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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for September 2009

Actual estimates	September 2009	% change between September 2008 and September 2009	% change between July to September 2008 and July to September 2009	% change between January to September 2008 and January to September 2009
Physical volume of manufacturing production index (2005=100)	101,4	-11,4	-13,4	-15,2
Total value of sales of manufactured products (R million)	101 803	-16,1	-19,1	-16,3

Seasonally adjusted estimates	September 2009	% change between August and September 2009	% change between April to June 2009 and July to September 2009
Physical volume of manufacturing production index (2005=100)	97,3	3,1	2,6
Total value of sales of manufactured products (R million)	96 511	2,4	1,7

Manufacturing production after seasonal adjustment improved

The seasonally adjusted manufacturing production for the third quarter of 2009 increased by 2,6% compared with the second quarter of 2009, better than the 0,8% quarter-on-quarter increase in August 2009. Higher production levels were reported by six of the ten manufacturing divisions during the third quarter of 2009.

The increase was driven mainly by higher production in the basic iron and steel, non-ferrous metal products, metal products and machinery division and the motor vehicles, parts and accessories and other transport equipment division (each contributing 0,8 of a percentage point), followed by the food and beverages division and the petroleum, chemical products, rubber and plastic products division (each contributing 0,7 of a percentage point). However, these increases were partially counteracted by decreases reported by the furniture and other manufacturing division (contributing -0,3 of a percentage point) and the wood and wood products, paper, publishing and printing division (contributing -0,2 of a percentage point) (see Table B).

The estimated manufacturing production for September 2009 decreased by 11,4% compared with September 2008.

The 11,4% decrease in manufacturing production in September 2009 compared with September 2008 was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-14,1% and contributing -3,0 percentage points), followed by the motor vehicles, parts and accessories and other transport equipment division (-22,8% and contributing -2,4 percentage points) and the petroleum, chemical products, rubber and plastic products division (-9,5% and contributing -2,2 percentage points). The only significant positive contribution was the food and beverages division (5,6% and contributing 0,9 of a percentage point) (see Table 4b).

Table B – Contribution of manufacturing divisions and major groups to the total of seasonally adjusted manufacturing production

Base 2005=100

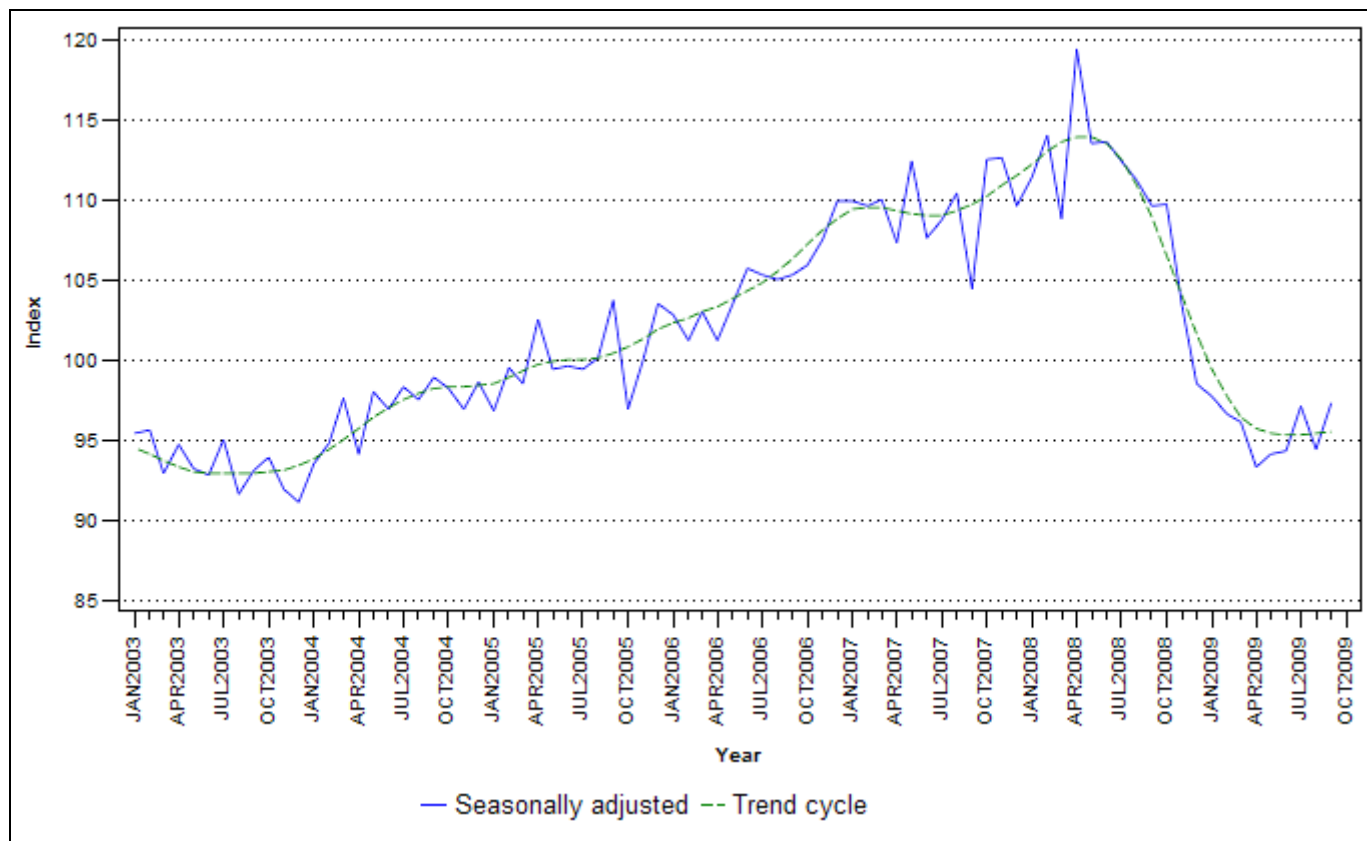
Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey (LSS) of the manufacturing industry, 2005	Average seasonally adjusted production index for April to June 2009	Average seasonally adjusted production index for July to September 2009	Quarterly percentage change of July to September 2009 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	15,4	109,2	113,4	3,8	0,7
-Food and food products	8,6	106,2	112,9	6,3	0,6
-Beverages	6,8	113,0	114,2	1,1	0,1
Textiles, clothing, leather and footwear	4,9	88,4	85,8	-2,9	-0,1
-Textiles	1,6	74,7	72,9	-2,4	0,0
-Wearing apparel	2,3	97,3	90,6	-6,9	-0,2
-Leather and leather products	0,6	81,0	84,2	4,0	0,0
-Footwear	0,4	102,6	110,6	7,8	0,0
Wood and wood products, paper, publishing and printing	10,2	91,7	89,7	-2,2	-0,2
-Wood and products of wood	2,0	80,3	81,1	1,0	0,0
-Paper and paper products	3,8	102,4	100,0	-2,3	-0,1
-Publishing and printing	4,3	87,5	84,6	-3,3	-0,1
Petroleum, chemical products, rubber and plastic products	22,1	103,8	106,7	2,8	0,7
-Coke, petroleum products and nuclear fuel	8,5	97,2	91,9	-5,5	-0,5
-Basic chemicals	4,5	98,3	108,5	10,4	0,5
-Other chemical products	5,3	104,1	108,8	4,5	0,3
-Rubber products	1,0	74,7	74,5	-0,3	0,0
-Plastic products	2,7	143,2	157,5	10,0	0,4
Glass and non-metallic mineral products	4,8	93,9	96,6	2,9	0,1
-Glass and glass products	1,0	115,9	119,0	2,7	0,0
-Non-metallic mineral products	3,8	88,4	91,0	2,9	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	82,9	86,1	3,9	0,8
-Basic iron and steel products	7,7	66,0	75,6	14,5	0,8
-Basic precious, non-ferrous metal products	3,4	95,3	96,3	1,0	0,0
-Fabricated metal products	5,7	102,8	98,3	-4,4	-0,3
Machinery and equipment	6,1	78,4	81,8	4,3	0,2
Electrical machinery	2,5	117,8	122,8	4,2	0,1
Radio, television and communication apparatus and professional equipment	1,1	100,8	99,8	-1,0	0,0
-Radio, television and communication apparatus	0,4	104,0	99,4	-4,4	0,0
-Professional equipment	0,7	98,8	100,0	1,2	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	73,2	79,7	8,9	0,8
-Motor vehicles, trailers, parts and accessories	10,0	68,3	75,7	10,8	0,8
-Other transport equipment	0,9	125,1	122,4	-2,2	0,0
Furniture and other manufacturing division	5,2	94,5	89,6	-5,2	-0,3
-Furniture	1,3	89,7	85,9	-4,2	-0,1
-Other manufacturing groups	3,9	96,1	90,8	-5,5	-0,2
Total	100,0	93,9	96,3	2,6	2,6

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the change in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2003 and September 2009.

Figure 1 – Index of the physical volume of manufacturing production

Base 2005=100



Seasonally adjusted sales of manufactured products improves

The estimated total value of sales of manufactured products at current prices for the third quarter of 2009 increased by 1,7% (R4 896 million), after seasonal adjustment, compared with the second quarter of 2009. Higher manufacturing sales were reported by six of the ten manufacturing divisions during this period (see Table C).

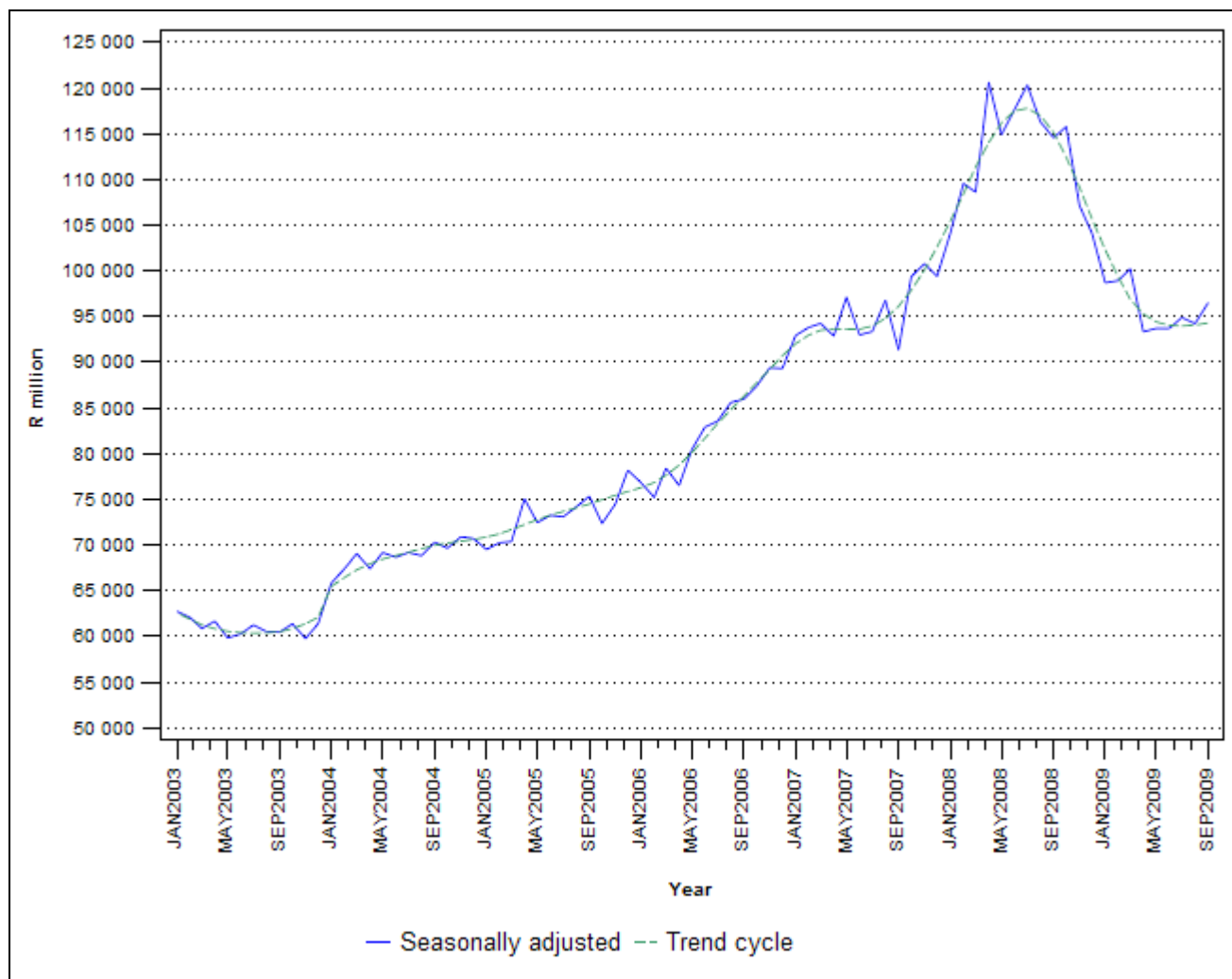
Large increases were mainly reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (4,9% or R2 597 million), the petroleum, chemical products, rubber and plastic products division (3,7% or R2 390 million) and the food and beverages division (2,4% or R1 391 million) during the third quarter of 2009 (see Table C).

Table C – Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales April to June 2009	Seasonally adjusted sales July to September 2009	Percentage change between April to June 2009 and July to September 2009	Difference in seasonally adjusted sales between April to June 2009 and July to September 2009
	R '000	R '000		R '000
Food and beverages	59 023 631	60 414 543	2,4	1 390 912
-Food and food products	44 769 600	45 816 194	2,3	1 046 594
-Beverages	14 254 028	14 598 350	2,4	344 322
Textiles, clothing, leather and footwear	9 685 136	9 338 266	-3,6	-346 870
-Textiles	3 818 546	3 656 482	-4,2	-162 064
-Wearing apparel	4 046 316	3 782 150	-6,5	-264 166
-Leather and leather products	944 020	999 040	5,8	55 020
-Footwear	876 256	900 595	2,8	24 339
Wood and wood products, paper, publishing and printing	25 494 671	24 879 336	-2,4	-615 335
-Wood and products of wood	5 438 237	5 428 353	-0,2	-9 884
-Paper and paper products	11 543 339	10 960 433	-5,0	-582 906
-Publishing and printing	8 513 096	8 490 548	-0,3	-22 548
Petroleum, chemical products, rubber and plastic products	64 750 758	67 141 146	3,7	2 390 388
-Coke, petroleum products and nuclear fuel	22 408 326	24 056 710	7,4	1 648 384
-Basic chemicals	12 615 548	12 276 582	-2,7	-338 966
-Other chemical products	15 810 543	15 998 254	1,2	187 711
-Rubber products	2 945 809	3 040 424	3,2	94 615
-Plastic products	10 970 532	11 769 176	7,3	798 644
Glass and non-metallic mineral products	8 685 007	8 946 706	3,0	261 699
-Glass and glass products	1 562 468	1 576 975	0,9	14 507
-Non-metallic mineral products	7 122 539	7 369 732	3,5	247 193
Basic iron and steel, non-ferrous metal products, metal products and machinery	53 460 439	56 057 544	4,9	2 597 105
-Basic iron and steel products	17 525 279	19 907 267	13,6	2 381 988
-Basic precious, non-ferrous metal products	7 599 686	7 678 761	1,0	79 075
-Fabricated metal products	14 621 503	14 270 260	-2,4	-351 243
-Machinery and equipment	13 713 971	14 201 252	3,6	487 281
Electrical machinery	9 517 106	9 314 681	-2,1	-202 425
Radio, television and communication apparatus and professional equipment	3 631 856	3 690 253	1,6	58 397
-Radio, television and communication apparatus	1 649 685	1 712 298	3,8	62 613
-Professional equipment	1 982 171	1 977 956	-0,2	-4 215
Motor vehicles, parts and accessories and other transport equipment	32 837 949	31 953 800	-2,7	-884 149
-Motor vehicles, trailers, parts and accessories	28 712 664	27 971 583	-2,6	-741 081
-Other transport equipment	4 125 284	3 982 217	-3,5	-143 067
Furniture and other manufacturing division	13 634 604	13 880 398	1,8	245 794
-Furniture	2 782 744	2 690 985	-3,3	-91 759
-Other manufacturing groups	10 851 859	11 189 413	3,1	337 554
Total	280 721 158	285 616 673	1,7	4 895 515

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2003 and September 2009.

Figure 2 – Total estimated sales of manufactured products at current prices



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Detailed results: Tables

Table 1 – Total index of the physical volume of manufacturing production: 2003 – 2009

Base 2005 = 100

Month	2003	2004	2005	2006	2007	2008	2009
Jan	84,2	82,6	85,2	89,8	95,2	96,2	83,9
Feb	92,6	91,5	95,5	96,8	104,6	108,5	92,0
Mar	96,0	100,8	101,8	106,3	113,4	112,0	98,9
Apr	88,8	88,9	96,2	95,4	100,6	111,8	87,5
May	93,8	98,7	100,3	104,2	113,2	114,3	94,5
Jun	93,4	97,6	100,1	106,6	108,9	115,1	95,5
Jul	96,5	100,0	100,9	107,4	111,1	115,3	1/ 99,5
Aug	93,9	100,3	103,3	108,7	114,4	115,0	1/ 97,5
Sep	96,1	102,3	107,5	109,6	108,8	114,5	1/ 101,4
Oct	103,3	108,2	106,9	117,0	124,2	121,4	
Nov	101,6	107,5	110,7	119,0	124,3	114,7	
Dec	80,7	87,0	91,4	96,9	96,6	88,2	
Year	93,4	97,1	100,0	104,8	109,6	110,6	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	1,0	-1,9	3,1	5,4	6,0	1,1	-12,8
Feb	0,8	-1,2	4,4	1,4	8,1	3,7	-15,2
Mar	0,1	5,0	1,0	4,4	6,7	-1,2	-11,7
Apr	-4,1	0,1	8,2	-0,8	5,5	11,1	-21,7
May	-4,2	5,2	1,6	3,9	8,6	1,0	-17,3
Jun	-1,5	4,5	2,6	6,5	2,2	5,7	-17,0
Jul	-0,1	3,6	0,9	6,4	3,4	3,8	-13,7
Aug	-3,7	6,8	3,0	5,2	5,2	0,5	-15,2
Sep	-3,0	6,5	5,1	2,0	-0,7	5,2	-11,4
Oct	-2,7	4,7	-1,2	9,4	6,2	-2,3	
Nov	-4,3	5,8	3,0	7,5	4,5	-7,7	
Dec	-1,6	7,8	5,1	6,0	-0,3	-8,7	
Year	-2,0	4,0	3,0	4,8	4,6	0,9	

The annual percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2003 – 2009

Base 2005 = 100

Month	2003	2004	2005	2006	2007	2008	2009
Jan	95,4	93,5	96,8	102,8	109,9	111,4	97,7
Feb	95,6	94,8	99,5	101,2	109,6	114,0	96,6
Mar	92,9	97,6	98,5	103,0	110,0	108,8	96,1
Apr	94,7	94,1	102,5	101,2	107,3	119,4	93,3
May	93,2	98,0	99,4	103,4	112,4	113,5	94,1
Jun	92,8	96,9	99,6	105,7	107,6	113,6	94,3
Jul	95,0	98,3	99,4	105,3	108,7	112,4	97,1
Aug	91,6	97,5	100,1	105,0	110,4	111,2	94,4
Sep	93,1	98,9	103,7	105,3	104,4	109,6	97,3
Oct	93,9	98,2	96,9	105,9	112,5	109,7	
Nov	91,9	96,9	100,0	107,5	112,6	103,4	
Dec	91,1	98,6	103,5	109,9	109,6	98,5	

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 2005 = 100

Manufacturing divisions and major groups	Weights	Year 2008	Actual indices			Seasonally adjusted indices		
			September 2008	1/ August 2009	1/ September 2009	September 2008	August 2009	September 2009
Food and beverages	15,4	109,6	113,5	110,4	119,9	108,3	108,6	114,5
-Meat, fish, fruit, etc.	1,8	108,7	106,3	104,2	114,6	106,9	107,1	115,4
-Dairy products	0,8	110,9	112,8	108,9	113,9	109,3	111,0	110,6
-Grain mill products	0,8	108,6	110,2	104,6	113,6	108,1	105,8	111,3
-Other food products	5,2	105,3	115,2	124,7	124,0	103,7	107,7	112,2
-Beverages	6,8	113,1	114,5	102,0	119,6	112,0	109,9	116,9
Textiles, clothing, leather and footwear	4,9	104,8	107,9	86,6	88,4	103,0	83,1	84,2
-Textiles	0,7	90,5	88,3	63,9	69,9	84,4	60,8	67,3
-Other textile products	0,9	99,6	94,8	81,2	78,9	93,4	77,1	77,7
-Knitted, crocheted articles	0,2	112,1	110,1	93,4	88,6	109,2	91,6	88,3
-Wearing apparel	2,1	110,5	117,2	91,8	90,0	111,4	89,7	85,6
-Leather and leather products	0,6	101,3	101,1	82,6	83,5	100,6	82,5	82,7
-Footwear	0,4	111,6	129,0	111,0	136,9	112,3	96,0	119,2
Wood and wood products, paper, publishing and printing	10,2	108,3	115,1	90,7	96,1	108,9	88,4	90,8
-Sawmilling and planing of wood	0,7	95,7	94,6	75,7	81,3	91,0	73,3	78,4
-Products of wood	1,3	103,5	108,8	87,1	93,5	100,8	81,1	86,4
-Paper and paper products	3,8	121,8	132,3	100,4	110,4	124,0	98,9	103,3
-Publishing	1,9	105,9	111,3	83,1	85,4	107,2	82,9	82,1
-Printing, recorded media	2,5	95,5	100,4	87,4	87,6	96,1	84,5	83,8
Petroleum, chemical products, rubber and plastic products	22,1	117,9	119,5	105,9	108,1	119,2	104,0	108,1
-Coke, petroleum products and nuclear fuel	8,5	95,8	86,5	85,4	82,9	95,8	87,6	91,8
-Basic chemicals	4,5	152,5	162,0	113,0	117,4	155,0	105,7	112,4
-Other chemical products	5,3	119,2	128,4	108,8	113,0	123,2	107,9	108,6
-Rubber products	1,0	91,0	93,2	75,2	81,1	88,0	71,5	76,4
-Plastic products	2,7	137,3	144,4	163,8	171,6	136,2	156,9	162,2
Glass and non-metallic mineral products	4,8	110,4	115,8	100,1	101,9	109,2	97,1	96,4
-Glass and glass products	1,0	123,1	131,6	122,0	119,5	126,1	122,4	114,9
-Non-metallic mineral products	3,8	107,2	111,9	94,6	97,5	104,9	90,8	91,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	107,9	89,6	92,7	102,9	85,7	88,4
-Basic iron and steel products	7,7	94,8	99,9	83,6	86,2	92,4	78,9	79,1
-Non-ferrous metal products	3,4	102,8	100,4	94,6	98,0	100,8	91,8	98,4
-Structural metal products	2,0	124,2	129,4	96,0	95,2	121,0	92,4	89,0
-Other fabricated metal products	3,8	125,8	129,8	100,2	105,9	125,6	98,6	102,8
-General purpose machinery	2,4	93,4	92,3	75,5	78,2	86,1	70,9	73,2
-Special purpose machinery	3,1	108,8	107,5	91,1	96,6	104,1	85,8	93,9
-Household appliances	0,6	104,4	109,8	98,5	92,7	107,2	93,8	90,6
Electrical machinery	2,5	124,9	140,5	121,8	133,0	131,8	116,2	124,3
Radio, television and communication apparatus and professional equipment	1,1	106,0	111,8	98,5	103,8	103,7	97,6	96,6
-Radio, television and communication apparatus	0,4	117,6	122,2	99,4	106,7	114,5	98,7	100,8
-Professional equipment	0,7	98,6	105,2	97,9	101,9	96,8	97,0	93,9
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	109,0	83,1	84,1	102,8	77,3	79,5
-Motor vehicles	4,9	99,7	104,9	63,3	60,7	99,6	57,0	57,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	177,2	104,2	105,7	155,7	95,1	93,0
-Parts and accessories	4,7	105,4	108,0	92,6	101,4	99,5	86,5	93,2
-Other transport equipment	0,9	116,9	102,4	128,5	108,7	110,3	128,4	118,9
Furniture and other manufacturing division	5,2	118,2	128,3	97,0	100,0	115,3	94,9	89,9
-Furniture	1,3	106,3	110,2	86,9	92,0	103,5	84,8	86,8
-Other manufacturing groups	3,9	122,2	134,4	100,3	102,7	119,3	98,3	90,8
Total	100,0	110,6	114,5	97,5	101,4	109,6	94,4	97,3

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base 2005 = 100

Manufacturing divisions and major groups	Weights	Year 2008	Indices			Seasonally adjusted indices		
			September 2008	1/ September 2009	Percentage change between September 2008 and September 2009	August 2009	September 2009	Percentage change between August and September 2009
Food and beverages	15,4	109,6	113,5	119,9	5,6	108,6	114,5	5,4
-Meat, fish, fruit, etc.	1,8	108,7	106,3	114,6	7,8	107,1	115,4	7,7
-Dairy products	0,8	110,9	112,8	113,9	1,0	111,0	110,6	-0,4
-Grain mill products	0,8	108,6	110,2	113,6	3,1	105,8	111,3	5,2
-Other food products	5,2	105,3	115,2	124,0	7,6	107,7	112,2	4,2
-Beverages	6,8	113,1	114,5	119,6	4,5	109,9	116,9	6,4
Textiles, clothing, leather and footwear	4,9	104,8	107,9	88,4	-18,1	83,1	84,2	1,3
-Textiles	0,7	90,5	88,3	69,9	-20,8	60,8	67,3	10,7
-Other textile products	0,9	99,6	94,8	78,9	-16,8	77,1	77,7	0,8
-Knitted, crocheted articles	0,2	112,1	110,1	88,6	-19,5	91,6	88,3	-3,6
-Wearing apparel	2,1	110,5	117,2	90,0	-23,2	89,7	85,6	-4,6
-Leather and leather products	0,6	101,3	101,1	83,5	-17,4	82,5	82,7	0,2
-Footwear	0,4	111,6	129,0	136,9	6,1	96,0	119,2	24,2
Wood and wood products, paper, publishing and printing	10,2	108,3	115,1	96,1	-16,5	88,4	90,8	2,7
-Sawmilling and planing of wood	0,7	95,7	94,6	81,3	-14,1	73,3	78,4	7,0
-Products of wood	1,3	103,5	108,8	93,5	-14,1	81,1	86,4	6,5
-Paper and paper products	3,8	121,8	132,3	110,4	-16,6	98,9	103,3	4,4
-Publishing	1,9	105,9	111,3	85,4	-23,3	82,9	82,1	-1,0
-Printing, recorded media	2,5	95,5	100,4	87,6	-12,7	84,5	83,8	-0,8
Petroleum, chemical products, rubber and plastic products	22,1	117,9	119,5	108,1	-9,5	104,0	108,1	3,9
-Coke, petroleum products and nuclear fuel	8,5	95,8	86,5	82,9	-4,2	87,6	91,8	4,8
-Basic chemicals	4,5	152,5	162,0	117,4	-27,5	105,7	112,4	6,3
-Other chemical products	5,3	119,2	128,4	113,0	-12,0	107,9	108,6	0,6
-Rubber products	1,0	91,0	93,2	81,1	-13,0	71,5	76,4	6,9
-Plastic products	2,7	137,3	144,4	171,6	18,8	156,9	162,2	3,4
Glass and non-metallic mineral products	4,8	110,4	115,8	101,9	-12,0	97,1	96,4	-0,7
-Glass and glass products	1,0	123,1	131,6	119,5	-9,2	122,4	114,9	-6,1
-Non-metallic mineral products	3,8	107,2	111,9	97,5	-12,9	90,8	91,8	1,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	105,6	107,9	92,7	-14,1	85,7	88,4	3,2
-Basic iron and steel products	7,7	94,8	99,9	86,2	-13,7	78,9	79,1	0,3
-Non-ferrous metal products	3,4	102,8	100,4	98,0	-2,4	91,8	98,4	7,2
-Structural metal products	2,0	124,2	129,4	95,2	-26,4	92,4	89,0	-3,7
-Other fabricated metal products	3,8	125,8	129,8	105,9	-18,4	98,6	102,8	4,3
-General purpose machinery	2,4	93,4	92,3	78,2	-15,3	70,9	73,2	3,2
-Special purpose machinery	3,1	108,8	107,5	96,6	-10,1	85,8	93,9	9,4
-Household appliances	0,6	104,4	109,8	92,7	-15,6	93,8	90,6	-3,4
-Electrical machinery	2,5	124,9	140,5	133,0	-5,3	116,2	124,3	7,0
Radio, television and communication apparatus and professional equipment	1,1	106,0	111,8	103,8	-7,2	97,6	96,6	-1,0
-Radio, television and communication apparatus	0,4	117,6	122,2	106,7	-12,7	98,7	100,8	2,1
-Professional equipment	0,7	98,6	105,2	101,9	-3,1	97,0	93,9	-3,2
Motor vehicles, parts and accessories and other transport equipment	10,9	105,8	109,0	84,1	-22,8	77,3	79,5	2,8
-Motor vehicles	4,9	99,7	104,9	60,7	-42,1	57,0	57,5	0,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	177,2	105,7	-40,3	95,1	93,0	-2,2
-Parts and accessories	4,7	105,4	108,0	101,4	-6,1	86,5	93,2	7,7
-Other transport equipment	0,9	116,9	102,4	108,7	6,2	128,4	118,9	-7,4
Furniture and other manufacturing division	5,2	118,2	128,3	100,0	-22,1	94,9	89,9	-5,3
-Furniture	1,3	106,3	110,2	92,0	-16,5	84,8	86,8	2,4
-Other manufacturing groups	3,9	122,2	134,4	102,7	-23,6	98,3	90,8	-7,6
Total	100,0	110,6	114,5	101,4	-11,4	94,4	97,3	3,1

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000): 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	55 009 733	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861
Feb	62 776 744	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035
Mar	65 353 365	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244
Apr	61 106 613	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078
May	62 771 090	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610
Jun	63 469 656	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	95 271 113
Jul	63 959 307	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	1/ 97 023 688
Aug	63 943 780	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	1/ 98 107 509
Sep	65 542 853	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	1/ 101 803 005
Oct	70 264 798	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	
Nov	68 981 595	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	
Dec	58 390 098	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	
Year	761 569 632	828 002 536	878 902 374	993 377 692	1 145 786 642	1 357 524 329	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated sales of the manufacturing industry: 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	9,9	1,3	5,4	10,6	21,1	12,2	-5,6
Feb	7,1	3,6	3,9	6,8	24,4	16,2	-9,5
Mar	4,6	8,5	1,6	11,1	20,1	14,6	-7,7
Apr	-2,7	4,3	10,9	1,5	21,0	29,7	-22,6
May	-3,6	10,8	4,6	10,9	20,9	18,5	-19,0
Jun	-0,2	9,2	6,8	13,4	12,6	27,0	-20,7
Jul	-2,3	9,2	6,1	14,8	12,1	29,7	-21,6
Aug	-4,4	10,5	8,4	16,0	13,5	20,9	-19,5
Sep	-5,5	12,6	7,6	14,4	6,3	25,7	-16,1
Oct	-4,8	8,7	4,0	20,9	13,8	16,5	
Nov	-7,1	14,1	5,4	19,7	12,5	6,2	
Dec	-1,8	10,1	9,6	12,9	11,0	5,5	
Year	-1,3	8,7	6,1	13,0	15,3	18,5	

The annual percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry at current prices (R'000): 2003 – 2009

Month	2003	2004	2005	2006	2007	2008	2009
Jan	65 257 329	65 856 127	69 500 695	76 833 259	92 919 945	104 057 727	98 690 076
Feb	64 786 310	67 392 134	70 256 321	75 195 803	93 809 640	109 558 317	98 931 749
Mar	63 306 132	69 069 055	70 362 781	78 403 939	94 242 143	108 603 816	100 203 573
Apr	64 696 057	67 388 999	75 051 132	76 508 261	92 858 631	120 640 235	93 323 687
May	62 363 995	69 171 482	72 446 211	80 448 086	97 101 520	114 893 312	93 703 814
Jun	62 733 805	68 655 302	73 247 320	82 893 719	92 982 108	117 672 356	93 693 657
Jul	63 671 855	69 179 551	73 078 262	83 557 929	93 360 471	120 317 050	94 886 232
Aug	62 643 687	68 826 742	74 156 603	85 588 592	96 769 429	116 287 574	94 219 125
Sep	62 687 494	70 301 246	75 330 629	85 965 420	91 355 852	114 562 893	96 511 316
Oct	64 048 831	69 639 380	72 349 181	87 387 780	99 359 959	115 759 226	
Nov	62 080 835	70 884 147	74 453 641	89 388 597	100 783 108	107 145 381	
Dec	63 958 468	70 713 102	78 180 919	89 321 399	99 399 510	104 070 337	

Table 8a – Estimated sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		September 2008	1/ August 2009	1/ September 2009	September 2008	August 2009	September 2009
Food and beverages	230 362 367	19 957 853	19 346 415	20 749 699	19 689 795	19 569 311	20 491 627
-Meat, fish, fruit, etc.	60 082 160	5 184 426	5 102 659	5 417 219	5 107 478	5 160 820	5 347 036
-Dairy products	19 901 003	1 715 702	1 669 855	1 751 175	1 683 822	1 705 730	1 722 604
-Grain mill products	46 998 257	4 156 182	3 649 344	3 824 783	4 146 399	3 686 782	3 816 513
-Other food products	49 553 173	4 356 062	4 493 531	4 745 254	4 244 540	4 271 944	4 627 480
-Beverages	53 827 774	4 545 481	4 431 026	5 011 268	4 507 555	4 744 035	4 977 995
Textiles, clothing, leather and footwear	43 745 997	3 712 725	3 125 811	3 147 549	3 584 078	3 026 748	3 044 799
-Textiles	6 481 096	565 080	456 486	446 566	545 809	440 805	434 634
-Other textile products	11 665 428	921 674	761 138	764 086	932 298	726 385	776 149
-Knitted, crocheted articles	1 768 896	141 383	120 297	111 640	143 435	119 468	114 305
-Wearing apparel	15 973 282	1 380 623	1 157 817	1 126 998	1 308 499	1 134 023	1 072 244
-Leather and leather products	4 318 960	363 822	323 665	352 886	354 779	318 935	343 508
-Footwear	3 538 335	340 143	306 408	345 373	299 258	287 131	303 960
Wood and wood products, paper, publishing and printing	110 137 969	10 149 363	8 305 949	9 122 511	9 461 134	8 110 177	8 507 979
-Sawmilling and planing of wood	7 896 405	692 768	570 850	562 848	673 464	541 970	548 564
-Products of wood	17 742 096	1 608 892	1 313 022	1 419 228	1 473 022	1 228 283	1 298 384
-Paper and paper products	48 951 809	4 705 777	3 578 761	4 240 915	4 258 732	3 543 406	3 840 158
-Publishing	14 592 803	1 292 977	1 095 602	1 107 603	1 258 007	1 088 297	1 078 238
-Printing, recorded media	20 954 856	1 848 949	1 747 714	1 791 917	1 797 908	1 708 220	1 742 634
Petroleum, chemical products, rubber and plastic products	316 559 125	29 018 819	24 458 296	23 739 289	27 356 945	22 783 422	22 458 429
-Coke, petroleum products and nuclear fuel	125 107 924	11 033 276	9 939 422	8 174 214	10 493 989	8 623 366	7 793 043
-Basic chemicals	74 181 951	7 285 444	4 270 410	4 660 674	6 656 100	4 074 116	4 255 020
-Other chemical products	64 081 392	5 848 368	5 229 444	5 587 726	5 611 815	5 194 954	5 376 993
-Rubber products	13 079 823	1 150 173	991 413	1 074 785	1 113 227	970 220	1 043 839
-Plastic products	40 108 035	3 701 558	4 027 607	4 241 890	3 481 813	3 920 767	3 989 534
Glass and non-metallic mineral products	37 229 204	3 413 038	3 092 139	3 250 536	3 159 939	2 914 842	3 011 559
-Glass and glass products	6 211 863	595 796	538 322	589 114	532 508	521 284	526 657
-Non-metallic mineral products	31 017 341	2 817 242	2 553 817	2 661 422	2 627 431	2 393 559	2 484 902
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	28 199 015	19 809 502	20 543 066	26 327 902	18 549 446	19 205 360
-Basic iron and steel products	131 486 550	12 417 813	7 653 469	7 636 953	11 334 156	6 917 783	6 920 592
-Non-ferrous metal products	43 379 771	3 697 722	2 457 270	2 768 381	3 572 762	2 389 236	2 673 980
-Structural metal products	26 244 171	2 339 938	1 737 958	1 690 874	2 169 478	1 634 457	1 568 399
-Other fabricated metal products	42 385 944	3 860 497	3 119 302	3 307 473	3 642 324	2 989 162	3 129 930
-General purpose machinery	26 166 605	2 336 829	1 925 437	1 997 888	2 183 296	1 812 747	1 871 178
-Special purpose machinery	30 901 023	2 704 317	2 136 672	2 366 152	2 594 953	2 044 022	2 274 954
-Household appliances	9 864 914	841 899	779 394	775 345	830 934	762 037	766 326
-Electrical machinery	41 188 668	3 866 366	3 152 087	3 404 455	3 568 223	3 032 360	3 145 557
Radio, television and communication apparatus and professional equipment	14 956 319	1 338 674	1 235 362	1 309 682	1 216 296	1 207 069	1 192 347
-Radio, television and communication apparatus	7 503 117	668 187	577 729	653 875	601 735	568 445	590 563
-Professional equipment	7 453 202	670 487	657 633	655 807	614 561	638 624	601 784
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 443 476	10 913 461	11 539 002	15 259 575	10 412 071	10 783 097
-Motor vehicles	96 884 183	8 456 704	4 955 353	5 534 206	7 683 708	4 722 886	5 021 509
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	813 513	553 670	563 863	721 299	497 636	501 042
-Parts and accessories	71 341 166	5 992 311	3 990 661	4 245 077	5 595 186	3 799 374	3 966 288
-Other transport equipment	15 312 945	1 180 948	1 413 777	1 195 856	1 259 382	1 392 175	1 294 258
Furniture and other manufacturing division	60 751 590	5 255 836	4 668 487	4 997 216	4 939 003	4 613 679	4 670 561
-Furniture	12 491 467	1 098 540	903 087	953 573	1 029 649	893 197	898 385
-Other manufacturing groups	48 260 123	4 157 296	3 765 400	4 043 643	3 909 354	3 720 481	3 772 176
Total	1 357 524 329	121 355 165	98 107 509	101 803 005	114 562 893	94 219 125	96 511 316

1/ Preliminary.

Table 8b – Estimated sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		September 2008	1/ September 2009	Percentage change between September 2008 and September 2009	August 2009	September 2009	Percentage change between August and September 2009
Food and beverages	230 362 367	19 957 853	20 749 699	4,0	19 569 311	20 491 627	4,7
-Meat, fish, fruit, etc.	60 082 160	5 184 426	5 417 219	4,5	5 160 820	5 347 036	3,6
-Dairy products	19 901 003	1 715 702	1 751 175	2,1	1 705 730	1 722 604	1,0
-Grain mill products	46 998 257	4 156 182	3 824 783	-8,0	3 686 782	3 816 513	3,5
-Other food products	49 553 173	4 356 062	4 745 254	8,9	4 271 944	4 627 480	8,3
-Beverages	53 827 774	4 545 481	5 011 268	10,2	4 744 035	4 977 995	4,9
Textiles, clothing, leather and footwear	43 745 997	3 712 725	3 147 549	-15,2	3 026 748	3 044 799	0,6
-Textiles	6 481 096	565 080	446 566	-21,0	440 805	434 634	-1,4
-Other textile products	11 665 428	921 674	764 086	-17,1	726 385	776 149	6,9
-Knitted, crocheted articles	1 768 896	141 383	111 640	-21,0	119 468	114 305	-4,3
-Wearing apparel	15 973 282	1 380 623	1 126 998	-18,4	1 134 023	1 072 244	-5,4
-Leather and leather products	4 318 960	363 822	352 886	-3,0	318 935	343 508	7,7
-Footwear	3 538 335	340 143	345 373	1,5	287 131	303 960	5,9
Wood and wood products, paper, publishing and printing	110 137 969	10 149 363	9 122 511	-10,1	8 110 177	8 507 979	4,9
-Sawmilling and planing of wood	7 896 405	692 768	562 848	-18,8	541 970	548 564	1,2
-Products of wood	17 742 096	1 608 892	1 419 228	-11,8	1 228 283	1 298 384	5,7
-Paper and paper products	48 951 809	4 705 777	4 240 915	-9,9	3 543 406	3 840 158	8,4
-Publishing	14 592 803	1 292 977	1 107 603	-14,3	1 088 297	1 078 238	-0,9
-Printing, recorded media	20 954 856	1 848 949	1 791 917	-3,1	1 708 220	1 742 634	2,0
Petroleum, chemical products, rubber and plastic products	316 559 125	29 018 819	23 739 289	-18,2	22 783 422	22 458 429	-1,4
-Coke, petroleum products and nuclear fuel	125 107 924	11 033 276	8 174 214	-25,9	8 623 366	7 793 043	-9,6
-Basic chemicals	74 181 951	7 285 444	4 660 674	-36,0	4 074 116	4 255 020	4,4
-Other chemical products	64 081 392	5 848 368	5 587 726	-4,5	5 194 954	5 376 993	3,5
-Rubber products	13 079 823	1 150 173	1 074 785	-6,6	970 220	1 043 839	7,6
-Plastic products	40 108 035	3 701 558	4 241 890	14,6	3 920 767	3 989 534	1,8
Glass and non-metallic mineral products	37 229 204	3 413 038	3 250 536	-4,8	2 914 842	3 011 559	3,3
-Glass and glass products	6 211 863	595 796	589 114	-1,1	521 284	526 657	1,0
-Non-metallic mineral products	31 017 341	2 817 242	2 661 422	-5,5	2 393 559	2 484 902	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	310 428 978	28 199 015	20 543 066	-27,1	18 549 446	19 205 360	3,5
-Basic iron and steel products	131 486 550	12 417 813	7 636 953	-38,5	6 917 783	6 920 592	0,0
-Non-ferrous metal products	43 379 771	3 697 722	2 768 381	-25,1	2 389 236	2 673 980	11,9
-Structural metal products	26 244 171	2 339 938	1 690 874	-27,7	1 634 457	1 568 399	-4,0
-Other fabricated metal products	42 385 944	3 860 497	3 307 473	-14,3	2 989 162	3 129 930	4,7
-General purpose machinery	26 166 605	2 336 829	1 997 888	-14,5	1 812 747	1 871 178	3,2
-Special purpose machinery	30 901 023	2 704 317	2 366 152	-12,5	2 044 022	2 274 954	11,3
-Household appliances	9 864 914	841 899	775 345	-7,9	762 037	766 326	0,6
-Electrical machinery	41 188 668	3 866 366	3 404 455	-11,9	3 032 360	3 145 557	3,7
Radio, television and communication apparatus and professional equipment	14 956 319	1 338 674	1 309 682	-2,2	1 207 069	1 192 347	-1,2
-Radio, television and communication apparatus	7 503 117	668 187	653 875	-2,1	568 445	590 563	3,9
-Professional equipment	7 453 202	670 487	655 807	-2,2	638 624	601 784	-5,8
Motor vehicles, parts and accessories and other transport equipment	192 164 112	16 443 476	11 539 002	-29,8	10 412 071	10 783 097	3,6
-Motor vehicles	96 884 183	8 456 704	5 534 206	-34,6	4 722 886	5 021 509	6,3
-Bodies for motor vehicles, trailers and semi-trailers	8 625 818	813 513	563 863	-30,7	497 636	501 042	0,7
-Parts and accessories	71 341 166	5 992 311	4 245 077	-29,2	3 799 374	3 966 288	4,4
-Other transport equipment	15 312 945	1 180 948	1 195 856	1,3	1 392 175	1 294 258	-7,0
Furniture and other manufacturing division	60 751 590	5 255 836	4 997 216	-4,9	4 613 679	4 670 561	1,2
-Furniture	12 491 467	1 098 540	953 573	-13,2	893 197	898 385	0,6
-Other manufacturing groups	48 260 123	4 157 296	4 043 643	-2,7	3 720 481	3 772 176	1,4
Total	1 357 524 329	121 355 165	101 803 005	-16,1	94 219 125	96 511 316	2,4

1/ Preliminary.

Table 9 – Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and estimated value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)			Value of sales (R '000)		
		July to September 2008	July to September 2009	Annual percentage change between July to September 2008 and July to September 2009	July to September 2008	July to September 2009	Annual percentage change between July to September 2008 and July to September 2009
Food and beverages	15,4	110,3	115,0	4,3	58 624 645	59 864 161	2,1
-Meat, fish, fruit, etc.	1,8	105,2	108,0	2,7	15 321 983	15 641 897	2,1
-Dairy products	0,8	107,3	109,5	2,1	4 894 429	5 077 082	3,7
-Grain mill products	0,8	109,2	110,2	0,9	12 456 988	11 392 101	-8,5
-Other food products	5,2	113,8	126,7	11,3	12 950 701	13 890 072	7,3
-Beverages	6,8	109,5	109,1	-0,4	13 000 544	13 863 009	6,6
Textiles, clothing, leather and footwear	4,9	106,8	89,3	-16,4	11 112 445	9 548 972	-14,1
-Textiles	0,7	92,8	68,5	-26,2	1 701 711	1 401 785	-17,6
-Other textile products	0,9	99,5	79,7	-19,9	2 936 822	2 327 481	-20,7
-Knitted, crocheted articles	0,2	110,9	98,0	-11,6	434 067	375 885	-13,4
-Wearing apparel	2,1	112,0	93,8	-16,3	4 001 448	3 472 485	-13,2
-Leather and leather products	0,6	100,8	84,5	-16,2	1 082 874	1 006 814	-7,0
-Footwear	0,4	125,5	123,6	-1,5	955 523	964 522	0,9
Wood and wood products, paper, publishing and printing	10,2	111,3	92,1	-17,3	28 932 452	25 681 344	-11,2
-Sawmilling and planing of wood	0,7	97,5	79,4	-18,6	2 083 698	1 718 240	-17,5
-Products of wood	1,3	105,1	88,7	-15,6	4 567 480	4 010 995	-12,2
-Paper and paper products	3,8	126,8	102,8	-18,9	13 132 545	11 413 493	-13,1
-Publishing	1,9	106,7	83,8	-21,5	3 734 580	3 266 943	-12,5
-Printing, recorded media	2,5	97,8	87,0	-11,0	5 414 149	5 271 673	-2,6
Petroleum, chemical products, rubber and plastic products	22,1	122,8	108,9	-11,3	89 603 249	71 014 123	-20,7
-Coke, petroleum products and nuclear fuel	8,5	97,4	90,5	-7,1	37 538 914	26 485 722	-29,4
-Basic chemicals	4,5	162,7	113,8	-30,1	20 850 067	12 894 531	-38,2
-Other chemical products	5,3	124,0	111,0	-10,5	16 963 091	16 296 796	-3,9
-Rubber products	1,0	96,4	79,1	-17,9	3 517 780	3 151 665	-10,4
-Plastic products	2,7	143,3	164,6	14,9	10 733 397	12 185 409	13,5
Glass and non-metallic mineral products	4,8	112,2	101,5	-9,5	9 991 775	9 547 688	-4,4
-Glass and glass products	1,0	121,4	120,1	-1,1	1 618 873	1 637 589	1,2
-Non-metallic mineral products	3,8	109,9	96,8	-11,9	8 372 902	7 910 099	-5,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	111,9	89,8	-19,7	86 968 460	59 527 383	-31,6
-Basic iron and steel products	7,7	107,6	80,0	-25,7	39 162 845	21 668 572	-44,7
-Non-ferrous metal products	3,4	101,9	97,7	-4,1	11 441 480	7 938 885	-30,6
-Structural metal products	2,0	131,0	98,3	-25,0	7 155 608	5 327 449	-25,5
-Other fabricated metal products	3,8	132,7	105,9	-20,2	11 759 949	9 914 628	-15,7
-General purpose machinery	2,4	95,7	75,6	-21,0	7 016 424	5 755 428	-18,0
-Special purpose machinery	3,1	109,3	89,7	-17,9	7 932 682	6 532 439	-17,7
-Household appliances	0,6	108,0	97,5	-9,7	2 499 472	2 389 982	-4,4
-Electrical machinery	2,5	135,7	129,1	-4,9	11 319 849	9 848 535	-13,0
Radio, television and communication apparatus and professional equipment	1,1	109,7	103,5	-5,7	3 854 693	3 830 326	-0,6
-Radio, television and communication apparatus	0,4	122,3	103,5	-15,4	1 917 722	1 780 949	-7,1
-Professional equipment	0,7	101,7	103,4	1,7	1 936 971	2 049 377	5,8
Motor vehicles, parts and accessories and other transport equipment	10,9	110,2	84,9	-23,0	50 006 372	33 768 454	-32,5
-Motor vehicles	4,9	106,8	65,7	-38,5	25 219 694	15 757 357	-37,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	169,7	109,9	-35,2	2 404 165	1 771 768	-26,3
-Parts and accessories	4,7	108,6	95,6	-12,0	18 676 188	12 323 564	-34,0
-Other transport equipment	0,9	107,5	118,8	10,5	3 706 325	3 915 765	5,7
Furniture and other manufacturing division	5,2	126,8	94,1	-25,8	16 627 631	14 303 216	-14,0
-Furniture	1,3	111,8	89,9	-19,6	3 288 820	2 804 148	-14,7
-Other manufacturing groups	3,9	131,8	95,5	-27,5	13 338 811	11 499 068	-13,8
Total	100,0	114,9	99,5	-13,4	367 041 571	296 934 202	-19,1

Table 10 – Annual percentage change in the physical volume of manufacturing production and estimated value of sales according to manufacturing divisions and major groups: Year to date

Manufacturing divisions and major groups	Weights	Production Indices (base 2005=100)				Value of sales (R million)			
		Jan. to Sep. 2008	Jan. to Sep. 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to Sep. 2008	Jan. to Sep. 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
Food and beverages	15,4	105,5	107,2	1,6	0,2	164 449	173 422	5,5	8 973
-Meat, fish, fruit, etc.	1,8	108,0	106,1	-1,8	0,0	43 311	45 997	6,2	2 686
-Dairy products	0,8	106,9	105,3	-1,5	0,0	14 344	14 746	2,8	402
-Grain mill products	0,8	107,3	106,9	-0,4	0,0	34 093	33 961	-0,4	-132
-Other food products	5,2	103,9	108,5	4,4	0,2	35 614	38 985	9,5	3 371
-Beverages	6,8	105,7	106,9	1,1	0,1	37 086	39 734	7,1	2 648
Textiles, clothing, leather and footwear	4,9	104,6	88,5	-15,4	-0,7	32 313	28 396	-12,1	-3 917
-Textiles	0,7	92,2	76,3	-17,2	-0,1	4 844	4 447	-8,2	-397
-Other textile products	0,9	100,2	77,6	-22,6	-0,2	8 726	6 943	-20,4	-1 783
-Knitted, crocheted articles	0,2	112,6	105,7	-6,1	0,0	1 335	1 244	-6,8	-91
-Wearing apparel	2,1	108,3	94,8	-12,5	-0,3	11 583	10 420	-10,0	-1 163
-Leather and leather products	0,6	107,2	81,0	-24,4	-0,1	3 364	2 835	-15,7	-529
-Footwear	0,4	108,7	104,6	-3,8	0,0	2 460	2 507	1,9	47
Wood and wood products, paper, publishing and printing	10,2	106,8	91,5	-14,3	-1,4	80 547	75 676	-6,0	-4 871
-Sawmilling and planing of wood	0,7	97,8	74,5	-23,8	-0,1	6 040	4 754	-21,3	-1 286
-Products of wood	1,3	104,0	88,4	-15,0	-0,2	13 216	11 838	-10,4	-1 378
-Paper and paper products	3,8	120,1	103,1	-14,2	-0,6	35 733	34 072	-4,6	-1 661
-Publishing	1,9	104,7	87,5	-16,4	-0,3	10 660	10 006	-6,1	-654
-Printing, recorded media	2,5	91,7	83,1	-9,4	-0,2	14 897	15 006	0,7	109
Petroleum, chemical products, rubber and plastic products	22,1	118,5	105,0	-11,4	-2,7	237 445	198 244	-16,5	-39 201
-Coke, petroleum products and nuclear fuel	8,5	98,6	93,3	-5,4	-0,4	98 640	69 263	-29,8	-29 377
-Basic chemicals	4,5	152,0	105,5	-30,6	-1,9	54 048	39 519	-26,9	-14 529
-Other chemical products	5,3	116,9	107,5	-8,0	-0,4	46 013	47 290	2,8	1 277
-Rubber products	1,0	95,1	78,1	-17,9	-0,2	9 840	9 260	-5,9	-580
-Plastic products	2,7	136,4	145,3	6,5	0,2	28 905	32 912	13,9	4 007
Glass and non-metallic mineral products	4,8	110,5	96,0	-13,1	-0,6	27 657	26 659	-3,6	-998
-Glass and glass products	1,0	115,9	116,3	0,3	0,0	4 342	4 607	6,1	265
-Non-metallic mineral products	3,8	109,1	90,9	-16,7	-0,6	23 315	22 052	-5,4	-1 263
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	109,5	84,1	-23,2	-5,2	239 396	168 760	-29,5	-70 636
-Basic iron and steel products	7,7	105,1	66,7	-36,5	-2,7	106 693	57 717	-45,9	-48 976
-Non-ferrous metal products	3,4	102,8	94,7	-7,9	-0,2	32 106	23 438	-27,0	-8 668
-Structural metal products	2,0	126,7	98,2	-22,5	-0,5	19 583	16 158	-17,5	-3 425
-Other fabricated metal products	3,8	126,3	105,7	-16,3	-0,7	31 304	28 608	-8,6	-2 696
-General purpose machinery	2,4	95,0	72,4	-23,8	-0,5	19 500	16 653	-14,6	-2 847
-Special purpose machinery	3,1	108,4	87,0	-19,7	-0,6	22 941	19 157	-16,5	-3 784
-Household appliances	0,6	104,3	97,3	-6,7	0,0	7 269	7 029	-3,3	-240
-Electrical machinery	2,5	124,4	121,8	-2,1	-0,1	31 111	28 516	-8,3	-2 595
Radio, television and communication apparatus and professional equipment	1,1	104,6	97,4	-6,9	-0,1	11 041	10 725	-2,9	-316
-Radio, television and communication apparatus	0,4	115,4	100,3	-13,1	-0,1	5 465	4 890	-10,5	-575
-Professional equipment	0,7	97,7	95,6	-2,1	0,0	5 576	5 836	4,7	260
Motor vehicles, parts and accessories and other transport equipment	10,9	111,9	76,7	-31,5	-3,4	148 589	101 368	-31,8	-47 221
-Motor vehicles	4,9	103,7	63,9	-38,4	-1,8	72 704	49 300	-32,2	-23 404
-Bodies for motor vehicles, trailers and semi-trailers	0,5	155,2	102,1	-34,2	-0,2	6 528	4 878	-25,3	-1 650
-Parts and accessories	4,7	115,8	78,3	-32,4	-1,6	58 260	34 981	-40,0	-23 279
-Other transport equipment	0,9	114,7	123,3	7,5	0,1	11 098	12 210	10,0	1 112
Furniture and other manufacturing division	5,2	117,8	91,9	-22,0	-1,2	45 761	40 770	-10,9	-4 991
-Furniture	1,3	101,8	84,9	-16,6	-0,2	8 806	7 888	-10,4	-918
-Other manufacturing groups	3,9	123,1	94,3	-23,4	-1,0	36 955	32 882	-11,0	-4 073
Total	100,0	111,4	94,5	-15,2	-15,2	1 018 309	852 537	-16,3	-165 772

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the change in the index of the major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index. Figures have been rounded off.

Explanatory notes

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 Register (BR), with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.</p> <p>2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2005. 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 for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.</p> <p>4 As indicated earlier, Stats SA is continuously upgrading its BR, 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 indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).</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 (SIC)</i>, 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 (ISIC)</i> with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.</p>
Response rate	<p>9 The preliminary response rate for the survey on manufacturing production and sales for September 2009 was 91,3%. Improved response rate for August 2009 was 92,9%.</p>
Statistical unit	<p>10 The statistical unit for which information is compiled and published is the 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>

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 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 non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 049 enterprises, which was drawn in April 2009 from a population then of 57 398 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, as well as for all small enterprises (size groups three and four). 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 groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 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.
- 14 More direct indicators are used for the value of production of 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 physical 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).

Weighting methodology

- 15 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, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1998 to 2000, the weights are based on the 1996 Census of Manufacturing. For the period 2001 to 2004, the weights are based on the 2001 large sample survey of the manufacturing industry (LSS) and for the period 2005 to 2009, the weights are based on the 2005 LSS. Weights between census / LSS years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see Table D for the fixed weights which were used for the three periods 1998 to 2000, 2001 to 2004 and 2005 to 2009).

Seasonal adjustment

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme 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.

- Trend cycle** 18 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** 19 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.
- 20 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.
- Revised figures** 21 Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** 22 Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding-off of figures** 23 The figures in the tables have, where necessary, been rounded off to the nearest dig shown.
- Pre-release policy** 24 Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** 25
- | | |
|----------|---|
| BR | Business Register |
| GDP | Gross Domestic Product |
| ISIC | International Standard Industrial Classification |
| LSS | Large sample survey |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value added tax |
| * | Revised figures |

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

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.
Index of physical volume of manufacturing production	The index of physical 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 base period is 2005. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
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.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- value added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. 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 need to be calculated from time to time.

Table D – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 1996 Census of Manufacturing 1998 - 2000	Weights according to the 2001 LSS of the manufacturing industry 2001 - 2004	Weights according to the 2005 LSS of the manufacturing industry 2005 - 2009
Food and beverages	15,3	16,4	15,4
Meat, fish, fruit, etc.	2,8	2,6	1,8
Dairy products	1,4	1,1	0,8
Grain mill products	2,1	1,5	0,8
Other food products	4,4	6,8	5,2
Beverages	4,6	4,3	6,8
Textiles, clothing, leather and footwear	7,8	5,4	4,9
Textiles	1,7	1,2	0,7
Other textile products	1,2	1,2	0,9
Knitted, crocheted articles	0,6	0,3	0,2
Wearing apparel	3,0	2,0	2,1
Tanning, dressing of leather	0,4	0,3	0,6
Footwear	0,9	0,4	0,4
Wood and wood products, paper, publishing and printing	11,4	11,0	10,2
Sawmilling and planing of wood	0,8	0,7	0,7
Products of wood	1,2	1,0	1,3
Paper and paper products	5,3	4,8	3,8
Publishing	1,5	2,4	1,9
Printing, recorded media	2,6	2,1	2,5
Petroleum, chemical products, rubber and plastic products	19,3	22,5	22,1
Petroleum products	4,2	9,1	8,5
Basic chemicals	4,5	4,0	4,5
Other chemical products	6,2	5,4	5,3
Rubber products	1,4	1,1	1,0
Plastic products	3,1	3,0	2,7
Glass and non-metallic mineral products	4,5	3,9	4,8
Glass and glass products	1,0	1,1	1,0
Non-metallic mineral products	3,5	2,9	3,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	23,6	22,4	22,9
Basic iron and steel products	7,6	5,5	7,7
Non-ferrous metal products	3,2	4,7	3,4
Structural metal products	2,4	1,3	2,0
Other fabricated metal products	4,6	4,2	3,8
General purpose machinery	2,5	2,4	2,4
Special purpose machinery	2,9	3,2	3,1
Household appliances	0,4	1,2	0,6
Electrical machinery	3,4	2,7	2,5
Radio, television and communication apparatus and professional equipment	1,5	1,3	1,1
Radio, television and communication apparatus	1,0	0,7	0,4
Professional equipment	0,5	0,6	0,7
Motor vehicles, parts and accessories and other transport equipment	9,1	8,6	10,9
Motor vehicles	4,5	4,1	4,9
Bodies for motor vehicles, trailers and semi-trailers	0,5	0,4	0,5
Parts and accessories	3,0	3,1	4,7
Other transport equipment	1,0	1,0	0,9
Other manufacturing divisions	4,1	5,8	5,2
Furniture	1,6	1,6	1,3
Other manufacturing groups	2,6	4,2	3,9
Total	100,0	100,0	100,0

General information

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