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Production: results for September 2022

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

	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Year-on-year % change, unadjusted	-7,1	-1,1	-3,7	3,9	1,7	2,9
Month-on-month % change, seasonally adjusted	-5,2	0,5	-2,2	0,1	2,2	4,9
3-month % change, seasonally adjusted ¹	-0,3	-2,3	-5,2	-4,0	-2,8	1,9

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

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

- motor vehicles, parts and accessories and other transport equipment (43,2% and contributing 3,7 percentage points); and
- food and beverages (8,1% and contributing 1,9 percentage points).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-9,8% and contributing -2,1 percentage points) – see Tables 5 and 6.

Seasonally adjusted manufacturing production increased by 4,9% in September 2022 compared with August 2022. This followed month-on-month changes of 2,2% in August 2022 and 0,1% in July 2022 – see Table A.

Seasonally adjusted manufacturing production increased by 1,9% in the third quarter of 2022 compared with the second quarter of 2022. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (21,1% and contributing 1,9 percentage points);
- food and beverages (4,0% and contributing 0,9 of a percentage point); and
- basic iron and steel, non-ferrous metal products, metal products and machinery (3,7% and contributing 0,8 of a percentage point).

The largest negative contribution was made by the petroleum, chemical products, rubber and plastic products division (-9,2% and contributing -2,0 percentage points) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100)

Manufacturing division and major group	Weights	Apr – Jun 2022	Jul – Sep 2022	% change between Apr – Jun 2022 and Jul – Sep 2022	Contribution (% points) to the total % change
Food and beverages	20,75	98,7	102,6	4,0	0,9
Meat, fish, fruit, etc.	3,27	101,9	105,9	3,9	0,1
Dairy products	1,39	87,6	93,6	6,8	0,1
Grain mill products	1,68	100,3	100,6	0,3	0,0
Other food products	7,75	88,4	93,2	5,4	0,4
Beverages	6,66	110,9	114,4	3,2	0,3
Textiles, clothing, leather and footwear	4,26	89,4	91,4	2,2	0,1
Textiles	1,08	109,5	105,8	-3,4	0,0
Other textile products	0,61	86,6	92,0	6,2	0,0
Knitted, crocheted articles	0,06	83,0	90,7	9,3	0,0
Wearing apparel	1,98	79,4	80,6	1,5	0,0
Leather and leather products	0,27	84,7	100,6	18,8	0,0
Footwear	0,25	94,9	102,9	8,4	0,0
Wood and wood products, paper, publishing and printing	10,63	89,8	95,1	5,9	0,6
Sawmilling and planing of wood	0,87	88,9	96,4	8,4	0,1
Products of wood	0,88	98,1	102,5	4,5	0,0
Paper and paper products	5,34	91,4	96,7	5,8	0,3
Publishing	2,18	78,7	85,6	8,8	0,2
Printing, recorded media	1,35	96,6	98,8	2,3	0,0
Petroleum, chemical products, rubber and plastic products	24,95	80,1	72,7	-9,2	-2,0
Coke, petroleum products and nuclear fuel	11,85	56,3	46,1	-18,1	-1,3
Basic chemicals	3,50	112,3	105,0	-6,5	-0,3
Other chemical products	6,64	97,4	90,7	-6,9	-0,5
Rubber products	0,76	94,6	91,7	-3,1	0,0
Plastic products	2,20	99,9	103,7	3,8	0,1
Glass and non-metallic mineral products	3,24	101,9	102,3	0,4	0,0
Glass and glass products	0,49	107,9	104,9	-2,8	0,0
Non-metallic mineral products	2,75	100,8	101,8	1,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	94,4	97,9	3,7	0,8
Basic iron and steel products	2,92	82,3	89,6	8,9	0,2
Non-ferrous metal products	3,32	85,9	90,4	5,2	0,2
Structural metal products	1,99	87,5	98,2	12,2	0,2
Other fabricated metal products	3,53	95,6	103,4	8,2	0,3
General purpose machinery	3,42	104,9	108,4	3,3	0,1
Special purpose machinery	3,85	102,9	94,9	-7,8	-0,3
Household appliances	0,70	101,3	104,7	3,4	0,0
Electrical machinery	2,21	97,1	90,5	-6,8	-0,2
Radio, television and communication apparatus and professional equipment	1,07	100,9	103,4	2,5	0,0
Radio, television and communication apparatus	0,04	81,4	85,2	4,7	0,0
Professional equipment	1,03	101,7	104,2	2,5	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	92,0	111,4	21,1	1,9
Motor vehicles	2,78	84,5	100,8	19,3	0,5
Bodies for motor vehicles, trailers and semi-trailers	0,73	116,5	117,9	1,2	0,0
Parts and accessories	3,97	92,4	125,1	35,4	1,4
Other transport equipment	1,40	92,9	90,1	-3,0	0,0
Furniture and other manufacturing	4,27	93,8	90,1	-3,9	-0,2
Furniture	0,78	89,2	82,9	-7,1	-0,1
Other manufacturing groups	3,49	94,8	91,8	-3,2	-0,1
Total	100	91,2	92,9	1,9	1,9

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

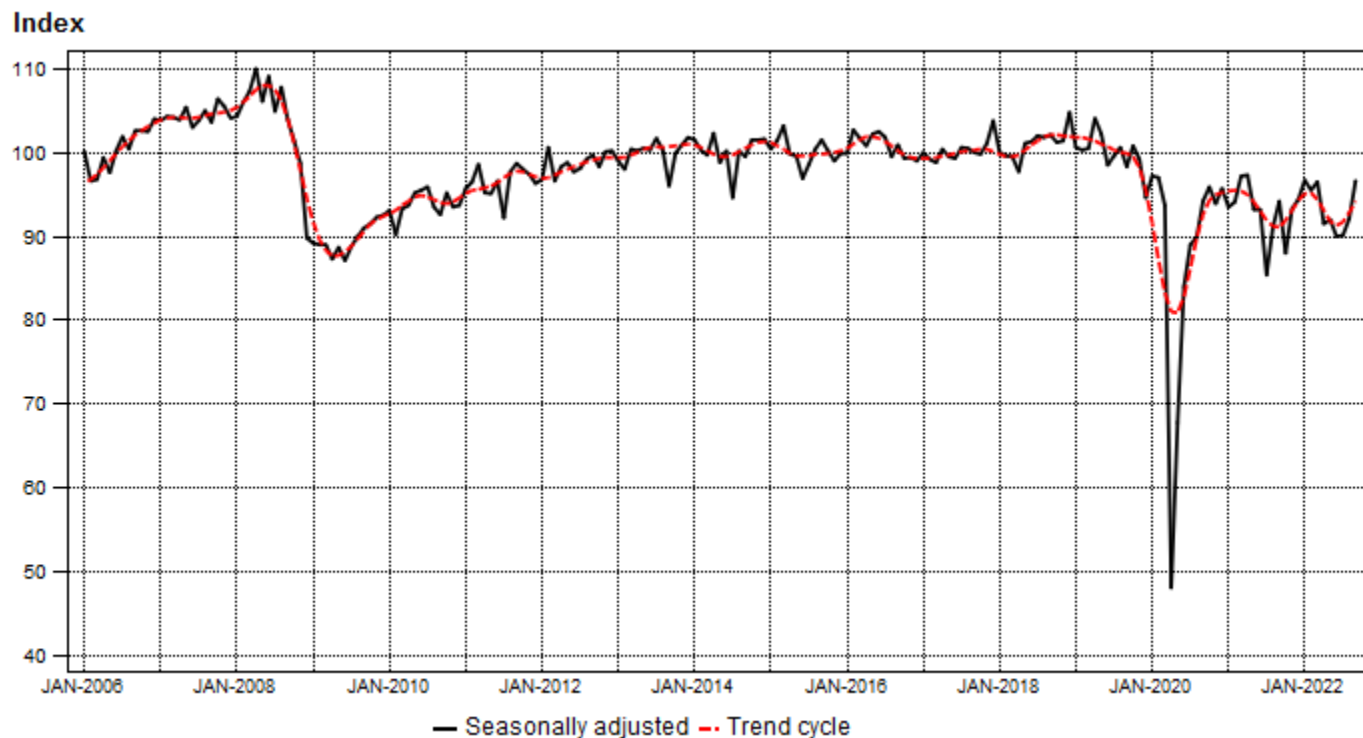
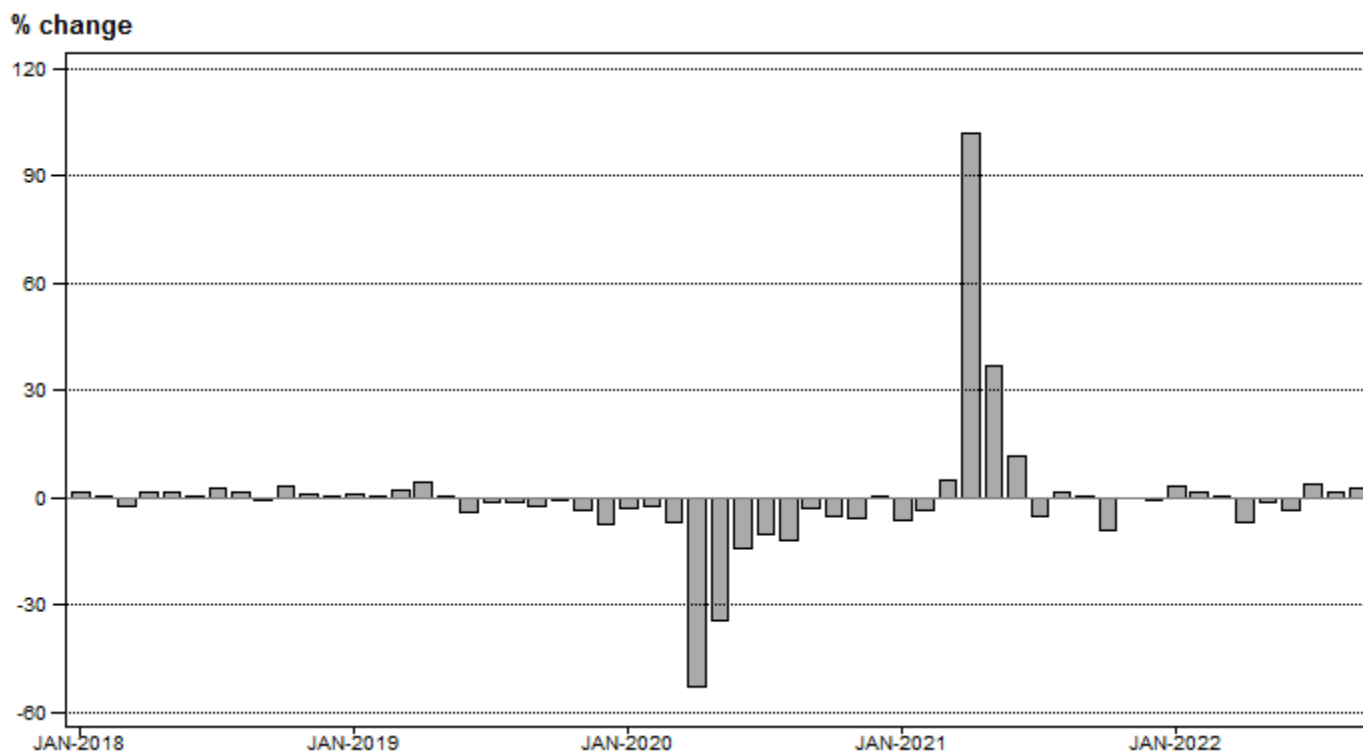


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



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

	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Year-on-year % change, unadjusted	3,5	12,4	10,0	23,9	16,6	18,1
Month-on-month % change, seasonally adjusted	-3,7	3,5	-0,6	0,2	1,0	4,4
3-month % change, seasonally adjusted ¹	4,2	2,9	0,3	1,4	0,8	3,0

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

Seasonally adjusted manufacturing sales increased by 4,4% in September 2022 compared with August 2022. This followed month-on-month changes of 1,0% in August 2022 and 0,2% in July 2022 – see Table C.

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

Manufacturing division	Apr – Jun 2022 (R million)	Jul – Sep 2022 (R million)	% change between Apr – Jun 2022 and Jul – Sep 2022	Contribution (% points) to the total % change
Food and beverages	177 717	185 072	4,1	1,0
Textiles, clothing, leather and footwear	15 868	16 601	4,6	0,1
Wood and wood products, paper, publishing and printing	42 826	48 135	12,4	0,7
Petroleum, chemical products, rubber and plastic products	155 404	153 681	-1,1	-0,2
Glass and non-metallic mineral products	23 022	23 932	4,0	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	173 365	169 826	-2,0	-0,5
Electrical machinery	17 488	17 160	-1,9	0,0
Radio, television and communication apparatus and professional equipment	7 224	7 873	9,0	0,1
Motor vehicles, parts and accessories and other transport equipment	95 038	108 363	14,0	1,8
Furniture and other manufacturing	28 135	27 832	-1,1	0,0
Total	736 086	758 476	3,0	3,0

Seasonally adjusted manufacturing sales increased by 3,0% in the third quarter of 2022 compared with the second quarter of 2022. The largest contributions were made by the following divisions:

- motor vehicles, parts and accessories and other transport equipment (14,0% and contributing 1,8 percentage points);
- food and beverages (4,1% and contributing 1,0 percentage point); and
- wood and wood products, paper, publishing and printing (12,4% and contributing 0,7 of a percentage point) – see Table D.

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Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2019=100)

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	84,8	85,7	87,1	88,0	85,6	80,3	82,8
Feb	98,2	94,3	94,5	94,9	92,4	89,3	90,9
Mar	101,5	101,5	98,9	101,2	94,4	98,9	99,1
Apr	95,5	90,5	91,9	95,8	45,0	91,0	84,5
May	101,2	100,1	101,8	102,0	67,0	91,9	90,9
Jun	104,0	101,5	101,9	97,8	83,8	93,7	90,2
Jul	102,2	100,6	103,2	101,8	91,3	86,7	90,1
Aug	103,7	105,0	106,6	105,2	92,8	94,3	95,9
Sep	107,8	105,4	104,9	102,6	99,3	99,8	102,7
Oct	107,6	109,8	113,4	112,7	106,8	97,3	
Nov	112,1	114,0	115,3	111,0	104,7	104,7	
Dec	91,1	93,2	93,7	86,8	87,3	86,7	
Total	100,8	100,1	101,1	100,0	87,5	92,9	

¹ The latest three months are preliminary.

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

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	1,1	1,6	1,0	-2,7	-6,2	3,1	3,1
Feb	-4,0	0,2	0,4	-2,6	-3,4	1,8	2,5
Mar	0,0	-2,6	2,3	-6,7	4,8	0,2	1,6
Apr	-5,2	1,5	4,2	-53,0	102,2	-7,1	-0,7
May	-1,1	1,7	0,2	-34,3	37,2	-1,1	-0,8
Jun	-2,4	0,4	-4,0	-14,3	11,8	-3,7	-1,3
Jul	-1,6	2,6	-1,4	-10,3	-5,0	3,9	-0,6
Aug	1,3	1,5	-1,3	-11,8	1,6	1,7	-0,2
Sep	-2,2	-0,5	-2,2	-3,2	0,5	2,9	0,1
Oct	2,0	3,3	-0,6	-5,2	-8,9		
Nov	1,7	1,1	-3,7	-5,7	0,0		
Dec	2,3	0,5	-7,4	0,6	-0,7		
Total	-0,7	1,0	-1,1	-12,5	6,2		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	100,6	97,2	93,5	96,7	-4,0	2,7	-2,3	2,4
Feb	100,3	97,0	94,1	95,5	-0,3	-0,2	0,6	-1,2
Mar	100,5	93,7	97,2	96,5	0,2	-3,4	3,3	1,0
Apr	104,1	48,1	97,3	91,5	3,6	-48,7	0,1	-5,2
May	102,2	67,8	93,2	92,0	-1,8	41,0	-4,2	0,5
Jun	98,5	84,0	93,2	90,0	-3,6	23,9	0,0	-2,2
Jul	99,6	89,0	85,4	90,1	1,1	6,0	-8,4	0,1
Aug	100,6	89,9	91,1	92,1	1,0	1,0	6,7	2,2
Sep	98,3	94,2	94,2	96,6	-2,3	4,8	3,4	4,9
Oct	100,8	95,9	88,0		2,5	1,8	-6,6	
Nov	99,2	93,9	93,3		-1,6	-2,1	6,0	
Dec	94,6	95,7	94,4		-4,6	1,9	1,2	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weights	Apr-22	May-22	Jun-22	¹ Jul-22	¹ Aug-22	¹ Sep-22
Food and beverages	20,75	91,3	96,6	96,0	94,1	101,8	118,4
Meat, fish, fruit, etc.	3,27	98,2	103,8	98,2	101,1	105,3	109,8
Dairy products	1,39	84,6	77,8	79,1	89,2	92,4	103,7
Grain mill products	1,68	92,0	101,3	100,7	96,5	104,1	107,4
Other food products	7,75	93,2	91,0	91,5	92,9	99,5	113,2
Beverages	6,66	86,9	102,4	102,4	92,5	104,0	134,6
Textiles, clothing, leather and footwear	4,26	83,3	92,4	86,7	94,3	94,3	99,4
Textiles	1,08	104,3	118,2	111,8	113,3	110,4	108,3
Other textile products	0,61	85,1	83,9	86,4	89,9	92,5	101,0
Knitted, crocheted articles	0,06	70,4	97,4	85,5	88,5	98,5	105,2
Wearing apparel	1,98	74,0	81,4	70,1	83,5	82,3	91,7
Leather and leather products	0,27	69,8	91,6	96,7	94,7	99,1	103,3
Footwear	0,25	80,1	87,7	99,4	110,0	119,0	112,6
Wood and wood products, paper, publishing and printing	10,63	77,7	82,5	91,4	88,4	102,9	109,9
Sawmilling and planing of wood	0,87	82,2	90,3	91,8	92,1	111,6	105,6
Products of wood	0,88	89,4	98,0	95,9	107,4	106,5	114,7
Paper and paper products	5,34	79,6	83,1	98,7	89,0	98,7	117,0
Publishing	2,18	65,2	69,8	69,7	74,6	106,7	94,1
Printing, recorded media	1,35	80,1	85,7	94,2	93,7	105,8	107,0
Petroleum, chemical products, rubber and plastic products	24,95	74,8	79,4	76,3	73,4	74,6	76,1
Coke, petroleum products and nuclear fuel	11,85	57,5	51,5	46,4	44,9	50,4	46,0
Basic chemicals	3,50	102,7	116,9	113,9	109,0	103,5	108,0
Other chemical products	6,64	83,9	102,7	100,2	92,9	89,7	97,8
Rubber products	0,76	91,7	93,0	97,4	95,9	91,2	103,9
Plastic products	2,20	90,7	95,3	97,9	104,2	107,6	112,2
Glass and non-metallic mineral products	3,24	92,2	109,4	103,7	102,9	109,7	112,0
Glass and glass products	0,49	99,8	107,3	99,0	99,4	114,1	113,1
Non-metallic mineral products	2,75	90,8	109,8	104,6	103,5	108,9	111,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	90,1	96,9	97,6	96,8	103,3	100,9
Basic iron and steel products	2,92	91,3	85,5	75,0	89,0	82,6	84,9
Non-ferrous metal products	3,32	88,6	89,2	82,8	82,5	97,6	91,3
Structural metal products	1,99	71,7	86,3	102,5	93,3	109,1	116,6
Other fabricated metal products	3,53	87,0	96,8	99,1	101,8	112,0	109,6
General purpose machinery	3,42	88,9	116,5	116,0	113,0	115,3	116,8
Special purpose machinery	3,85	102,3	99,0	106,8	97,2	102,2	90,2
Household appliances	0,70	98,5	105,5	101,2	100,6	104,6	104,8
Electrical machinery	2,21	98,5	97,6	94,5	94,4	94,5	99,8
Radio, television and communication apparatus and professional equipment	1,07	90,0	100,8	105,0	99,3	107,3	106,5
Radio, television and communication apparatus	0,04	60,9	70,4	83,9	65,7	93,8	100,3
Professional equipment	1,03	91,2	102,1	105,9	100,7	107,9	106,8
Motor vehicles, parts and accessories and other transport equipment	8,89	88,1	93,3	92,5	102,5	115,1	137,5
Motor vehicles	2,78	78,6	87,5	76,6	85,1	116,3	135,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	108,8	119,0	142,5	130,2	120,5	128,3
Parts and accessories	3,97	92,7	94,3	95,2	116,7	123,5	150,1
Other transport equipment	1,40	82,9	88,2	90,5	81,9	85,8	111,0
Furniture and other manufacturing	4,27	78,4	97,0	89,1	98,4	90,0	96,3
Furniture	0,78	76,5	89,6	90,4	83,7	87,6	93,8
Other manufacturing groups	3,49	78,9	98,7	88,8	101,7	90,5	96,8
Total	100	84,5	90,9	90,2	90,1	95,9	102,7

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Food and beverages	-5,6	-3,0	-3,8	10,2	-3,8	8,1
Meat, fish, fruit, etc.	1,2	3,7	-3,8	8,1	9,7	7,0
Dairy products	-4,2	-10,5	-6,9	-0,1	2,7	8,1
Grain mill products	-0,9	1,8	4,7	-6,1	2,2	3,7
Other food products	-10,0	-14,8	-17,5	-11,0	-10,8	2,2
Beverages	-5,0	9,4	14,0	70,7	-4,0	16,2
Textiles, clothing, leather and footwear	-10,1	7,4	-4,1	10,3	2,5	-2,1
Textiles	-10,9	-0,5	-5,5	3,5	0,4	-19,2
Other textile products	-7,4	-3,7	0,5	12,9	4,2	9,7
Knitted, crocheted articles	-6,4	21,3	10,9	22,4	5,8	24,3
Wearing apparel	-7,0	19,2	-7,5	17,4	-1,2	2,6
Leather and leather products	-27,6	16,4	11,3	5,3	40,0	17,9
Footwear	-15,0	-3,0	-3,5	0,2	3,9	13,2
Wood and wood products, paper, publishing and printing	-9,9	-7,2	-3,7	2,6	2,9	-3,5
Sawmilling and planing of wood	-2,0	-5,2	-5,7	-1,7	21,7	21,5
Products of wood	-9,2	2,5	-4,7	5,5	-2,1	3,1
Paper and paper products	-11,8	-13,2	-4,5	0,6	-4,2	6,6
Publishing	-11,1	3,3	-7,3	3,0	14,5	-33,7
Printing, recorded media	-5,3	-2,8	7,8	10,6	7,0	3,3
Petroleum, chemical products, rubber and plastic products	-4,6	10,4	1,3	-0,9	-0,9	-9,8
Coke, petroleum products and nuclear fuel	-4,0	21,7	-5,9	-18,8	-18,8	-21,4
Basic chemicals	-0,6	15,7	7,9	5,0	19,1	-6,3
Other chemical products	-10,4	0,8	1,1	7,0	8,7	-9,1
Rubber products	9,8	-3,9	-2,8	14,4	-4,0	15,2
Plastic products	0,1	11,2	13,3	21,0	8,0	9,1
Glass and non-metallic mineral products	-6,1	4,9	-1,2	-0,6	1,1	3,2
Glass and glass products	12,3	3,9	17,9	6,0	18,1	16,6
Non-metallic mineral products	-9,1	5,1	-3,9	-1,6	-1,5	1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	-5,8	-5,3	-3,4	-0,3	4,3	-1,8
Basic iron and steel products	-0,1	-12,4	-18,1	-7,3	-9,1	-13,0
Non-ferrous metal products	-4,6	-6,6	-11,2	-2,6	7,1	1,3
Structural metal products	-16,8	-13,4	1,0	-4,8	11,2	3,3
Other fabricated metal products	-12,7	-7,4	-2,2	-1,0	9,4	0,1
General purpose machinery	-11,6	9,5	6,0	11,9	5,2	3,9
Special purpose machinery	4,3	-7,6	-0,7	-5,4	1,3	-8,8
Household appliances	4,6	0,9	5,0	25,0	10,6	7,7
Electrical machinery	6,4	2,5	-4,0	1,1	-7,6	-1,5
Radio, television and communication apparatus and professional equipment	-0,3	1,1	9,7	18,8	20,4	15,0
Radio, television and communication apparatus	-16,8	-17,6	7,0	0,0	6,5	0,2
Professional equipment	0,2	1,8	9,9	19,5	21,1	15,7
Motor vehicles, parts and accessories and other transport equipment	-23,0	-16,4	-16,3	12,0	20,1	43,2
Motor vehicles	-26,5	-15,3	-25,5	57,0	60,0	60,3
Bodies for motor vehicles, trailers and semi-trailers	-2,1	8,8	18,3	17,6	10,7	3,8
Parts and accessories	-30,0	-27,0	-22,0	1,7	11,2	55,2
Other transport equipment	4,1	10,9	3,1	-8,4	-6,1	8,3
Furniture and other manufacturing	8,9	16,0	-2,0	2,6	-8,4	2,1
Furniture	6,5	1,9	10,1	-2,3	-14,0	-18,5
Other manufacturing groups	9,6	19,3	-4,3	3,7	-7,1	7,9
Total	-7,1	-1,1	-3,7	3,9	1,7	2,9

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

Manufacturing division and major group	Weights	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Food and beverages	20,75	-1,2	-0,7	-0,8	2,1	-0,9	1,9
Meat, fish, fruit, etc.	3,27	0,0	0,1	-0,1	0,3	0,3	0,2
Dairy products	1,39	-0,1	-0,1	-0,1	0,0	0,0	0,1
Grain mill products	1,68	0,0	0,0	0,1	-0,1	0,0	0,1
Other food products	7,75	-0,9	-1,3	-1,6	-1,0	-1,0	0,2
Beverages	6,66	-0,3	0,6	0,9	2,9	-0,3	1,3
Textiles, clothing, leather and footwear	4,26	-0,4	0,3	-0,2	0,4	0,1	-0,1
Textiles	1,08	-0,2	0,0	-0,1	0,0	0,0	-0,3
Other textile products	0,61	0,0	0,0	0,0	0,1	0,0	0,1
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,98	-0,1	0,3	-0,1	0,3	0,0	0,0
Leather and leather products	0,27	-0,1	0,0	0,0	0,0	0,1	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,63	-1,0	-0,7	-0,4	0,3	0,3	-0,4
Sawmilling and planing of wood	0,87	0,0	0,0	-0,1	0,0	0,2	0,2
Products of wood	0,88	-0,1	0,0	0,0	0,1	0,0	0,0
Paper and paper products	5,34	-0,6	-0,7	-0,3	0,0	-0,2	0,4
Publishing	2,18	-0,2	0,1	-0,1	0,1	0,3	-1,0
Printing, recorded media	1,35	-0,1	0,0	0,1	0,1	0,1	0,0
Petroleum, chemical products, rubber and plastic products	24,95	-1,0	2,0	0,3	-0,2	-0,2	-2,1
Coke, petroleum products and nuclear fuel	11,85	-0,3	1,2	-0,4	-1,4	-1,5	-1,5
Basic chemicals	3,50	0,0	0,6	0,3	0,2	0,6	-0,3
Other chemical products	6,64	-0,7	0,1	0,1	0,5	0,5	-0,7
Rubber products	0,76	0,1	0,0	0,0	0,1	0,0	0,1
Plastic products	2,20	0,0	0,2	0,3	0,5	0,2	0,2
Glass and non-metallic mineral products	3,24	-0,2	0,2	0,0	0,0	0,0	0,1
Glass and glass products	0,49	0,1	0,0	0,1	0,0	0,1	0,1
Non-metallic mineral products	2,75	-0,3	0,2	-0,1	-0,1	0,0	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	-1,2	-1,2	-0,7	-0,1	0,9	-0,4
Basic iron and steel products	2,92	0,0	-0,4	-0,5	-0,2	-0,3	-0,4
Non-ferrous metal products	3,32	-0,2	-0,2	-0,4	-0,1	0,2	0,0
Structural metal products	1,99	-0,3	-0,3	0,0	-0,1	0,2	0,1
Other fabricated metal products	3,53	-0,5	-0,3	-0,1	0,0	0,4	0,0
General purpose machinery	3,42	-0,4	0,4	0,2	0,5	0,2	0,2
Special purpose machinery	3,85	0,2	-0,3	0,0	-0,2	0,1	-0,3
Household appliances	0,70	0,0	0,0	0,0	0,2	0,1	0,1
Electrical machinery	2,21	0,1	0,1	-0,1	0,0	-0,2	0,0
Radio, television and communication apparatus and professional equipment	1,07	0,0	0,0	0,1	0,2	0,2	0,1
Radio, television and communication apparatus	0,04	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	0,0	0,0	0,1	0,2	0,2	0,1
Motor vehicles, parts and accessories and other transport equipment	8,89	-2,6	-1,8	-1,7	1,1	1,8	3,7
Motor vehicles	2,78	-0,9	-0,5	-0,8	1,0	1,3	1,4
Bodies for motor vehicles, trailers and semi-trailers	0,73	0,0	0,1	0,2	0,2	0,1	0,0
Parts and accessories	3,97	-1,7	-1,5	-1,1	0,1	0,5	2,1
Other transport equipment	1,40	0,1	0,1	0,0	-0,1	-0,1	0,1
Furniture and other manufacturing	4,27	0,3	0,6	-0,1	0,1	-0,4	0,1
Furniture	0,78	0,0	0,0	0,1	0,0	-0,1	-0,2
Other manufacturing groups	3,49	0,3	0,6	-0,1	0,1	-0,3	0,2
Total	100	-7,1	-1,1	-3,7	3,9	1,7	2,9

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weights	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Month-on-month % change
Food and beverages	20,75	99,5	98,1	99,8	98,3	109,8	11,7
Meat, fish, fruit, etc.	3,27	103,5	98,8	105,4	105,0	107,4	2,3
Dairy products	1,39	86,1	88,5	94,0	91,4	95,5	4,5
Grain mill products	1,68	101,1	99,6	97,1	100,7	104,0	3,3
Other food products	7,75	87,8	83,0	89,2	88,3	102,0	15,5
Beverages	6,66	113,5	117,1	111,2	107,4	124,7	16,1
Textiles, clothing, leather and footwear	4,26	91,2	89,5	89,2	91,3	93,6	2,5
Textiles	1,08	111,5	109,7	106,2	109,2	101,9	-6,7
Other textile products	0,61	82,3	89,5	90,0	92,7	93,4	0,8
Knitted, crocheted articles	0,06	89,8	84,2	89,8	89,5	92,8	3,7
Wearing apparel	1,98	82,0	76,6	76,8	78,3	86,8	10,9
Leather and leather products	0,27	91,2	96,7	100,9	101,7	99,1	-2,6
Footwear	0,25	98,2	97,8	100,1	103,2	105,3	2,0
Wood and wood products, paper, publishing and printing	10,63	87,9	91,5	90,5	98,4	96,5	-1,9
Sawmilling and planing of wood	0,87	87,3	91,2	86,1	103,8	99,2	-4,4
Products of wood	0,88	101,8	95,3	102,6	100,3	104,7	4,4
Paper and paper products	5,34	87,3	94,8	92,4	96,5	101,1	4,8
Publishing	2,18	80,0	76,7	79,1	98,5	79,1	-19,7
Printing, recorded media	1,35	94,4	99,6	96,6	100,9	98,8	-2,1
Petroleum, chemical products, rubber and plastic products	24,95	81,7	77,0	72,6	72,0	73,6	2,2
Coke, petroleum products and nuclear fuel	11,85	57,3	49,5	43,6	47,9	46,8	-2,3
Basic chemicals	3,50	115,3	113,4	109,3	101,8	104,0	2,2
Other chemical products	6,64	100,4	97,3	92,9	87,1	92,2	5,9
Rubber products	0,76	88,4	90,5	88,8	88,6	97,6	10,2
Plastic products	2,20	100,4	101,1	103,1	103,4	104,5	1,1
Glass and non-metallic mineral products	3,24	104,5	101,7	99,7	102,7	104,4	1,7
Glass and glass products	0,49	107,9	106,5	99,5	107,0	108,1	1,0
Non-metallic mineral products	2,75	103,9	100,9	99,7	101,9	103,7	1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	94,9	94,8	96,4	100,5	96,8	-3,7
Basic iron and steel products	2,92	81,0	78,4	94,2	87,9	86,6	-1,5
Non-ferrous metal products	3,32	87,8	81,0	86,1	94,4	90,6	-4,0
Structural metal products	1,99	86,7	94,1	89,2	101,2	104,2	3,0
Other fabricated metal products	3,53	96,4	99,4	98,6	108,7	102,9	-5,3
General purpose machinery	3,42	111,5	107,3	109,4	107,9	107,9	0,0
Special purpose machinery	3,85	98,6	102,7	95,5	100,1	89,1	-11,0
Household appliances	0,70	99,7	102,5	105,0	104,3	104,8	0,5
Electrical machinery	2,21	95,4	91,6	93,1	89,0	89,3	0,3
Radio, television and communication apparatus and professional equipment	1,07	103,5	101,9	100,1	107,1	103,0	-3,8
Radio, television and communication apparatus	0,04	79,3	89,7	75,2	91,3	89,0	-2,5
Professional equipment	1,03	104,5	102,4	101,2	107,8	103,6	-3,9
Motor vehicles, parts and accessories and other transport equipment	8,89	91,9	90,3	95,7	106,7	131,8	23,5
Motor vehicles	2,78	88,2	76,4	77,8	99,8	124,8	25,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	114,3	127,2	119,7	115,3	118,6	2,9
Parts and accessories	3,97	89,4	93,6	107,3	116,6	151,4	29,8
Other transport equipment	1,40	94,7	89,3	85,8	87,7	96,7	10,3
Furniture and other manufacturing	4,27	98,6	88,2	93,5	85,8	91,1	6,2
Furniture	0,78	88,3	88,4	85,7	79,9	83,2	4,1
Other manufacturing groups	3,49	100,9	88,1	95,3	87,1	92,9	6,7
Total	100	92,0	90,0	90,1	92,1	96,6	4,9

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

Month	2016	2017	2018	2019	2020	2021	2022 ¹
Jan	148 755	160 525	167 548	183 379	182 810	179 439	203 502
Feb	172 469	175 284	186 833	197 889	202 751	206 844	229 922
Mar	182 720	196 317	198 873	216 145	202 704	238 957	260 280
Apr	173 354	170 582	178 303	205 339	98 153	216 628	224 281
May	187 309	193 831	207 711	215 489	145 978	222 587	250 160
Jun	191 125	197 264	207 188	215 533	178 506	229 004	251 809
Jul	185 058	188 822	210 326	219 394	192 336	198 298	245 778
Aug	191 370	200 787	217 655	228 219	198 640	219 992	256 568
Sep	197 837	202 754	221 058	219 593	213 806	231 917	273 945
Oct	198 077	212 440	239 210	239 383	234 021	230 295	
Nov	211 048	230 169	243 365	237 498	238 072	258 050	
Dec	175 441	187 323	196 436	190 046	196 767	217 403	
Total	2 214 563	2 316 098	2 474 506	2 567 907	2 284 544	2 649 414	

¹ The latest three months are preliminary.

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

Month	2017	2018	2019	2020	2021	2022	2022 year-to-date
Jan	7,9	4,4	9,4	-0,3	-1,8	13,4	13,4
Feb	1,6	6,6	5,9	2,5	2,0	11,2	12,2
Mar	7,4	1,3	8,7	-6,2	17,9	8,9	11,0
Apr	-1,6	4,5	15,2	-52,2	120,7	3,5	9,0
May	3,5	7,2	3,7	-32,3	52,5	12,4	9,7
Jun	3,2	5,0	4,0	-17,2	28,3	10,0	9,8
Jul	2,0	11,4	4,3	-12,3	3,1	23,9	11,7
Aug	4,9	8,4	4,9	-13,0	10,7	16,6	12,3
Sep	2,5	9,0	-0,7	-2,6	8,5	18,1	13,0
Oct	7,3	12,6	0,1	-2,2	-1,6		
Nov	9,1	5,7	-2,4	0,2	8,4		
Dec	6,8	4,9	-3,3	3,5	10,5		
Total	4,6	6,8	3,8	-11,0	16,0		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2019	2020	2021	2022	2019	2020	2021	2022
Jan	213 916	211 287	211 731	241 443	-0,7	2,8	-0,7	3,5
Feb	210 790	214 246	218 241	243 042	-1,5	1,4	3,1	0,7
Mar	213 040	198 142	230 394	249 537	1,1	-7,5	5,6	2,7
Apr	221 333	104 796	229 727	240 271	3,9	-47,1	-0,3	-3,7
May	211 458	146 160	224 483	248 685	-4,5	39,5	-2,3	3,5
Jun	214 536	174 937	224 121	247 130	1,5	19,7	-0,2	-0,6
Jul	216 573	188 736	197 950	247 576	0,9	7,9	-11,7	0,2
Aug	221 221	196 742	216 512	249 999	2,1	4,2	9,4	1,0
Sep	213 350	205 093	222 915	260 901	-3,6	4,2	3,0	4,4
Oct	215 950	211 479	211 422		1,2	3,1	-5,2	
Nov	210 633	213 560	228 734		-2,5	1,0	8,2	
Dec	205 511	213 121	233 294		-2,4	-0,2	2,0	

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

Manufacturing division and major group	Apr-22	May-22	Jun-22	¹ Jul-22	¹ Aug-22	¹ Sep-22
Food and beverages	54 829	56 897	57 693	56 383	61 578	67 088
Meat, fish, fruit, etc.	16 636	17 810	17 738	17 301	18 370	19 260
Dairy products	4 193	4 268	4 421	4 714	5 189	5 607
Grain mill products	9 475	10 138	10 415	10 416	10 662	11 739
Other food products	10 882	10 116	10 555	10 792	12 570	11 778
Beverages	13 644	14 565	14 562	13 162	14 786	18 705
Textiles, clothing, leather and footwear	4 866	5 436	5 031	5 540	5 808	6 191
Textiles	720	783	751	743	792	826
Other textile products	1 403	1 458	1 451	1 536	1 583	1 763
Knitted, crocheted articles	164	234	213	215	243	273
Wearing apparel	1 581	1 781	1 377	1 568	1 726	1 820
Leather and leather products	390	513	488	600	521	615
Footwear	607	666	750	878	943	893
Wood and wood products, paper, publishing and printing	12 178	12 750	15 398	14 948	16 884	19 395
Sawmilling and planing of wood	939	1 000	1 050	1 264	1 305	1 231
Products of wood	1 837	1 911	2 017	2 203	2 279	2 373
Paper and paper products	5 942	6 249	8 270	7 390	8 387	10 919
Publishing	1 023	1 110	1 149	1 195	1 702	1 625
Printing, recorded media	2 437	2 479	2 913	2 895	3 210	3 248
Petroleum, chemical products, rubber and plastic products	45 735	54 995	55 422	48 168	51 901	55 086
Coke, petroleum products and nuclear fuel	14 059	17 328	18 238	13 152	14 571	15 337
Basic chemicals	9 939	12 455	11 665	11 535	12 056	12 767
Other chemical products	12 639	15 560	15 245	13 245	14 209	15 502
Rubber products	1 795	1 585	1 880	1 676	1 814	1 926
Plastic products	7 302	8 066	8 394	8 561	9 251	9 554
Glass and non-metallic mineral products	6 621	8 317	8 107	8 099	8 650	8 735
Glass and glass products	1 167	1 355	1 314	1 256	1 558	1 564
Non-metallic mineral products	5 453	6 961	6 792	6 843	7 092	7 171
Basic iron and steel, non-ferrous metal products, metal products and machinery	52 806	60 977	62 297	56 403	57 039	57 982
Basic iron and steel products	13 116	15 295	16 894	13 653	13 478	13 103
Non-ferrous metal products	18 105	19 844	18 786	17 379	16 310	17 128
Structural metal products	3 264	3 866	4 621	3 982	4 630	4 975
Other fabricated metal products	7 290	8 351	8 744	8 322	9 035	9 261
General purpose machinery	4 109	5 378	5 386	5 412	5 619	5 852
Special purpose machinery	5 844	7 062	6 669	6 509	6 787	6 437
Household appliances	1 078	1 181	1 196	1 146	1 181	1 226
Electrical machinery	5 526	5 742	5 689	5 835	5 772	6 309
Radio, television and communication apparatus and professional equipment	1 998	2 291	2 460	2 446	2 634	2 813
Radio, television and communication apparatus	741	819	943	976	1 089	1 223
Professional equipment	1 257	1 472	1 516	1 469	1 545	1 590
Motor vehicles, parts and accessories and other transport equipment	30 922	32 330	31 172	38 381	37 317	40 831
Motor vehicles	19 119	19 744	18 006	24 971	23 037	23 937
Bodies for motor vehicles, trailers and semi-trailers	1 299	1 532	1 852	1 665	1 622	1 751
Parts and accessories	8 018	8 361	8 492	9 133	9 940	11 597
Other transport equipment	2 486	2 693	2 821	2 612	2 719	3 545
Furniture and other manufacturing	8 801	10 426	8 541	9 575	8 986	9 516
Furniture	1 282	1 487	1 455	1 400	1 442	1 562
Other manufacturing groups	7 519	8 939	7 086	8 176	7 544	7 954
Total	224 281	250 160	251 809	245 778	256 568	273 945

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	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Food and beverages	6,8	8,9	11,3	21,2	10,0	17,0
Meat, fish, fruit, etc.	15,3	21,7	14,7	25,0	24,7	21,1
Dairy products	2,3	4,8	7,9	5,3	18,0	22,7
Grain mill products	18,6	18,0	23,5	16,8	19,6	29,9
Other food products	-6,0	-16,5	-13,5	-10,9	-3,9	1,8
Beverages	3,1	13,7	25,3	83,4	-0,4	14,9
Textiles, clothing, leather and footwear	-4,0	13,1	3,5	17,4	12,7	13,4
Textiles	-3,6	4,1	1,8	8,9	8,9	4,2
Other textile products	-4,7	3,7	4,5	20,4	14,2	17,2
Knitted, crocheted articles	-4,1	18,8	26,0	22,2	11,5	40,0
Wearing apparel	6,0	32,7	-0,8	19,3	6,2	2,1
Leather and leather products	-26,1	17,4	8,9	20,2	32,6	26,5
Footwear	-8,3	-1,0	2,7	13,7	17,1	27,8
Wood and wood products, paper, publishing and printing	-4,7	-6,4	6,0	18,4	15,6	16,0
Sawmilling and planing of wood	-1,6	-3,3	0,1	41,7	32,9	32,4
Products of wood	5,7	12,1	11,4	12,9	8,9	11,0
Paper and paper products	-11,2	-16,5	1,4	16,1	13,0	27,2
Publishing	-6,2	9,9	-0,6	12,4	22,4	-27,8
Printing, recorded media	5,5	3,9	23,3	22,8	18,1	15,3
Petroleum, chemical products, rubber and plastic products	8,7	26,8	22,1	21,8	23,7	16,2
Coke, petroleum products and nuclear fuel	9,3	25,4	27,4	17,4	8,6	16,7
Basic chemicals	5,1	40,5	17,0	26,5	44,4	17,2
Other chemical products	5,9	23,7	18,2	17,2	26,5	10,5
Rubber products	24,6	1,7	12,3	17,0	18,5	21,0
Plastic products	14,9	23,1	28,3	31,9	24,6	23,1
Glass and non-metallic mineral products	-2,5	12,0	7,4	10,9	12,9	10,4
Glass and glass products	14,0	25,5	16,6	18,8	33,3	33,9
Non-metallic mineral products	-5,5	9,6	5,7	9,5	9,2	6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	6,3	16,3	12,7	15,7	4,9	2,0
Basic iron and steel products	5,6	25,5	25,6	15,5	2,2	-19,8
Non-ferrous metal products	7,5	11,8	0,3	16,8	-12,1	7,4
Structural metal products	7,1	4,1	15,1	9,1	24,3	14,7
Other fabricated metal products	3,3	13,7	17,2	13,0	18,0	14,2
General purpose machinery	1,0	22,8	19,1	30,3	25,9	15,3
Special purpose machinery	11,4	17,8	10,5	8,4	17,0	6,8
Household appliances	6,4	12,2	12,5	31,0	18,9	21,3
Electrical machinery	18,4	14,8	12,1	14,1	6,9	11,8
Radio, television and communication apparatus and professional equipment	-0,1	1,8	14,6	32,6	20,4	17,0
Radio, television and communication apparatus	-6,2	-7,1	7,3	35,9	9,4	8,3
Professional equipment	4,0	7,5	19,6	30,5	29,5	24,8
Motor vehicles, parts and accessories and other transport equipment	-11,7	-3,8	-8,7	63,5	55,3	75,4
Motor vehicles	-9,1	0,1	-14,4	118,0	89,6	108,0
Bodies for motor vehicles, trailers and semi-trailers	10,3	28,0	37,7	37,5	27,6	33,7
Parts and accessories	-25,2	-21,0	-10,0	8,7	22,3	51,6
Other transport equipment	17,9	27,5	20,0	8,3	9,5	26,1
Furniture and other manufacturing	22,1	32,9	4,6	14,1	3,9	7,0
Furniture	20,5	16,0	20,0	6,6	-4,3	-8,8
Other manufacturing groups	22,3	36,2	1,9	15,5	5,6	10,8
Total	3,5	12,4	10,0	23,9	16,6	18,1

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

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

Manufacturing division and major group	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Month-on-month % change
Food and beverages	59 346	59 714	60 294	60 531	64 247	6,1
Meat, fish, fruit, etc.	17 962	17 792	17 780	17 887	18 435	3,1
Dairy products	4 581	4 777	4 943	5 053	5 336	5,6
Grain mill products	10 040	10 374	10 513	10 418	11 577	11,1
Other food products	10 293	10 552	10 863	11 464	11 648	1,6
Beverages	16 471	16 219	16 195	15 710	17 250	9,8
Textiles, clothing, leather and footwear	5 524	5 179	5 357	5 518	5 726	3,8
Textiles	750	745	734	756	750	-0,8
Other textile products	1 460	1 487	1 523	1 588	1 623	2,2
Knitted, crocheted articles	214	211	214	220	247	12,3
Wearing apparel	1 870	1 475	1 502	1 593	1 717	7,8
Leather and leather products	492	487	573	544	559	2,8
Footwear	739	773	812	817	830	1,6
Wood and wood products, paper, publishing and printing	13 583	15 272	15 267	15 928	16 940	6,4
Sawmilling and planing of wood	1 008	1 014	1 160	1 160	1 149	-0,9
Products of wood	2 002	1 933	2 124	2 090	2 122	1,5
Paper and paper products	6 540	7 900	7 736	8 139	9 325	14,6
Publishing	1 302	1 284	1 348	1 502	1 359	-9,5
Printing, recorded media	2 731	3 140	2 900	3 038	2 985	-1,7
Petroleum, chemical products, rubber and plastic products	53 677	52 354	49 769	51 068	52 844	3,5
Coke, petroleum products and nuclear fuel	16 192	16 131	13 136	14 526	15 959	9,9
Basic chemicals	12 332	11 345	12 129	11 871	11 816	-0,5
Other chemical products	15 236	14 614	14 153	14 059	14 446	2,8
Rubber products	1 584	1 741	1 647	1 778	1 807	1,6
Plastic products	8 332	8 523	8 703	8 834	8 815	-0,2
Glass and non-metallic mineral products	7 918	7 811	7 853	8 031	8 048	0,2
Glass and glass products	1 402	1 382	1 316	1 482	1 470	-0,8
Non-metallic mineral products	6 516	6 429	6 538	6 549	6 579	0,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	58 494	58 947	56 976	56 387	56 463	0,1
Basic iron and steel products	14 566	15 400	14 160	13 681	13 220	-3,4
Non-ferrous metal products	18 886	18 262	17 715	16 834	17 492	3,9
Structural metal products	3 838	4 082	3 851	4 344	4 438	2,2
Other fabricated metal products	8 219	8 542	8 212	8 476	8 599	1,5
General purpose machinery	5 052	5 031	5 301	5 235	5 276	0,8
Special purpose machinery	6 784	6 473	6 539	6 604	6 204	-6,1
Household appliances	1 149	1 156	1 199	1 214	1 235	1,7
Electrical machinery	5 803	5 676	5 797	5 561	5 802	4,3
Radio, television and communication apparatus and professional equipment	2 396	2 516	2 572	2 643	2 658	0,6
Radio, television and communication apparatus	924	1 049	1 097	1 088	1 134	4,2
Professional equipment	1 472	1 467	1 474	1 555	1 524	-2,0
Motor vehicles, parts and accessories and other transport equipment	31 891	31 011	34 237	35 347	38 779	9,7
Motor vehicles	19 465	18 094	20 947	21 292	22 191	4,2
Bodies for motor vehicles, trailers and semi-trailers	1 478	1 618	1 545	1 526	1 630	6,8
Parts and accessories	8 081	8 529	9 017	9 759	11 828	21,2
Other transport equipment	2 868	2 769	2 728	2 769	3 129	13,0
Furniture and other manufacturing	10 053	8 649	9 455	8 984	9 393	4,6
Furniture	1 476	1 477	1 389	1 415	1 448	2,3
Other manufacturing groups	8 577	7 172	8 066	7 569	7 945	5,0
Total	248 685	247 130	247 576	249 999	260 901	4,4

Survey information

Introduction	<p>1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.</p> <p>2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2019. Both estimated and seasonally adjusted figures are presented.</p> <p>3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.</p> <p>4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).</p>
Purpose of the survey	<p>5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.</p>
Special Data Dissemination Standard of the IMF	<p>6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.</p>
Scope of the survey	<p>7 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	<p>8 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.</p>
Collection rate	<p>9 The preliminary collection rate for the survey on manufacturing production and sales was 65,6% for September 2022. The improved collection rate for August 2022 was 68,5%.</p>
Statistical unit	<p>10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.</p>
Revised figures	<p>11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.</p>
Related publications	<p>12 Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.</p>

Rounding-off of figures 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.

Historical data 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.

Past publications 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

Survey methodology and design 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 276 enterprises from a population of 29 355 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.

2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2022 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

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

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

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

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

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	2 097 811	17 500 000
Small	3	17 500 001	45 500 000
Medium	2	45 500 001	178 500 000
Large	1	178 500 001	

Sample weighting 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

Index of the volume of manufacturing production 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2019. The production in the base period is set at 100.

Calculation of production index

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
 - tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2022	National accounts

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period			
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 – 2022 (based on value added for 2017 – 2019)
Food and beverages	19,24	19,76	20,18	20,75
Meat, fish, fruit, etc.	2,58	2,74	2,95	3,27
Dairy products	1,27	1,32	1,34	1,39
Grain mill products	1,95	1,81	1,69	1,68
Other food products	7,29	7,53	7,76	7,75
Beverages	6,15	6,36	6,44	6,66
Textiles, clothing, leather and footwear	4,55	4,44	4,38	4,26
Textiles	1,15	1,11	1,10	1,08
Other textile products	0,67	0,67	0,65	0,61
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,13	2,07	2,04	1,98
Leather and leather products	0,29	0,28	0,28	0,27
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,88	10,76	10,77	10,63
Sawmilling and planing of wood	0,93	0,93	0,93	0,87
Products of wood	0,83	0,86	0,87	0,88
Paper and paper products	5,38	5,33	5,39	5,34
Publishing	2,31	2,28	2,24	2,18
Printing, recorded media	1,43	1,36	1,34	1,35
Petroleum, chemical products, rubber and plastic products	24,66	25,25	25,38	24,95
Coke, petroleum products and nuclear fuel	10,98	11,72	12,02	11,85
Basic chemicals	4,10	3,82	3,69	3,50
Other chemical products	6,28	6,42	6,54	6,64
Rubber products	0,96	0,91	0,84	0,76
Plastic products	2,34	2,38	2,29	2,20
Glass and non-metallic mineral products	3,98	3,66	3,42	3,24
Glass and glass products	0,61	0,57	0,51	0,49
Non-metallic mineral products	3,37	3,09	2,91	2,75
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,82	19,55	19,47	19,73
Basic iron and steel products	2,86	2,77	2,82	2,92
Non-ferrous metal products (including precious metals)	3,74	3,48	3,26	3,32
Structural metal products	1,92	1,97	1,98	1,99
Other fabricated metal products	3,33	3,32	3,35	3,53
General purpose machinery	3,35	3,36	3,46	3,42
Special purpose machinery	3,93	3,93	3,87	3,85
Household appliances	0,69	0,71	0,73	0,70
Electrical machinery	2,55	2,42	2,31	2,21
Radio, television and communication apparatus and professional equipment	1,46	1,34	1,21	1,07
Radio, television and communication apparatus	0,43	0,29	0,13	0,04
Professional equipment	1,03	1,05	1,08	1,03
Motor vehicles, parts and accessories and other transport equipment	8,63	8,56	8,66	8,89
Motor vehicles	2,51	2,61	2,65	2,78
Bodies for motor vehicles, trailers and semi-trailers	0,66	0,68	0,71	0,73
Parts and accessories	4,10	3,91	3,93	3,97
Other transport equipment	1,36	1,36	1,37	1,40
Furniture and other manufacturing	4,22	4,26	4,21	4,27
Furniture	0,88	0,91	0,86	0,78
Other manufacturing groups	3,34	3,35	3,35	3,49
Total	100	100	100	100

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

Glossary

Enterprise The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

Industry An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

Sales Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.

Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
Rm	R million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
SDDS	Special Data Dissemination Standard
Stats SA	Statistics South Africa
VAT	Value added tax
*	Revised figures

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Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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