548	3,9
Radio, television and communication apparatus and professional equipment	5 742	5 724	-18	-0,3
Motor vehicles, parts and accessories and other transport equipment	90 684	101 270	10 586	11,7
Furniture and other manufacturing	23 058	22 895	-163	-0,7
<b>Total manufacturing</b>	<b>629 999</b>	<b>640 259</b>	<b>10 260</b>	<b>1,6</b>

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

The largest percentage differences were in the following manufacturing divisions:

- motor vehicles, parts and accessories and other transport equipment (11,7% or R10 586 million higher in the new sample);
- electrical machinery (3,9% or R548 million higher in the new sample);
- glass and non-metallic mineral products (2,7% or R488 million higher in the new sample);
- wood and wood products, paper, publishing and printing (1,5% or R588 million lower in the new sample); and
- textiles, clothing, leather and footwear (1,5% or R214 million higher in the new sample).

## Backcasting

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

## Tables

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

Month	2015	2016	2017	2018	2019	2020	2021 <sup>1</sup>
Jan	87,0	84,8	85,3	87,3	88,1	86,4	82,7
Feb	95,6	97,6	94,0	94,6	95,1	93,1	90,8
Mar	103,8	101,4	101,7	100,2	101,0	95,9	101,1
Apr	92,4	95,4	91,1	92,3	96,6	49,6	93,4
May	97,4	101,4	100,6	103,0	103,4	70,0	95,2
Jun	98,8	103,8	101,9	102,5	99,0	85,9	96,1
Jul	102,0	101,5	100,3	103,3	102,9	93,0	89,2
Aug	101,2	103,5	105,2	107,0	105,6	94,6	
Sep	107,0	107,3	105,3	105,3	102,9	100,8	
Oct	110,9	107,8	110,1	113,7	113,3	108,9	
Nov	109,7	112,1	114,1	115,5	111,4	106,7	
Dec	94,1	92,0	93,7	93,6	87,7	89,8	
<b>Total</b>	<b>100,0</b>	<b>100,7</b>	<b>100,3</b>	<b>101,5</b>	<b>100,6</b>	<b>89,6</b>	

<sup>1</sup> The latest four months are preliminary.

**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	-2,5	0,6	2,3	0,9	-1,9	-4,3	-4,3
Feb	2,1	-3,7	0,6	0,5	-2,1	-2,5	-3,3
Mar	-2,3	0,3	-1,5	0,8	-5,0	5,4	-0,3
Apr	3,2	-4,5	1,3	4,7	-48,7	88,3	13,2
May	4,1	-0,8	2,4	0,4	-32,3	36,0	17,2
Jun	5,1	-1,8	0,6	-3,4	-13,2	11,9	16,2
Jul	-0,5	-1,2	3,0	-0,4	-9,6	-4,1	12,9
Aug	2,3	1,6	1,7	-1,3	-10,4		
Sep	0,3	-1,9	0,0	-2,3	-2,0		
Oct	-2,8	2,1	3,3	-0,4	-3,9		
Nov	2,2	1,8	1,2	-3,5	-4,2		
Dec	-2,2	1,8	-0,1	-6,3	2,4		
<b>Total</b>	<b>0,7</b>	<b>-0,4</b>	<b>1,2</b>	<b>-0,9</b>	<b>-10,9</b>		

**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	100,9	101,3	99,2	97,5	-2,5	-2,5	2,5	-0,2
Feb	99,7	100,3	97,4	96,1	-1,2	-1,0	-1,8	-1,4
Mar	100,2	100,7	95,2	99,7	0,5	0,4	-2,3	3,7
Apr	98,7	103,0	53,6	98,4	-1,5	2,3	-43,7	-1,3
May	101,1	101,3	69,7	96,0	2,4	-1,7	30,0	-2,4
Jun	101,3	99,8	84,9	94,8	0,2	-1,5	21,8	-1,3
Jul	102,2	100,5	90,0	87,2	0,9	0,7	6,0	-8,0
Aug	102,3	101,7	92,8		0,1	1,2	3,1	
Sep	102,1	99,3	95,5		-0,2	-2,4	2,9	
Oct	102,5	101,8	98,0		0,4	2,5	2,6	
Nov	103,3	100,2	97,0		0,8	-1,6	-1,0	
Dec	103,9	96,8	97,7		0,6	-3,4	0,7	

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

Manufacturing division and major group	Weights	Feb-21	Mar-21	<sup>1</sup> Apr-21	<sup>1</sup> May-21	<sup>1</sup> Jun-21	<sup>1</sup> Jul-21
<b>Food and beverages</b>	<b>27,14</b>	<b>98,1</b>	<b>112,9</b>	<b>105,9</b>	<b>109,1</b>	<b>109,5</b>	<b>98,8</b>
Meat, fish, fruit, etc.	6,75	98,1	107,0	100,7	103,9	106,0	99,9
Dairy products	2,27	101,1	120,9	101,0	99,5	97,4	99,8
Grain mill products	3,55	87,5	95,2	90,7	97,3	94,5	102,2
Other food products	8,45	92,4	106,8	121,1	124,9	129,3	125,0
Beverages	6,12	111,0	135,1	101,2	103,5	99,4	58,9
<b>Textiles, clothing, leather and footwear</b>	<b>3,08</b>	<b>79,5</b>	<b>86,8</b>	<b>81,4</b>	<b>77,5</b>	<b>79,5</b>	<b>76,5</b>
Textiles	0,77	104,8	121,3	112,4	114,2	113,2	104,2
Other textile products	0,39	79,9	81,6	81,9	78,5	77,7	69,4
Knitted, crocheted articles	0,09	62,6	67,6	61,6	65,8	61,7	54,9
Wearing apparel	1,02	67,1	67,4	61,5	56,3	56,7	60,7
Leather and leather products	0,46	60,8	73,3	68,3	55,8	61,6	52,0
Footwear	0,35	88,3	95,5	93,1	89,4	101,8	107,4
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,46</b>	<b>84,5</b>	<b>90,7</b>	<b>83,2</b>	<b>86,1</b>	<b>91,0</b>	<b>83,8</b>
Sawmilling and planing of wood	1,74	83,8	96,0	80,9	91,9	93,2	91,1
Products of wood	2,61	96,3	102,4	97,4	94,6	99,5	101,3
Paper and paper products	4,13	86,7	92,9	86,7	92,0	99,8	82,2
Publishing	1,43	63,8	64,0	56,5	52,1	59,4	55,1
Printing, recorded media	1,55	78,3	83,6	77,4	80,8	80,2	77,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,52</b>	<b>81,7</b>	<b>86,6</b>	<b>79,8</b>	<b>75,1</b>	<b>77,8</b>	<b>74,0</b>
Coke, petroleum products and nuclear fuel	8,34	60,5	63,4	60,3	42,6	49,1	56,1
Basic chemicals	4,15	90,1	96,6	95,3	93,3	97,1	87,0
Other chemical products	6,15	94,0	100,0	88,7	96,6	93,9	80,8
Rubber products	1,19	105,5	108,9	81,6	94,6	97,9	81,7
Plastic products	2,69	95,9	102,4	95,2	90,3	91,5	90,3
<b>Glass and non-metallic mineral products</b>	<b>3,06</b>	<b>87,2</b>	<b>98,5</b>	<b>89,3</b>	<b>95,9</b>	<b>94,0</b>	<b>94,0</b>
Glass and glass products	0,65	104,4	112,0	99,2	115,3	93,8	104,6
Non-metallic mineral products	2,41	82,5	94,9	86,6	90,6	94,0	91,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,59</b>	<b>91,4</b>	<b>105,4</b>	<b>96,1</b>	<b>102,9</b>	<b>100,6</b>	<b>98,9</b>
Basic iron and steel products	3,49	84,3	103,3	99,4	106,2	99,5	104,4
Non-ferrous metal products	2,68	92,3	101,4	95,4	98,1	95,7	93,4
Structural metal products	2,02	81,7	88,0	75,2	87,0	88,4	84,9
Other fabricated metal products	3,73	95,4	112,0	101,2	106,0	102,4	104,3
General purpose machinery	2,57	91,0	96,1	98,6	104,2	107,2	100,9
Special purpose machinery	3,35	99,8	124,0	99,2	108,5	107,4	102,7
Household appliances	0,75	90,5	93,1	91,8	102,0	94,0	79,8
<b>Electrical machinery</b>	<b>1,64</b>	<b>74,4</b>	<b>79,5</b>	<b>74,6</b>	<b>76,0</b>	<b>78,2</b>	<b>82,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,52</b>	<b>74,8</b>	<b>89,9</b>	<b>72,3</b>	<b>82,4</b>	<b>76,1</b>	<b>68,0</b>
Radio, television and communication apparatus	0,91	78,3	91,1	70,5	82,2	75,5	63,3
Professional equipment	0,61	69,6	88,1	74,9	82,6	77,1	75,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>7,96</b>	<b>112,5</b>	<b>127,5</b>	<b>118,7</b>	<b>115,7</b>	<b>114,4</b>	<b>92,1</b>
Motor vehicles	3,03	102,8	111,6	109,5	105,8	105,3	55,5
Bodies for motor vehicles, trailers and semi-trailers	0,49	118,1	118,9	123,8	121,9	134,3	125,0
Parts and accessories	3,21	138,3	160,5	147,9	144,3	137,2	128,1
Other transport equipment	1,23	66,6	84,2	63,3	63,2	69,6	75,0
<b>Furniture and other manufacturing</b>	<b>3,03</b>	<b>87,5</b>	<b>82,8</b>	<b>75,8</b>	<b>86,9</b>	<b>93,8</b>	<b>92,8</b>
Furniture	1,06	67,2	68,4	61,2	75,0	71,5	60,5
Other manufacturing groups	1,97	98,3	90,5	83,6	93,2	105,7	110,1
<b>Total</b>	<b>100</b>	<b>90,8</b>	<b>101,1</b>	<b>93,4</b>	<b>95,2</b>	<b>96,1</b>	<b>89,2</b>

<sup>1</sup> The latest four 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	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
<b>Food and beverages</b>	<b>-0,3</b>	<b>10,3</b>	<b>27,7</b>	<b>22,2</b>	<b>5,5</b>	<b>-2,0</b>
Meat, fish, fruit, etc.	-0,9	-1,5	7,9	5,5	4,4	-4,1
Dairy products	-0,5	10,1	5,9	-1,3	-3,0	-7,3
Grain mill products	-5,8	-5,9	-6,8	2,1	-6,2	2,3
Other food products	-1,1	9,3	14,9	11,3	7,7	-0,8
Beverages	4,1	35,0	272,1	161,4	14,1	-2,0
<b>Textiles, clothing, leather and footwear</b>	<b>3,9</b>	<b>13,9</b>	<b>370,5</b>	<b>59,8</b>	<b>18,7</b>	<b>-6,3</b>
Textiles	14,3	38,8	697,2	100,4	20,3	-8,8
Other textile products	-8,1	-2,6	313,6	100,3	49,1	6,4
Knitted, crocheted articles	-6,8	1,2	862,5	63,3	10,2	-6,5
Wearing apparel	-2,8	-1,6	270,5	0,4	-4,5	-15,9
Leather and leather products	-3,2	17,3	98,0	28,9	36,0	0,8
Footwear	20,5	10,5	2 227,5	237,4	32,4	7,2
<b>Wood and wood products, paper, publishing and printing</b>	<b>-1,1</b>	<b>0,8</b>	<b>93,0</b>	<b>41,6</b>	<b>22,1</b>	<b>1,6</b>
Sawmilling and planing of wood	-4,0	10,1	148,9	89,9	42,1	1,1
Products of wood	4,6	7,2	231,3	74,9	18,6	4,4
Paper and paper products	-0,5	-2,9	19,9	15,4	11,8	-6,4
Publishing	-2,0	1,4	108,5	7,6	17,6	-4,3
Printing, recorded media	-9,3	-10,5	423,0	72,3	56,0	31,8
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>-8,6</b>	<b>-7,1</b>	<b>38,1</b>	<b>2,5</b>	<b>-13,0</b>	<b>-23,2</b>
Coke, petroleum products and nuclear fuel	-26,2	-25,8	53,8	-15,5	-39,2	-36,5
Basic chemicals	3,1	-2,1	17,9	6,3	8,0	-11,6
Other chemical products	3,0	5,0	23,5	3,1	-4,8	-21,0
Rubber products	-9,6	13,9	281,3	58,2	8,2	-15,5
Plastic products	-3,5	-1,3	48,5	10,8	-2,6	-13,3
<b>Glass and non-metallic mineral products</b>	<b>7,5</b>	<b>24,5</b>	<b>472,4</b>	<b>101,9</b>	<b>17,4</b>	<b>-0,5</b>
Glass and glass products	0,6	22,9	131,8	67,8	8,3	-3,9
Non-metallic mineral products	10,0	25,0	956,1	117,3	20,1	0,6
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>-4,4</b>	<b>2,7</b>	<b>161,1</b>	<b>42,7</b>	<b>19,5</b>	<b>3,6</b>
Basic iron and steel products	-24,3	-9,2	337,9	71,0	40,9	36,8
Non-ferrous metal products	0,8	5,6	22,5	11,6	-0,7	-8,6
Structural metal products	-7,7	2,1	474,0	62,6	8,2	1,0
Other fabricated metal products	0,0	17,5	281,9	32,0	14,0	-6,2
General purpose machinery	0,1	0,1	190,0	51,5	17,9	-8,2
Special purpose machinery	10,8	3,2	105,0	34,8	27,9	9,7
Household appliances	-7,4	-6,7	222,1	130,8	54,1	9,5
<b>Electrical machinery</b>	<b>2,2</b>	<b>0,3</b>	<b>194,9</b>	<b>33,8</b>	<b>17,6</b>	<b>14,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>-11,6</b>	<b>-2,2</b>	<b>217,1</b>	<b>33,5</b>	<b>-4,4</b>	<b>-16,9</b>
Radio, television and communication apparatus	-15,5	-2,9	422,2	36,3	-5,6	-21,2
Professional equipment	-4,1	-1,0	105,2	29,7	-2,3	-10,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>9,6</b>	<b>31,6</b>	<b>4 845,8</b>	<b>218,7</b>	<b>82,2</b>	<b>6,1</b>
Motor vehicles	-2,6	31,8	<sup>1</sup>	255,0	88,7	-31,0
Bodies for motor vehicles, trailers and semi-trailers	29,1	27,2	859,7	84,1	10,7	-3,8
Parts and accessories	23,9	44,3	8 600,0	280,7	105,1	34,7
Other transport equipment	-12,7	-7,4	955,0	73,6	51,0	18,5
<b>Furniture and other manufacturing</b>	<b>-17,6</b>	<b>-1,2</b>	<b>492,2</b>	<b>121,1</b>	<b>78,7</b>	<b>41,2</b>
Furniture	-13,1	-7,7	595,5	252,1	59,6	8,0
Other manufacturing groups	-19,2	1,7	461,1	90,2	86,4	55,1
<b>Total</b>	<b>-2,5</b>	<b>5,4</b>	<b>88,3</b>	<b>36,0</b>	<b>11,9</b>	<b>-4,1</b>

<sup>1</sup> 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	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
<b>Food and beverages</b>	<b>27,14</b>	<b>-0,1</b>	<b>3,0</b>	<b>12,6</b>	<b>7,7</b>	<b>1,8</b>	<b>-0,6</b>
Meat, fish, fruit, etc.	6,75	-0,1	-0,1	1,0	0,5	0,4	-0,3
Dairy products	2,27	0,0	0,3	0,3	0,0	-0,1	-0,2
Grain mill products	3,55	-0,2	-0,2	-0,5	0,1	-0,3	0,1
Other food products	8,45	-0,1	0,8	2,7	1,5	0,9	-0,1
Beverages	6,12	0,3	2,2	9,1	5,6	0,9	-0,1
<b>Textiles, clothing, leather and footwear</b>	<b>3,08</b>	<b>0,1</b>	<b>0,3</b>	<b>4,0</b>	<b>1,3</b>	<b>0,4</b>	<b>-0,2</b>
Textiles	0,77	0,1	0,3	1,5	0,6	0,2	-0,1
Other textile products	0,39	0,0	0,0	0,5	0,2	0,1	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,1	0,0	0,0	0,0
Wearing apparel	1,02	0,0	0,0	0,9	0,0	0,0	-0,1
Leather and leather products	0,46	0,0	0,1	0,3	0,1	0,1	0,0
Footwear	0,35	0,1	0,0	0,6	0,3	0,1	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,46</b>	<b>-0,1</b>	<b>0,1</b>	<b>9,3</b>	<b>4,1</b>	<b>2,2</b>	<b>0,2</b>
Sawmilling and planing of wood	1,74	-0,1	0,2	1,7	1,1	0,6	0,0
Products of wood	2,61	0,1	0,2	3,6	1,5	0,5	0,1
Paper and paper products	4,13	0,0	-0,1	1,2	0,7	0,5	-0,2
Publishing	1,43	0,0	0,0	0,8	0,1	0,1	0,0
Printing, recorded media	1,55	-0,1	-0,2	2,0	0,8	0,5	0,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,52</b>	<b>-1,9</b>	<b>-1,5</b>	<b>10,0</b>	<b>0,6</b>	<b>-3,0</b>	<b>-5,4</b>
Coke, petroleum products and nuclear fuel	8,34	-1,9	-1,9	3,5	-0,9	-3,1	-2,9
Basic chemicals	4,15	0,1	-0,1	1,2	0,3	0,3	-0,5
Other chemical products	6,15	0,2	0,3	2,1	0,3	-0,3	-1,4
Rubber products	1,19	-0,1	0,2	1,4	0,6	0,1	-0,2
Plastic products	2,69	-0,1	0,0	1,7	0,3	-0,1	-0,4
<b>Glass and non-metallic mineral products</b>	<b>3,06</b>	<b>0,2</b>	<b>0,6</b>	<b>4,5</b>	<b>2,1</b>	<b>0,5</b>	<b>0,0</b>
Glass and glass products	0,65	0,0	0,1	0,7	0,4	0,1	0,0
Non-metallic mineral products	2,41	0,2	0,5	3,8	1,7	0,4	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,59</b>	<b>-0,8</b>	<b>0,5</b>	<b>22,2</b>	<b>8,2</b>	<b>3,5</b>	<b>0,7</b>
Basic iron and steel products	3,49	-1,0	-0,4	5,4	2,2	1,2	1,1
Non-ferrous metal products	2,68	0,0	0,2	0,9	0,4	0,0	-0,3
Structural metal products	2,02	-0,1	0,0	2,5	1,0	0,2	0,0
Other fabricated metal products	3,73	0,0	0,6	5,6	1,4	0,5	-0,3
General purpose machinery	2,57	0,0	0,0	3,3	1,3	0,5	-0,2
Special purpose machinery	3,35	0,3	0,1	3,4	1,3	0,9	0,3
Household appliances	0,75	-0,1	-0,1	1,0	0,6	0,3	0,1
<b>Electrical machinery</b>	<b>1,64</b>	<b>0,0</b>	<b>0,0</b>	<b>1,6</b>	<b>0,4</b>	<b>0,2</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,52</b>	<b>-0,2</b>	<b>0,0</b>	<b>1,5</b>	<b>0,4</b>	<b>-0,1</b>	<b>-0,2</b>
Radio, television and communication apparatus	0,91	-0,1	0,0	1,0	0,3	0,0	-0,2
Professional equipment	0,61	0,0	0,0	0,5	0,2	0,0	-0,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>7,96</b>	<b>0,8</b>	<b>2,5</b>	<b>18,7</b>	<b>9,0</b>	<b>4,8</b>	<b>0,5</b>
Motor vehicles	3,03	-0,1	0,8	6,7	3,3	1,7	-0,8
Bodies for motor vehicles, trailers and semi-trailers	0,49	0,1	0,1	1,1	0,4	0,1	0,0
Parts and accessories	3,21	0,9	1,7	9,5	4,9	2,6	1,1
Other transport equipment	1,23	-0,1	-0,1	1,4	0,5	0,3	0,2
<b>Furniture and other manufacturing</b>	<b>3,03</b>	<b>-0,6</b>	<b>0,0</b>	<b>3,8</b>	<b>2,1</b>	<b>1,5</b>	<b>0,9</b>
Furniture	1,06	-0,1	-0,1	1,1	0,8	0,3	0,1
Other manufacturing groups	1,97	-0,5	0,0	2,7	1,2	1,1	0,8
<b>Total</b>	<b>100</b>	<b>-2,5</b>	<b>5,4</b>	<b>88,3</b>	<b>36,0</b>	<b>11,9</b>	<b>-4,1</b>

**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	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Month-on-month % change
<b>Food and beverages</b>	<b>27,14</b>	<b>115,6</b>	<b>112,0</b>	<b>112,0</b>	<b>108,5</b>	<b>98,8</b>	<b>-8,9</b>
Meat, fish, fruit, etc.	6,75	103,3	104,1	104,3	105,0	102,5	-2,4
Dairy products	2,27	118,8	105,2	110,2	107,1	105,0	-2,0
Grain mill products	3,55	91,9	96,3	98,7	92,2	99,0	7,4
Other food products	8,45	124,8	123,5	120,8	115,8	115,9	0,1
Beverages	6,12	129,1	116,3	116,5	112,4	68,5	-39,1
<b>Textiles, clothing, leather and footwear</b>	<b>3,08</b>	<b>85,8</b>	<b>82,8</b>	<b>79,7</b>	<b>79,5</b>	<b>72,8</b>	<b>-8,4</b>
Textiles	0,77	114,3	111,2	111,7	108,8	97,6	-10,3
Other textile products	0,39	81,3	79,9	76,1	78,5	69,0	-12,1
Knitted, crocheted articles	0,09	65,2	61,8	60,9	57,8	54,6	-5,5
Wearing apparel	1,02	68,6	67,3	61,2	62,3	53,5	-14,1
Leather and leather products	0,46	73,0	63,6	56,4	60,5	61,2	1,2
Footwear	0,35	100,8	99,0	102,5	96,7	98,7	2,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,46</b>	<b>89,8</b>	<b>92,7</b>	<b>89,4</b>	<b>89,3</b>	<b>82,0</b>	<b>-8,2</b>
Sawmilling and planing of wood	1,74	88,6	85,0	88,0	91,8	82,2	-10,5
Products of wood	2,61	102,6	101,8	99,0	95,6	95,8	0,2
Paper and paper products	4,13	90,9	99,4	94,2	95,8	83,0	-13,4
Publishing	1,43	67,7	67,1	60,9	60,3	57,4	-4,8
Printing, recorded media	1,55	87,2	91,6	88,0	85,2	78,3	-8,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,52</b>	<b>86,8</b>	<b>84,1</b>	<b>76,5</b>	<b>77,9</b>	<b>72,8</b>	<b>-6,5</b>
Coke, petroleum products and nuclear fuel	8,34	63,4	60,3	42,6	49,1	56,1	14,3
Basic chemicals	4,15	100,1	101,5	95,9	99,0	86,2	-12,9
Other chemical products	6,15	99,8	96,5	99,0	94,1	80,0	-15,0
Rubber products	1,19	101,7	86,7	86,8	87,6	73,6	-16,0
Plastic products	2,69	102,2	101,1	95,4	92,8	86,9	-6,4
<b>Glass and non-metallic mineral products</b>	<b>3,06</b>	<b>98,8</b>	<b>93,4</b>	<b>94,8</b>	<b>89,0</b>	<b>88,5</b>	<b>-0,6</b>
Glass and glass products	0,65	121,1	111,1	117,9	99,8	106,3	6,5
Non-metallic mineral products	2,41	92,7	88,6	88,5	86,1	83,7	-2,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,59</b>	<b>97,2</b>	<b>98,7</b>	<b>100,3</b>	<b>98,4</b>	<b>97,3</b>	<b>-1,1</b>
Basic iron and steel products	3,49	95,1	95,7	97,5	102,3	111,7	9,2
Non-ferrous metal products	2,68	97,2	95,4	96,2	93,7	91,9	-1,9
Structural metal products	2,02	86,4	81,6	86,2	81,2	77,0	-5,2
Other fabricated metal products	3,73	104,8	104,5	104,2	100,8	98,8	-2,0
General purpose machinery	2,57	95,4	100,3	100,8	98,1	96,6	-1,5
Special purpose machinery	3,35	100,9	107,5	111,4	106,8	100,4	-6,0
Household appliances	0,75	88,6	96,0	96,3	95,3	84,3	-11,5
<b>Electrical machinery</b>	<b>1,64</b>	<b>74,0</b>	<b>77,7</b>	<b>76,1</b>	<b>75,2</b>	<b>78,7</b>	<b>4,7</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,52</b>	<b>85,2</b>	<b>81,4</b>	<b>85,3</b>	<b>79,9</b>	<b>70,1</b>	<b>-12,3</b>
Radio, television and communication apparatus	0,91	89,0	82,2	86,1	82,5	67,1	-18,7
Professional equipment	0,61	79,5	80,3	84,1	76,0	74,5	-2,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>7,96</b>	<b>119,2</b>	<b>118,2</b>	<b>111,4</b>	<b>111,1</b>	<b>81,3</b>	<b>-26,8</b>
Motor vehicles	3,03	109,5	107,7	100,4	101,0	37,7	-62,7
Bodies for motor vehicles, trailers and semi-trailers	0,49	115,9	120,4	119,6	127,9	117,3	-8,3
Parts and accessories	3,21	146,9	145,1	136,7	134,9	119,6	-11,3
Other transport equipment	1,23	72,4	72,9	69,3	67,3	74,1	10,1
<b>Furniture and other manufacturing</b>	<b>3,03</b>	<b>92,3</b>	<b>90,5</b>	<b>90,8</b>	<b>94,2</b>	<b>90,0</b>	<b>-4,5</b>
Furniture	1,06	75,9	69,1	71,3	69,5	60,6	-12,8
Other manufacturing groups	1,97	101,1	101,9	101,3	107,5	105,8	-1,6
<b>Total</b>	<b>100</b>	<b>99,7</b>	<b>98,4</b>	<b>96,0</b>	<b>94,8</b>	<b>87,2</b>	<b>-8,0</b>

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

Month	2015 *	2016 *	2017 *	2018 *	2019 *	2020 *	2021 <sup>1</sup> *
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	207 673
May	160 649	176 020	182 432	195 219	203 372	140 157	213 016
Jun	165 821	180 107	186 151	195 254	202 998	170 119	219 570
Jul	166 355	173 886	177 739	197 011	206 806	183 456	189 277
Aug	164 144	180 189	189 251	204 516	215 850	189 101	
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	
<b>Total</b>	<b>1 958 843</b>	<b>2 087 204</b>	<b>2 181 775</b>	<b>2 328 381</b>	<b>2 425 301</b>	<b>2 180 612</b>	

<sup>1</sup> The latest four months are preliminary.

\* Revised, see note on page 6.

**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	29,1	28,9
Jul	4,5	2,2	10,8	5,0	-11,3	3,2	24,8
Aug	9,8	5,0	8,1	5,5	-12,4		
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		
<b>Total</b>	<b>6,6</b>	<b>4,5</b>	<b>6,7</b>	<b>4,2</b>	<b>-10,1</b>		

**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	185 056	202 126	199 266	203 989	-3,2	-0,1	3,4	0,0
Feb	187 973	199 540	205 727	210 689	1,6	-1,3	3,2	3,3
Mar	187 518	201 854	190 659	223 952	-0,2	1,2	-7,3	6,3
Apr	178 872	206 369	101 810	218 559	-4,6	2,2	-46,6	-2,4
May	192 944	200 033	140 656	216 086	7,9	-3,1	38,2	-1,1
Jun	191 026	202 931	166 336	214 846	-1,0	1,4	18,3	-0,6
Jul	196 664	204 088	179 463	186 705	3,0	0,6	7,9	-13,1
Aug	196 453	209 736	187 460		-0,1	2,8	4,5	
Sep	203 321	201 873	195 141		3,5	-3,7	4,1	
Oct	202 425	204 022	201 483		-0,4	1,1	3,2	
Nov	201 605	198 551	203 944		-0,4	-2,7	1,2	
Dec	202 407	192 785	203 921		0,4	-2,9	0,0	

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

<b>Manufacturing division and major group</b>	<b>* Feb-21</b>	<b>* Mar-21</b>	<b>*<sup>1</sup> Apr-21</b>	<b><sup>1</sup> May-21</b>	<b><sup>1</sup> Jun-21</b>	<b><sup>1</sup> Jul-21</b>
<b>Food and beverages</b>	<b>50 420</b>	<b>54 665</b>	<b>50 505</b>	<b>51 380</b>	<b>51 108</b>	<b>45 840</b>
Meat, fish, fruit, etc.	13 231	15 190	14 638	14 846	15 705	14 337
Dairy products	3 976	4 859	4 064	4 038	4 066	4 340
Grain mill products	7 373	8 396	7 697	8 277	8 159	8 731
Other food products	9 656	9 781	11 110	11 634	11 758	11 514
Beverages	16 185	16 440	12 996	12 585	11 420	6 918
<b>Textiles, clothing, leather and footwear</b>	<b>4 582</b>	<b>4 983</b>	<b>4 840</b>	<b>4 595</b>	<b>4 626</b>	<b>4 422</b>
Textiles	724	777	752	758	737	680
Other textile products	1 417	1 489	1 492	1 427	1 412	1 247
Knitted, crocheted articles	169	191	169	194	167	152
Wearing apparel	1 299	1 420	1 342	1 214	1 251	1 295
Leather and leather products	455	541	534	443	453	413
Footwear	518	564	550	559	607	634
<b>Wood and wood products, paper, publishing and printing</b>	<b>12 803</b>	<b>13 773</b>	<b>12 436</b>	<b>13 251</b>	<b>14 169</b>	<b>12 000</b>
Sawmilling and planing of wood	832	916	890	965	968	805
Products of wood	1 676	1 796	1 719	1 686	1 789	1 950
Paper and paper products	6 763	7 488	6 496	7 265	7 949	5 960
Publishing	1 194	1 154	1 008	933	1 083	960
Printing, recorded media	2 338	2 419	2 323	2 402	2 380	2 326
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>33 675</b>	<b>37 905</b>	<b>36 608</b>	<b>37 611</b>	<b>39 423</b>	<b>34 665</b>
Coke, petroleum products and nuclear fuel	6 327	7 715	7 857	8 510	8 786	7 428
Basic chemicals	7 875	9 192	9 414	8 819	9 889	8 590
Other chemical products	11 840	12 954	11 790	12 418	12 743	10 961
Rubber products	1 717	1 641	1 443	1 561	1 675	1 430
Plastic products	5 916	6 403	6 104	6 303	6 331	6 256
<b>Glass and non-metallic mineral products</b>	<b>5 580</b>	<b>6 402</b>	<b>5 773</b>	<b>6 302</b>	<b>6 424</b>	<b>6 201</b>
Glass and glass products	1 138	1 253	1 102	1 162	1 211	1 136
Non-metallic mineral products	4 442	5 150	4 672	5 141	5 212	5 065
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>44 513</b>	<b>60 198</b>	<b>49 493</b>	<b>52 194</b>	<b>54 951</b>	<b>48 403</b>
Basic iron and steel products	9 260	12 633	12 174	11 945	13 180	11 582
Non-ferrous metal products	15 467	24 435	17 353	18 287	19 315	15 334
Structural metal products	3 121	3 806	2 826	3 445	3 722	3 355
Other fabricated metal products	6 279	7 333	6 796	7 076	7 190	7 232
General purpose machinery	3 717	4 146	3 929	4 228	4 367	4 120
Special purpose machinery	5 502	6 578	5 230	5 982	5 934	5 761
Household appliances	1 166	1 267	1 184	1 232	1 243	1 018
<b>Electrical machinery</b>	<b>5 049</b>	<b>5 343</b>	<b>4 630</b>	<b>4 940</b>	<b>5 109</b>	<b>5 007</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1 898</b>	<b>2 296</b>	<b>1 792</b>	<b>2 014</b>	<b>1 917</b>	<b>1 724</b>
Radio, television and communication apparatus	976	1 171	832	927	927	756
Professional equipment	922	1 125	960	1 087	990	968
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>32 630</b>	<b>36 162</b>	<b>34 526</b>	<b>33 091</b>	<b>33 653</b>	<b>23 188</b>
Motor vehicles	19 277	20 683	20 755	19 463	20 756	11 108
Bodies for motor vehicles, trailers and semi-trailers	1 140	1 235	1 178	1 197	1 345	1 249
Parts and accessories	9 956	11 355	10 407	10 241	9 121	8 195
Other transport equipment	2 257	2 889	2 186	2 190	2 431	2 637
<b>Furniture and other manufacturing</b>	<b>7 825</b>	<b>8 205</b>	<b>7 071</b>	<b>7 636</b>	<b>8 189</b>	<b>7 828</b>
Furniture	1 218	1 227	1 084	1 307	1 289	1 073
Other manufacturing groups	6 607	6 978	5 987	6 329	6 900	6 755
<b>Total</b>	<b>198 975</b>	<b>229 933</b>	<b>207 673</b>	<b>213 016</b>	<b>219 570</b>	<b>189 277</b>

<sup>1</sup> The latest four months are preliminary.

\* Revised, see note on page 6.

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

Manufacturing division and major group	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
<b>Food and beverages</b>	<b>11,3</b>	<b>16,0</b>	<b>41,4</b>	<b>35,3</b>	<b>12,0</b>	<b>8,2</b>
Meat, fish, fruit, etc.	10,0	10,0	27,1	17,7	17,7	2,7
Dairy products	-1,1	8,5	7,2	-0,6	0,6	0,2
Grain mill products	9,8	10,4	9,8	14,2	8,5	14,9
Other food products	-4,7	0,9	10,0	25,4	23,3	18,4
Beverages	30,3	42,4	292,0	163,9	2,0	2,4
<b>Textiles, clothing, leather and footwear</b>	<b>0,1</b>	<b>7,4</b>	<b>256,9</b>	<b>60,3</b>	<b>19,5</b>	<b>2,0</b>
Textiles	6,8	23,5	452,9	81,8	16,2	-11,1
Other textile products	-7,7	6,6	327,5	90,3	41,5	3,1
Knitted, crocheted articles	-8,6	6,1	1 026,7	81,3	7,7	-12,1
Wearing apparel	-3,3	-8,1	131,8	10,7	0,7	6,2
Leather and leather products	4,1	20,5	116,2	29,5	14,4	-2,1
Footwear	29,8	27,9	1 796,6	267,8	36,4	15,7
<b>Wood and wood products, paper, publishing and printing</b>	<b>1,6</b>	<b>4,4</b>	<b>78,9</b>	<b>39,3</b>	<b>24,2</b>	<b>1,4</b>
Sawmilling and planing of wood	-2,3	15,5	155,0	94,2	25,6	-15,6
Products of wood	3,6	8,9	195,9	81,9	15,9	17,1
Paper and paper products	4,1	6,8	26,8	21,8	16,8	-8,9
Publishing	1,2	4,2	105,3	17,5	22,2	0,0
Printing, recorded media	-4,8	-8,3	466,6	80,6	69,4	35,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>-7,8</b>	<b>4,2</b>	<b>59,7</b>	<b>26,1</b>	<b>14,2</b>	<b>-3,1</b>
Coke, petroleum products and nuclear fuel	-39,9	-7,2	118,5	64,4	11,4	-9,0
Basic chemicals	3,6	7,1	49,8	18,2	28,7	11,7
Other chemical products	6,0	7,0	28,8	6,4	5,2	-13,6
Rubber products	1,7	10,1	321,9	44,8	21,6	-8,6
Plastic products	6,7	9,0	71,7	42,3	16,1	10,0
<b>Glass and non-metallic mineral products</b>	<b>8,9</b>	<b>26,1</b>	<b>825,2</b>	<b>92,0</b>	<b>33,3</b>	<b>6,5</b>
Glass and glass products	11,1	37,4	295,0	78,8	50,6	-2,5
Non-metallic mineral products	8,3	23,6	1 258,1	95,3	29,8	8,7
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>2,9</b>	<b>35,1</b>	<b>174,1</b>	<b>52,7</b>	<b>42,8</b>	<b>16,2</b>
Basic iron and steel products	-1,2	32,5	266,8	61,2	52,3	32,5
Non-ferrous metal products	3,1	67,7	104,5	49,7	52,3	19,1
Structural metal products	-3,2	22,5	364,0	82,4	30,8	13,0
Other fabricated metal products	9,6	22,3	310,1	50,5	31,3	7,1
General purpose machinery	2,9	6,3	198,1	42,9	26,9	-6,2
Special purpose machinery	7,2	7,5	124,6	34,7	30,8	15,4
Household appliances	-1,5	-4,3	253,4	113,9	46,9	10,1
<b>Electrical machinery</b>	<b>8,3</b>	<b>10,6</b>	<b>128,6</b>	<b>33,4</b>	<b>20,6</b>	<b>7,3</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>-2,3</b>	<b>4,8</b>	<b>211,7</b>	<b>35,5</b>	<b>2,3</b>	<b>-6,9</b>
Radio, television and communication apparatus	-5,1	1,8	416,8	26,0	4,9	-10,2
Professional equipment	0,9	8,2	131,9	44,9	0,1	-4,2
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>5,4</b>	<b>26,2</b>	<b>594,1</b>	<b>141,0</b>	<b>59,9</b>	<b>-22,9</b>
Motor vehicles	-2,0	17,8	391,1	125,7	55,5	-44,3
Bodies for motor vehicles, trailers and semi-trailers	11,7	18,2	1 032,7	113,8	28,3	13,5
Parts and accessories	28,2	60,3	2 207,5	203,8	76,8	17,5
Other transport equipment	-9,3	-2,6	1 032,6	86,2	62,7	26,9
<b>Furniture and other manufacturing</b>	<b>3,3</b>	<b>14,1</b>	<b>454,2</b>	<b>112,1</b>	<b>93,0</b>	<b>55,0</b>
Furniture	-11,2	-5,3	647,6	237,7	68,9	12,4
Other manufacturing groups	6,4	18,3	429,4	97,0	98,2	65,0
<b>Total</b>	<b>3,3</b>	<b>18,6</b>	<b>119,8</b>	<b>52,0</b>	<b>29,1</b>	<b>3,2</b>

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

Manufacturing division and major group	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21
<b>Food and beverages</b>	<b>2,7</b>	<b>3,9</b>	<b>15,7</b>	<b>9,6</b>	<b>3,2</b>	<b>1,9</b>
Meat, fish, fruit, etc.	0,6	0,7	3,3	1,6	1,4	0,2
Dairy products	0,0	0,2	0,3	0,0	0,0	0,0
Grain mill products	0,3	0,4	0,7	0,7	0,4	0,6
Other food products	-0,2	0,0	1,1	1,7	1,3	1,0
Beverages	2,0	2,5	10,2	5,6	0,1	0,1
<b>Textiles, clothing, leather and footwear</b>	<b>0,0</b>	<b>0,2</b>	<b>3,7</b>	<b>1,2</b>	<b>0,4</b>	<b>0,0</b>
Textiles	0,0	0,1	0,7	0,2	0,1	0,0
Other textile products	-0,1	0,0	1,2	0,5	0,2	0,0
Knitted, crocheted articles	0,0	0,0	0,2	0,1	0,0	0,0
Wearing apparel	0,0	-0,1	0,8	0,1	0,0	0,0
Leather and leather products	0,0	0,0	0,3	0,1	0,0	0,0
Footwear	0,1	0,1	0,6	0,3	0,1	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>0,1</b>	<b>0,3</b>	<b>5,8</b>	<b>2,7</b>	<b>1,6</b>	<b>0,1</b>
Sawmilling and planing of wood	0,0	0,1	0,6	0,3	0,1	-0,1
Products of wood	0,0	0,1	1,2	0,5	0,1	0,2
Paper and paper products	0,1	0,2	1,5	0,9	0,7	-0,3
Publishing	0,0	0,0	0,5	0,1	0,1	0,0
Printing, recorded media	-0,1	-0,1	2,0	0,8	0,6	0,3
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>-1,5</b>	<b>0,8</b>	<b>14,5</b>	<b>5,6</b>	<b>2,9</b>	<b>-0,6</b>
Coke, petroleum products and nuclear fuel	-2,2	-0,3	4,5	2,4	0,5	-0,4
Basic chemicals	0,1	0,3	3,3	1,0	1,3	0,5
Other chemical products	0,3	0,4	2,8	0,5	0,4	-0,9
Rubber products	0,0	0,1	1,2	0,3	0,2	-0,1
Plastic products	0,2	0,3	2,7	1,3	0,5	0,3
<b>Glass and non-metallic mineral products</b>	<b>0,2</b>	<b>0,7</b>	<b>5,4</b>	<b>2,2</b>	<b>0,9</b>	<b>0,2</b>
Glass and glass products	0,1	0,2	0,9	0,4	0,2	0,0
Non-metallic mineral products	0,2	0,5	4,6	1,8	0,7	0,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>0,7</b>	<b>8,1</b>	<b>33,3</b>	<b>12,9</b>	<b>9,7</b>	<b>3,7</b>
Basic iron and steel products	-0,1	1,6	9,4	3,2	2,7	1,5
Non-ferrous metal products	0,2	5,1	9,4	4,3	3,9	1,3
Structural metal products	-0,1	0,4	2,3	1,1	0,5	0,2
Other fabricated metal products	0,3	0,7	5,4	1,7	1,0	0,3
General purpose machinery	0,1	0,1	2,8	0,9	0,5	-0,1
Special purpose machinery	0,2	0,2	3,1	1,1	0,8	0,4
Household appliances	0,0	0,0	0,9	0,5	0,2	0,1
<b>Electrical machinery</b>	<b>0,2</b>	<b>0,3</b>	<b>2,8</b>	<b>0,9</b>	<b>0,5</b>	<b>0,2</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>0,0</b>	<b>0,1</b>	<b>1,3</b>	<b>0,4</b>	<b>0,0</b>	<b>-0,1</b>
Radio, television and communication apparatus	0,0	0,0	0,7	0,1	0,0	0,0
Professional equipment	0,0	0,0	0,6	0,2	0,0	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>0,9</b>	<b>3,9</b>	<b>31,3</b>	<b>13,8</b>	<b>7,4</b>	<b>-3,8</b>
Motor vehicles	-0,2	1,6	17,5	7,7	4,4	-4,8
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,1	1,1	0,5	0,2	0,1
Parts and accessories	1,1	2,2	10,5	4,9	2,3	0,7
Other transport equipment	-0,1	0,0	2,1	0,7	0,6	0,3
<b>Furniture and other manufacturing</b>	<b>0,1</b>	<b>0,5</b>	<b>6,1</b>	<b>2,9</b>	<b>2,3</b>	<b>1,5</b>
Furniture	-0,1	0,0	1,0	0,7	0,3	0,1
Other manufacturing groups	0,2	0,6	5,1	2,2	2,0	1,5
<b>Total</b>	<b>3,3</b>	<b>18,6</b>	<b>119,8</b>	<b>52,0</b>	<b>29,1</b>	<b>3,2</b>

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

<b>Manufacturing division and major group</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Month-on-month % change</b>
<b>Food and beverages</b>	<b>54 063</b>	<b>53 481</b>	<b>54 357</b>	<b>52 256</b>	<b>47 323</b>	<b>-9,4</b>
Meat, fish, fruit, etc.	14 719	15 324	15 328	15 505	14 545	-6,2
Dairy products	4 688	4 249	4 220	4 385	4 459	1,7
Grain mill products	7 974	8 183	8 348	8 071	8 578	6,3
Other food products	10 820	10 868	11 824	11 649	11 577	-0,6
Beverages	15 862	14 857	14 637	12 646	8 164	-35,4
<b>Textiles, clothing, leather and footwear</b>	<b>4 991</b>	<b>4 898</b>	<b>4 707</b>	<b>4 707</b>	<b>4 317</b>	<b>-8,3</b>
Textiles	747	756	747	722	656	-9,1
Other textile products	1 501	1 456	1 411	1 419	1 184	-16,6
Knitted, crocheted articles	175	162	176	160	150	-6,3
Wearing apparel	1 420	1 381	1 284	1 331	1 231	-7,5
Leather and leather products	524	512	445	449	458	2,0
Footwear	622	632	643	626	639	2,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>13 751</b>	<b>14 250</b>	<b>13 802</b>	<b>13 846</b>	<b>12 081</b>	<b>-12,7</b>
Sawmilling and planing of wood	916	923	899	911	756	-17,0
Products of wood	1 809	1 803	1 764	1 626	1 864	14,6
Paper and paper products	7 258	7 595	7 434	7 552	6 087	-19,4
Publishing	1 225	1 210	1 060	1 131	1 068	-5,6
Printing, recorded media	2 543	2 719	2 643	2 627	2 306	-12,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>37 772</b>	<b>38 853</b>	<b>37 786</b>	<b>38 021</b>	<b>35 019</b>	<b>-7,9</b>
Coke, petroleum products and nuclear fuel	8 294	8 130	8 024	7 844	7 064	-9,9
Basic chemicals	8 999	9 980	8 907	9 525	9 162	-3,8
Other chemical products	12 587	12 668	12 766	12 644	11 248	-11,0
Rubber products	1 536	1 571	1 528	1 598	1 332	-16,6
Plastic products	6 356	6 503	6 561	6 410	6 213	-3,1
<b>Glass and non-metallic mineral products</b>	<b>6 302</b>	<b>6 198</b>	<b>6 233</b>	<b>6 115</b>	<b>5 897</b>	<b>-3,6</b>
Glass and glass products	1 375	1 271	1 267	1 237	1 176	-4,9
Non-metallic mineral products	4 927	4 927	4 966	4 878	4 720	-3,2
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>57 388</b>	<b>51 647</b>	<b>51 355</b>	<b>52 280</b>	<b>47 738</b>	<b>-8,7</b>
Basic iron and steel products	11 562	12 379	11 185	11 843	11 652	-1,6
Non-ferrous metal products	24 723	17 919	18 362	18 984	15 356	-19,1
Structural metal products	3 681	3 136	3 413	3 337	3 131	-6,2
Other fabricated metal products	6 957	7 080	7 014	6 990	6 722	-3,8
General purpose machinery	3 968	4 073	4 048	4 087	4 061	-0,6
Special purpose machinery	5 358	5 843	6 131	5 854	5 754	-1,7
Household appliances	1 140	1 217	1 202	1 185	1 062	-10,4
<b>Electrical machinery</b>	<b>4 869</b>	<b>5 059</b>	<b>4 920</b>	<b>4 946</b>	<b>4 840</b>	<b>-2,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>2 132</b>	<b>2 017</b>	<b>2 032</b>	<b>1 959</b>	<b>1 801</b>	<b>-8,1</b>
Radio, television and communication apparatus	1 087	1 007	967	974	835	-14,3
Professional equipment	1 045	1 010	1 065	985	965	-2,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>34 349</b>	<b>34 515</b>	<b>33 067</b>	<b>32 736</b>	<b>20 057</b>	<b>-38,7</b>
Motor vehicles	20 420	20 560	19 639	20 102	8 698	-56,7
Bodies for motor vehicles, trailers and semi-trailers	1 167	1 162	1 173	1 229	1 172	-4,6
Parts and accessories	10 323	10 319	9 795	9 111	7 598	-16,6
Other transport equipment	2 439	2 474	2 460	2 294	2 589	12,9
<b>Furniture and other manufacturing</b>	<b>8 336</b>	<b>7 642</b>	<b>7 827</b>	<b>7 981</b>	<b>7 632</b>	<b>-4,4</b>
Furniture	1 331	1 208	1 313	1 278	1 076	-15,8
Other manufacturing groups	7 005	6 434	6 514	6 703	6 556	-2,2
<b>Total</b>	<b>223 952</b>	<b>218 559</b>	<b>216 086</b>	<b>214 846</b>	<b>186 705</b>	<b>-13,1</b>

## 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 62,4% for July 2021. The collection rate for June 2021 for the new sample was 65,4%.
- 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.

<b>Period</b>	<b>Source</b>
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		
	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)
<b>Food and beverages</b>	<b>25,78</b>	<b>26,64</b>	<b>27,14</b>
Meat, fish, fruit, etc.	6,59	6,69	6,75
Dairy products	2,00	2,15	2,27
Grain mill products	3,12	3,37	3,55
Other food products	7,74	8,14	8,45
Beverages	6,33	6,29	6,12
<b>Textiles, clothing, leather and footwear</b>	<b>3,21</b>	<b>3,12</b>	<b>3,08</b>
Textiles	0,80	0,78	0,77
Other textile products	0,41	0,40	0,39
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,08	1,04	1,02
Leather and leather products	0,48	0,46	0,46
Footwear	0,35	0,35	0,35
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,28</b>	<b>11,45</b>	<b>11,46</b>
Sawmilling and planing of wood	1,69	1,73	1,74
Products of wood	2,42	2,57	2,61
Paper and paper products	4,09	4,14	4,13
Publishing	1,45	1,43	1,43
Printing, recorded media	1,63	1,58	1,55
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>23,82</b>	<b>23,07</b>	<b>22,52</b>
Coke, petroleum products and nuclear fuel	9,18	8,67	8,34
Basic chemicals	4,41	4,29	4,15
Other chemical products	6,15	6,19	6,15
Rubber products	1,30	1,24	1,19
Plastic products	2,78	2,68	2,69
<b>Glass and non-metallic mineral products</b>	<b>3,53</b>	<b>3,18</b>	<b>3,06</b>
Glass and glass products	0,69	0,66	0,65
Non-metallic mineral products	2,84	2,52	2,41
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>18,74</b>	<b>18,69</b>	<b>18,59</b>
Basic iron and steel products	3,52	3,57	3,49
Non-ferrous metal products (including precious metals)	2,60	2,58	2,68
Structural metal products	1,92	1,99	2,02
Other fabricated metal products	3,84	3,79	3,73
General purpose machinery	2,57	2,58	2,57
Special purpose machinery	3,50	3,41	3,35
Household appliances	0,79	0,77	0,75
<b>Electrical machinery</b>	<b>1,63</b>	<b>1,64</b>	<b>1,64</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,59</b>	<b>1,54</b>	<b>1,52</b>
Radio, television and communication apparatus	0,92	0,90	0,91
Professional equipment	0,67	0,64	0,61
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>7,20</b>	<b>7,56</b>	<b>7,96</b>
Motor vehicles	2,60	2,82	3,03
Bodies for motor vehicles, trailers and semi-trailers	0,48	0,47	0,49
Parts and accessories	2,89	3,04	3,21
Other transport equipment	1,23	1,23	1,23
<b>Furniture and other manufacturing</b>	<b>3,22</b>	<b>3,11</b>	<b>3,03</b>
Furniture	1,08	1,07	1,06
Other manufacturing groups	2,14	2,04	1,97
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>

- 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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## General information

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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