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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for February 2010

Actual estimates	February 2010	% change between February 2009 and February 2010	% change between December 2008 to February 2009 and December 2009 to February 2010	% change between January to February 2009 and January to February 2010
Physical volume of manufacturing production index (2005=100)	94,5	2,7	3,2	3,1
Total estimated sales of manufactured products (R million)	94 712	0,3	0,5	1,0

Seasonally adjusted estimates	February 2010	% change between January and February 2010	% change between September to November 2009 and December 2009 to February 2010
Physical volume of manufacturing production index (2005=100)	99,9	-1,5	2,7
Total value of sales of manufactured products (R million)	99 456	-1,0	3,6

Key findings regarding manufacturing production for February 2010

Seasonally adjusted production

The seasonally adjusted manufacturing production for the three months ended February 2010 increased by 2,7% compared with the previous three months ended November 2009. Higher production levels were reported by seven of the ten manufacturing divisions during the latest three months.

The increase was driven by higher production in the motor vehicles, parts and accessories and other transport equipment division (12,2% and contributing 1,2 percentage points), the petroleum, chemical products, rubber and plastic products division (3,5% and contributing 0,9 of a percentage point), the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,3% and contributing 0,7 of a percentage point), the furniture and 'other' manufacturing division (7,1% and contributing 0,3 of a percentage point) and the wood and wood products, paper, publishing and printing division (2,6% and contributing 0,2 of a percentage point). However, these increases were partially counteracted by decreases reported by the food and beverages division (-3,0% and contributing -0,5 of a percentage point) and the radio, television and communication apparatus and professional equipment division (-5,9% and contributing -0,1 of a percentage point) (see Table B).

Estimated actual production

The estimated manufacturing production for February 2010 increased by 2,7% compared with February 2009, lower than the revised 3,5% increase in January 2010 compared with January 2009.

The 2,7% increase in manufacturing production in February 2010 was due to higher production in the motor vehicles, parts and accessories and other transport equipment division (20,4% and contributing 1,8 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (8,3% and contributing 1,7 percentage points), the petroleum, chemical products, rubber and plastic products division (3,4% and contributing 0,8 of a percentage point), the food and beverages division (2,4% and contributing 0,4 of a percentage point) and the radio, television and communication apparatus and professional equipment division (11,9% and contributing 0,1 of a percentage point). However, these increases were partially counteracted by decreases reported by the textiles, clothing, leather and footwear division (-11,3% and contributing -0,6 of a percentage point), the furniture and 'other' manufacturing division (-9,3% and contributing -0,5 of a percentage point), the wood and wood products, paper, publishing and printing division (-4,1% and contributing -0,4 of a percentage point), the glass and non-metallic mineral products division (-8,2% and contributing -0,4 of a percentage point) and the electrical machinery division (-5,0% and contributing -0,2 of a percentage point) (see Table 4b).

Table B – Contribution of manufacturing divisions and major groups to the three-monthly change in the seasonally adjusted manufacturing production

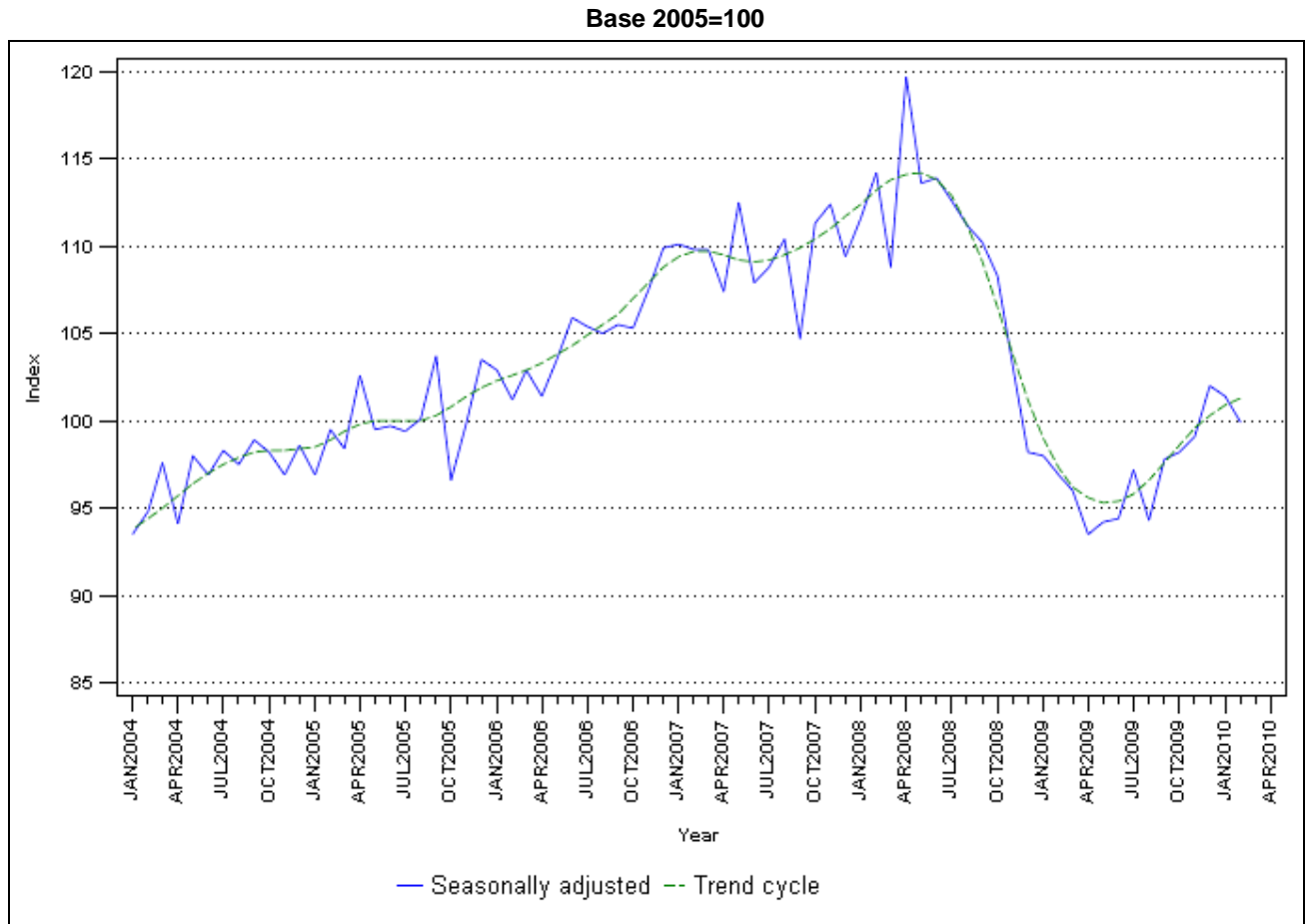
Base 2005=100

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005	Average seasonally adjusted production index for September to November 2009	Average seasonally adjusted production index for December 2009 to February 2010	Percentage change of December 2009 to February 2010 compared with the preceding three months	Contribution (percentage points) to the percentage change in seasonally adjusted manufacturing production 1/
Food and beverages	15,4	114,0	110,6	-3,0	-0,5
-Meat, fish, fruit, etc.	1,8	114,6	112,0	-2,3	0,0
-Dairy products	0,8	111,2	110,8	-0,4	0,0
-Grain mill products	0,8	111,0	107,6	-3,1	0,0
-Other food products	5,2	110,8	107,4	-3,1	-0,2
-Beverages	6,8	116,8	113,0	-3,3	-0,3
Textiles, clothing, leather and footwear	4,9	87,1	86,9	-0,2	0,0
-Textiles	1,6	72,8	74,3	2,1	0,0
-Wearing apparel	2,3	92,2	91,4	-0,9	0,0
-Leather and leather products	0,6	87,8	88,4	0,7	0,0
-Footwear	0,4	112,3	107,2	-4,5	0,0
Wood and wood products, paper, publishing and printing	10,2	89,5	91,8	2,6	0,2
-Wood and products of wood	2,0	81,3	87,1	7,1	0,1
-Paper and paper products	3,8	103,2	104,7	1,5	0,1
-Publishing and printing	4,3	81,3	82,5	1,5	0,1
Petroleum, chemical products, rubber and plastic products	22,1	109,2	113,0	3,5	0,9
-Coke, petroleum products and nuclear fuel	8,5	97,1	93,0	-4,2	-0,4
-Basic chemicals	4,5	108,0	121,0	12,0	0,6
-Other chemical products	5,3	108,2	116,0	7,2	0,4
-Rubber products	1,0	77,8	81,1	4,2	0,0
-Plastic products	2,7	162,4	167,9	3,4	0,2
Glass and non-metallic mineral products	4,8	93,9	94,4	0,5	0,0
-Glass and glass products	1,0	120,5	119,7	-0,7	0,0
-Non-metallic mineral products	3,8	87,3	88,0	0,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	89,7	92,7	3,3	0,7
-Basic iron and steel products	7,7	85,9	94,4	9,9	0,7
-Basic precious, non-ferrous metal products	3,4	96,9	96,3	-0,6	0,0
-Fabricated metal products	5,7	97,0	100,1	3,2	0,2
-Machinery and equipment	6,1	83,4	81,6	-2,2	-0,1
Electrical machinery	2,5	120,0	121,1	0,9	0,0
Radio, television and communication apparatus and professional equipment	1,1	99,8	93,9	-5,9	-0,1
-Radio, television and communication apparatus	0,4	106,6	97,5	-8,5	0,0
-Professional equipment	0,7	95,4	91,7	-3,9	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	85,3	95,7	12,2	1,2
-Motor vehicles	4,9	65,1	82,5	26,7	0,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	103,8	109,2	5,2	0,0
-Parts and accessories	4,7	96,9	102,8	6,1	0,3
-Other transport equipment	0,9	123,7	122,0	-1,4	0,0
Furniture and other manufacturing division	5,2	93,6	100,2	7,1	0,3
-Furniture	1,3	86,5	92,6	7,1	0,1
-Other manufacturing groups	3,9	96,0	102,7	7,0	0,3
Total	100,0	98,4	101,1	2,7	2,7

1/ The contribution (percentage points) of a major group or division to the total seasonally adjusted manufacturing production is calculated by multiplying the difference 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 2004 and February 2010.

Figure 1 – Index of the physical volume of manufacturing production: 2004 – 2010



Key findings regarding sales of manufactured products

The estimated total value of sales of manufactured products at current prices for the three months ended February 2010 increased by 3,6% (R10 444 million), after seasonal adjustment, compared with the previous three months ended November 2009. Higher manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).

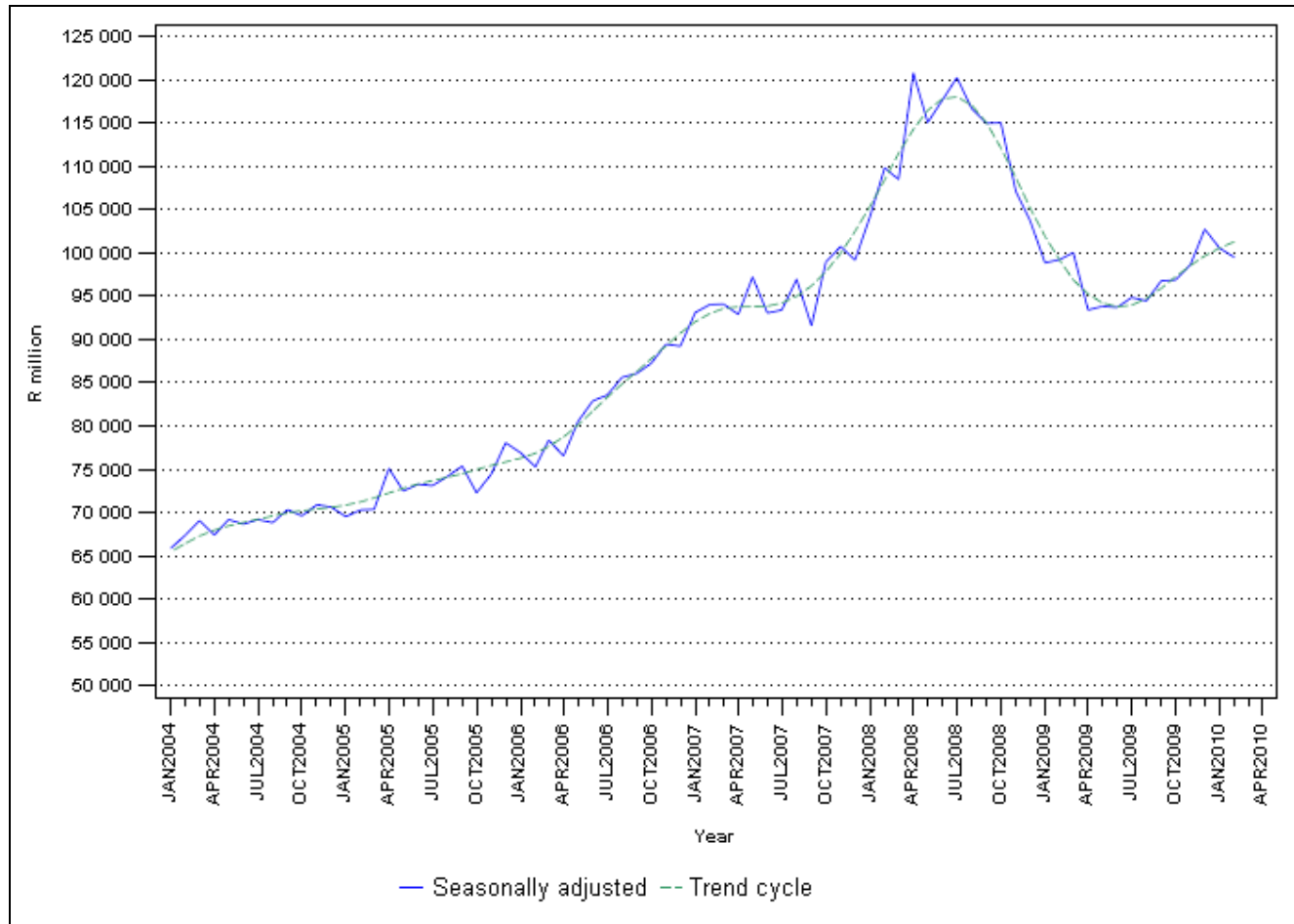
Large increases were mainly reported for the motor vehicles, parts and accessories and other transport equipment division (11,2% or R4 025 million), the petroleum, chemical products, rubber and plastic products division (6,4% or R4 321 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (2,6% or R1 468 million) during the above-mentioned period (see Table C).

Table C – Contribution of manufacturing divisions and major groups to the three-monthly change in the seasonally adjusted sales of the manufacturing industry at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales September to November 2009	Seasonally adjusted sales December 2009 to February 2010	Percentage change between September to November 2009 and December 2009 to February 2010	Difference in seasonally adjusted sales of manufacturing divisions between September to November 2009 and December 2009 to February 2010
	R000	R000	%	R000
Food and beverages	60 960 780	59 422 229	-2,5	-1 538 551
-Food and food products	46 282 944	44 859 496	-3,1	-1 423 448
-Beverages	14 677 836	14 562 733	-0,8	-115 103
Textiles, clothing, leather and footwear	9 253 923	9 328 307	0,8	74 384
-Textiles	3 601 648	3 669 945	1,9	68 297
-Wearing apparel	3 681 940	3 683 985	0,1	2 045
-Leather and leather products	1 039 438	1 051 603	1,2	12 165
-Footwear	930 897	922 774	-0,9	-8 123
Wood and wood products, paper, publishing and printing	24 948 195	25 750 847	3,2	802 652
-Wood and products of wood	5 373 557	5 728 846	6,6	355 289
-Paper and paper products	11 303 679	11 551 056	2,2	247 377
-Publishing and printing	8 270 960	8 470 945	2,4	199 985
Petroleum, chemical products, rubber and plastic products	67 626 570	71 947 467	6,4	4 320 897
-Coke, petroleum products and nuclear fuel	23 779 278	25 631 086	7,8	1 851 808
-Basic chemicals	12 801 291	13 752 848	7,4	951 557
-Other chemical products	15 982 292	16 854 127	5,5	871 835
-Rubber products	3 118 100	3 236 414	3,8	118 314
-Plastic products	11 945 608	12 472 991	4,4	527 383
Glass and non-metallic mineral products	9 023 240	9 134 320	1,2	111 080
-Glass and glass products	1 692 073	1 698 275	0,4	6 202
-Non-metallic mineral products	7 331 166	7 436 044	1,4	104 878
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 420 040	58 888 343	2,6	1 468 303
-Basic iron and steel products	20 824 975	22 042 797	5,8	1 217 822
-Basic precious, non-ferrous metal products	8 132 912	7 816 006	-3,9	-316 906
-Fabricated metal products	14 080 703	14 831 891	5,3	751 188
-Machinery and equipment	14 381 450	14 197 648	-1,3	-183 802
Electrical machinery	9 290 297	9 664 392	4,0	374 095
Radio, television and communication apparatus and professional equipment	3 522 322	3 528 846	0,2	6 524
-Radio, television and communication apparatus	1 626 748	1 548 986	-4,8	-77 762
-Professional equipment	1 895 574	1 979 861	4,4	84 287
Motor vehicles, parts and accessories and other transport equipment	35 980 207	40 005 103	11,2	4 024 896
-Motor vehicles, trailers, parts and accessories	31 933 498	35 942 160	12,6	4 008 662
-Other transport equipment	4 046 709	4 062 943	0,4	16 234
Furniture and other manufacturing division	14 204 172	15 003 494	5,6	799 322
-Furniture	2 687 590	2 920 916	8,7	233 326
-Other manufacturing groups	11 516 581	12 082 578	4,9	565 997
Total	292 229 744	302 673 346	3,6	10 443 602

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2004 and February 2010.

Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2004 – 2010



P J Lehohla
Statistician-General

Detailed results: Tables

Table 1 – Total index of the physical volume of manufacturing production: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	82,6	85,2	89,8	95,2	96,2	83,9	1/ 86,8
Feb	91,5	95,5	96,8	104,6	108,5	92,0	1/ 94,5
Mar	100,8	101,8	106,3	113,4	112,0	98,9	
Apr	88,9	96,2	95,4	100,6	111,8	87,5	
May	98,7	100,3	104,2	113,2	114,3	94,5	
Jun	97,6	100,1	106,6	108,9	115,1	95,5	
Jul	100,0	100,9	107,4	111,1	115,3	99,5	
Aug	100,3	103,3	108,7	114,4	115,0	97,4	
Sep	102,3	107,5	109,6	108,8	114,5	101,5	
Oct	108,2	106,9	117,0	124,2	121,4	109,9	
Nov	107,5	110,7	119,0	124,3	114,7	109,3	
Dec	87,0	91,4	96,9	96,6	88,2	1/ 91,0	
Year	97,1	100,0	104,8	109,6	110,6	96,7	

1/ Preliminary.

Table 2 – Annual percentage change in the total index of the physical volume of manufacturing production: 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	-1,9	3,1	5,4	6,0	1,1	-12,8	3,5
Feb	-1,2	4,4	1,4	8,1	3,7	-15,2	2,7
Mar	5,0	1,0	4,4	6,7	-1,2	-11,7	
Apr	0,1	8,2	-0,8	5,5	11,1	-21,7	
May	5,2	1,6	3,9	8,6	1,0	-17,3	
Jun	4,5	2,6	6,5	2,2	5,7	-17,0	
Jul	3,6	0,9	6,4	3,4	3,8	-13,7	
Aug	6,8	3,0	5,2	5,2	0,5	-15,3	
Sep	6,5	5,1	2,0	-0,7	5,2	-11,4	
Oct	4,7	-1,2	9,4	6,2	-2,3	-9,5	
Nov	5,8	3,0	7,5	4,5	-7,7	-4,7	
Dec	7,8	5,1	6,0	-0,3	-8,7	3,2	
Year	4,0	3,0	4,8	4,6	0,9	-12,6	

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

Table 3 – Seasonally adjusted index of the total physical volume of manufacturing production: 2004 – 2010

Base 2005 = 100

Month	2004	2005	2006	2007	2008	2009	2010
Jan	93,5	96,9	102,9	110,1	111,6	98,0	101,4
Feb	94,8	99,5	101,2	109,8	114,2	96,9	99,9
Mar	97,6	98,4	102,9	109,8	108,8	96,0	
Apr	94,1	102,6	101,4	107,4	119,7	93,5	
May	98,0	99,5	103,5	112,5	113,6	94,2	
Jun	96,9	99,7	105,9	107,9	113,9	94,4	
Jul	98,3	99,4	105,4	108,8	112,6	97,2	
Aug	97,5	100,1	105,0	110,4	111,2	94,3	
Sep	98,9	103,7	105,5	104,7	110,2	97,8	
Oct	98,2	96,6	105,3	111,3	108,3	98,2	
Nov	96,9	99,9	107,5	112,4	103,1	99,1	
Dec	98,6	103,5	109,9	109,4	98,2	102,0	

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 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			February 2009	1/ January 2010	1/ February 2010	February 2009	January 2010	February 2010
Food and beverages	15,4	111,7	97,7	92,6	100,0	106,4	108,7	108,4
-Meat, fish, fruit, etc.	1,8	109,3	103,0	94,7	104,0	103,9	109,2	105,1
-Dairy products	0,8	109,7	102,1	115,1	101,9	109,4	112,4	109,5
-Grain mill products	0,8	108,5	98,9	97,9	98,6	106,7	106,3	106,2
-Other food products	5,2	110,3	86,7	77,1	85,1	109,7	105,3	106,9
-Beverages	6,8	113,9	104,1	100,7	110,1	104,1	110,9	110,5
Textiles, clothing, leather and footwear	4,9	89,5	95,9	64,6	85,1	94,8	88,3	84,4
-Textiles	0,7	73,7	91,1	47,3	75,6	81,6	64,1	67,6
-Other textile products	0,9	78,1	91,9	60,4	77,6	89,5	83,9	75,4
-Knitted, crocheted articles	0,2	104,4	114,2	80,3	114,5	110,8	112,6	111,4
-Wearing apparel	2,1	96,5	101,8	66,2	86,2	102,6	93,2	87,2
-Leather and leather products	0,6	83,6	80,8	75,8	85,5	78,7	84,3	83,5
-Footwear	0,4	107,3	97,6	70,1	98,9	106,0	108,3	107,7
Wood and wood products, paper, publishing and printing	10,2	92,0	93,7	80,2	89,9	97,3	93,2	93,4
-Sawmilling and planing of wood	0,7	73,4	78,4	70,1	84,3	76,5	80,7	82,1
-Products of wood	1,3	88,6	90,2	72,3	82,9	96,2	89,8	88,7
-Paper and paper products	3,8	103,6	101,5	96,8	101,6	107,7	108,3	107,9
-Publishing	1,9	86,8	92,9	73,3	77,8	94,7	83,8	79,4
-Printing, recorded media	2,5	84,8	88,4	66,6	86,1	89,7	82,2	87,3
Petroleum, chemical products, rubber and plastic products	22,1	107,5	99,8	101,1	103,2	107,9	112,2	111,7
-Coke, petroleum products and nuclear fuel	8,5	95,3	83,4	91,7	77,2	93,7	91,2	87,6
-Basic chemicals	4,5	107,9	105,3	109,0	113,0	116,2	124,5	124,4
-Other chemical products	5,3	109,6	108,4	95,7	111,2	114,1	114,6	116,8
-Rubber products	1,0	77,3	83,0	66,7	87,2	78,3	79,2	82,1
-Plastic products	2,7	151,7	131,3	140,1	158,8	137,4	165,0	166,4
Glass and non-metallic mineral products	4,8	96,5	93,2	73,9	85,6	99,8	91,1	91,3
-Glass and glass products	1,0	121,6	127,0	102,5	115,5	127,6	120,1	115,4
-Non-metallic mineral products	3,8	90,2	84,7	66,8	78,1	92,9	83,8	85,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	80,6	81,9	87,3	85,4	93,2	93,8
-Basic iron and steel products	7,7	72,0	51,5	88,8	81,2	59,4	97,2	94,5
-Non-ferrous metal products	3,4	95,4	87,0	88,6	94,7	92,8	94,8	100,9
-Structural metal products	2,0	96,7	103,9	73,5	83,1	109,2	95,6	87,2
-Other fabricated metal products	3,8	104,5	110,7	81,8	103,9	114,8	102,9	107,9
-General purpose machinery	2,4	73,2	71,9	60,7	66,8	77,2	70,8	71,6
-Special purpose machinery	3,1	88,3	95,3	79,6	91,0	93,6	85,6	89,1
-Household appliances	0,6	96,0	109,1	80,6	95,0	103,8	92,9	89,8
Electrical machinery	2,5	121,2	126,6	100,9	120,3	127,8	124,7	120,7
Radio, television and communication apparatus and professional equipment	1,1	98,7	93,2	68,5	104,3	92,3	82,5	103,2
-Radio, television and communication apparatus	0,4	102,8	104,8	74,1	106,6	105,2	93,5	106,9
-Professional equipment	0,7	96,1	85,8	64,9	102,8	84,1	75,6	100,8
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	74,5	80,7	89,7	75,9	97,7	92,3
-Motor vehicles	4,9	66,1	74,5	68,3	77,9	74,3	87,7	77,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	108,8	72,8	111,7	109,5	103,6	112,7
-Parts and accessories	4,7	82,4	62,5	89,4	95,6	65,2	102,9	100,4
-Other transport equipment	0,9	124,8	116,9	105,7	111,2	121,6	120,6	116,1
Furniture and other manufacturing division	5,2	94,5	104,4	86,9	94,7	101,9	107,7	92,3
-Furniture	1,3	88,8	91,8	61,1	87,0	95,8	97,4	90,5
-Other manufacturing groups	3,9	96,4	108,5	95,5	97,3	103,9	111,0	92,9
Total	100,0	96,7	92,0	86,8	94,5	96,9	101,4	99,9

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 2005	Average for 2009	Actual indices			Seasonally adjusted indices		
			February 2009	1/ February 2010	Percentage change between February 2009 and February 2010	January 2010	February 2010	Percentage change between January and February 2010
Food and beverages	15,4	111,7	97,7	100,0	2,4	108,7	108,4	-0,3
-Meat, fish, fruit, etc.	1,8	109,3	103,0	104,0	1,0	109,2	105,1	-3,8
-Dairy products	0,8	109,7	102,1	101,9	-0,2	112,4	109,5	-2,6
-Grain mill products	0,8	108,5	98,9	98,6	-0,3	106,3	106,2	-0,1
-Other food products	5,2	110,3	86,7	85,1	-1,8	105,3	106,9	1,5
-Beverages	6,8	113,9	104,1	110,1	5,8	110,9	110,5	-0,4
Textiles, clothing, leather and footwear	4,9	89,5	95,9	85,1	-11,3	88,3	84,4	-4,4
-Textiles	0,7	73,7	91,1	75,6	-17,0	64,1	67,6	5,5
-Other textile products	0,9	78,1	91,9	77,6	-15,6	83,9	75,4	-10,1
-Knitted, crocheted articles	0,2	104,4	114,2	114,5	0,3	112,6	111,4	-1,1
-Wearing apparel	2,1	96,5	101,8	86,2	-15,3	93,2	87,2	-6,4
-Leather and leather products	0,6	83,6	80,8	85,5	5,8	84,3	83,5	-0,9
-Footwear	0,4	107,3	97,6	98,9	1,3	108,3	107,7	-0,6
Wood and wood products, paper, publishing and printing	10,2	92,0	93,7	89,9	-4,1	93,2	93,4	0,2
-Sawmilling and planing of wood	0,7	73,4	78,4	84,3	7,5	80,7	82,1	1,7
-Products of wood	1,3	88,6	90,2	82,9	-8,1	89,8	88,7	-1,2
-Paper and paper products	3,8	103,6	101,5	101,6	0,1	108,3	107,9	-0,4
-Publishing	1,9	86,8	92,9	77,8	-16,3	83,8	79,4	-5,3
-Printing, recorded media	2,5	84,8	88,4	86,1	-2,6	82,2	87,3	6,2
Petroleum, chemical products, rubber and plastic products	22,1	107,5	99,8	103,2	3,4	112,2	111,7	-0,4
-Coke, petroleum products and nuclear fuel	8,5	95,3	83,4	77,2	-7,4	91,2	87,6	-3,9
-Basic chemicals	4,5	107,9	105,3	113,0	7,3	124,5	124,4	-0,1
-Other chemical products	5,3	109,6	108,4	111,2	2,6	114,6	116,8	1,9
-Rubber products	1,0	77,3	83,0	87,2	5,1	79,2	82,1	3,7
-Plastic products	2,7	151,7	131,3	158,8	20,9	165,0	166,4	0,8
Glass and non-metallic mineral products	4,8	96,5	93,2	85,6	-8,2	91,1	91,3	0,2
-Glass and glass products	1,0	121,6	127,0	115,5	-9,1	120,1	115,4	-3,9
-Non-metallic mineral products	3,8	90,2	84,7	78,1	-7,8	83,8	85,3	1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	80,6	87,3	8,3	93,2	93,8	0,6
-Basic iron and steel products	7,7	72,0	51,5	81,2	57,7	97,2	94,5	-2,8
-Non-ferrous metal products	3,4	95,4	87,0	94,7	8,9	94,8	100,9	6,4
-Structural metal products	2,0	96,7	103,9	83,1	-20,0	95,6	87,2	-8,8
-Other fabricated metal products	3,8	104,5	110,7	103,9	-6,1	102,9	107,9	4,9
-General purpose machinery	2,4	73,2	71,9	66,8	-7,1	70,8	71,6	1,1
-Special purpose machinery	3,1	88,3	95,3	91,0	-4,5	85,6	89,1	4,1
-Household appliances	0,6	96,0	109,1	95,0	-12,9	92,9	89,8	-3,3
Electrical machinery	2,5	121,2	126,6	120,3	-5,0	124,7	120,7	-3,2
Radio, television and communication apparatus and professional equipment	1,1	98,7	93,2	104,3	11,9	82,5	103,2	25,1
-Radio, television and communication apparatus	0,4	102,8	104,8	106,6	1,7	93,5	106,9	14,3
-Professional equipment	0,7	96,1	85,8	102,8	19,8	75,6	100,8	33,3
Motor vehicles, parts and accessories and other transport equipment	10,9	79,7	74,5	89,7	20,4	97,7	92,3	-5,5
-Motor vehicles	4,9	66,1	74,5	77,9	4,6	87,7	77,9	-11,2
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	108,8	111,7	2,7	103,6	112,7	8,8
-Parts and accessories	4,7	82,4	62,5	95,6	53,0	102,9	100,4	-2,4
-Other transport equipment	0,9	124,8	116,9	111,2	-4,9	120,6	116,1	-3,7
Furniture and other manufacturing division	5,2	94,5	104,4	94,7	-9,3	107,7	92,3	-14,3
-Furniture	1,3	88,8	91,8	87,0	-5,2	97,4	90,5	-7,1
-Other manufacturing groups	3,9	96,4	108,5	97,3	-10,3	111,0	92,9	-16,3
Total	100,0	96,7	92,0	94,5	2,7	101,4	99,9	-1,5

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861	1/ 84 920 243
Feb	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035	1/ 94 712 077
Mar	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244	
Apr	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078	
May	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610	
Jun	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	95 271 113	
Jul	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	97 023 688	
Aug	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	98 084 036	
Sep	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	101 809 619	
Oct	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	107 197 685	
Nov	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	109 078 529	
Dec	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	1/ 92 803 302	
Year	828 002 536	878 902 374	993 377 692	1 145 786 642	1 357 524 329	1 161 599 800	

1/ Preliminary.

Table 6 – Annual percentage change in the total estimated value of sales of the manufacturing industry: 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	1,3	5,4	10,6	21,1	12,2	-5,6	1,9
Feb	3,6	3,9	6,8	24,4	16,2	-9,5	0,3
Mar	8,5	1,6	11,1	20,1	14,6	-7,7	
Apr	4,3	10,9	1,5	21,0	29,7	-22,6	
May	10,8	4,6	10,9	20,9	18,5	-19,0	
Jun	9,2	6,8	13,4	12,6	27,0	-20,7	
Jul	9,2	6,1	14,8	12,1	29,7	-21,6	
Aug	10,5	8,4	16,0	13,5	20,9	-19,5	
Sep	12,6	7,6	14,4	6,3	25,7	-16,1	
Oct	8,7	4,0	20,9	13,8	16,5	-15,8	
Nov	14,1	5,4	19,7	12,5	6,2	-8,1	
Dec	10,1	9,6	12,9	11,0	5,5	-0,5	
Year	8,7	6,1	13,0	15,3	18,5	-14,4	

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 (R000): 2004 – 2010

Month	2004	2005	2006	2007	2008	2009	2010
Jan	65 854 221	69 526 353	76 901 062	93 083 872	104 115 230	98 823 974	100 511 315
Feb	67 419 531	70 300 137	75 262 713	94 023 569	109 804 170	99 205 731	99 456 439
Mar	69 070 536	70 357 665	78 345 510	94 069 813	108 463 078	100 011 103	
Apr	67 399 501	75 074 970	76 538 856	92 865 901	120 724 712	93 383 919	
May	69 179 611	72 484 376	80 501 011	97 186 087	115 039 967	93 803 381	
Jun	68 650 590	73 260 688	82 892 891	93 027 662	117 648 379	93 686 829	
Jul	69 185 676	73 097 195	83 552 333	93 377 373	120 222 440	94 819 417	
Aug	68 821 747	74 149 439	85 600 591	96 928 833	116 615 550	94 438 239	
Sep	70 322 460	75 367 508	86 057 588	91 565 292	114 945 543	96 757 060	
Oct	69 612 008	72 270 901	87 222 947	98 916 334	114 983 822	96 843 915	
Nov	70 881 303	74 441 488	89 422 890	100 720 726	107 075 770	98 628 769	
Dec	70 632 920	78 051 269	89 199 776	99 151 227	103 686 749	102 705 592	

Table 8a – Estimated sales of the manufacturing industry according to manufacturing divisions and major groups (R000)

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		February 2009	1/ January 2010	1/ February 2010	February 2009	January 2010	February 2010
Food and beverages	240 845 177	18 630 280	16 783 573	18 484 569	19 643 262	19 169 309	19 418 975
-Meat, fish, fruit, etc.	63 578 365	4 808 328	4 398 205	4 897 375	5 245 913	5 122 932	5 340 299
-Dairy products	20 468 131	1 630 972	1 603 628	1 604 555	1 693 678	1 631 050	1 662 905
-Grain mill products	45 484 365	3 561 658	3 191 289	3 204 268	3 929 598	3 515 402	3 531 656
-Other food products	53 840 204	4 250 051	3 619 624	3 880 035	4 566 945	4 307 334	4 174 175
-Beverages	57 474 112	4 379 271	3 970 827	4 898 336	4 207 128	4 592 590	4 709 941
Textiles, clothing, leather and footwear	38 323 315	3 295 735	2 258 886	3 027 995	3 336 249	3 144 245	3 065 302
-Textiles	5 754 712	534 403	314 114	468 043	525 742	444 202	459 478
-Other textile products	9 345 257	851 129	569 762	764 609	845 851	776 792	758 573
-Knitted, crocheted articles	1 645 824	143 116	103 001	141 814	145 652	148 993	144 826
-Wearing apparel	14 092 990	1 193 610	775 740	1 020 350	1 234 293	1 109 499	1 058 163
-Leather and leather products	3 879 847	309 431	310 616	355 273	295 526	350 169	339 340
-Footwear	3 604 685	264 046	185 653	277 906	289 186	314 590	304 922
Wood and wood products, paper, publishing and printing	101 721 747	8 435 840	7 252 602	8 381 174	8 762 893	8 596 585	8 687 279
-Sawmilling and planing of wood	6 382 241	485 292	486 795	590 919	480 837	559 395	583 345
-Products of wood	15 749 367	1 308 300	1 037 201	1 228 243	1 368 862	1 350 991	1 284 857
-Paper and paper products	45 633 499	3 759 587	3 416 918	3 714 071	3 989 537	3 875 677	3 929 652
-Publishing	13 331 316	1 173 361	943 923	1 063 454	1 176 845	1 076 129	1 067 451
-Printing, recorded media	20 625 324	1 709 300	1 367 765	1 784 487	1 746 813	1 734 392	1 821 974
Petroleum, chemical products, rubber and plastic products	269 871 735	21 137 375	21 070 112	21 361 691	23 356 213	24 082 595	23 628 412
-Coke, petroleum products and nuclear fuel	93 661 889	6 452 731	8 274 095	6 857 767	7 761 376	8 960 045	8 312 293
-Basic chemicals	53 153 291	4 980 401	4 089 010	4 155 291	5 514 665	4 560 221	4 588 356
-Other chemical products	64 929 930	5 221 067	4 415 694	5 256 406	5 480 341	5 368 821	5 498 870
-Rubber products	12 371 122	1 076 973	848 213	1 109 113	1 037 213	1 081 655	1 066 971
-Plastic products	45 755 503	3 406 203	3 443 100	3 983 114	3 562 618	4 111 853	4 161 922
Glass and non-metallic mineral products	36 097 324	2 966 401	2 267 181	2 894 160	3 101 883	2 857 820	3 011 638
-Glass and glass products	6 605 208	564 301	447 551	521 581	599 372	555 219	553 084
-Non-metallic mineral products	29 492 116	2 402 100	1 819 630	2 372 579	2 502 511	2 302 601	2 458 554
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 472 456	18 721 225	16 703 123	18 919 072	19 859 693	19 687 703	20 096 868
-Basic iron and steel products	77 590 894	5 958 606	6 667 043	7 118 156	6 475 291	7 412 350	7 758 310
-Non-ferrous metal products	31 889 556	2 660 415	2 288 706	2 338 512	2 980 620	2 731 290	2 613 959
-Structural metal products	21 258 572	1 901 888	1 223 167	1 514 602	2 013 008	1 664 068	1 597 966
-Other fabricated metal products	38 068 027	3 140 245	2 478 340	3 181 194	3 306 135	3 173 069	3 349 794
-General purpose machinery	22 530 421	1 852 936	1 555 956	1 738 300	1 990 075	1 870 708	1 863 049
-Special purpose machinery	25 790 190	2 364 937	1 852 191	2 260 482	2 282 754	2 079 860	2 175 784
-Household appliances	9 344 796	842 198	637 720	767 826	811 810	756 359	738 005
Electrical machinery	37 917 103	3 258 229	2 566 864	3 190 220	3 257 358	3 361 395	3 173 105
Radio, television and communication apparatus and professional equipment	14 337 276	1 158 172	874 931	1 204 809	1 174 811	1 083 866	1 223 132
-Radio, television and communication apparatus	6 543 934	534 471	362 488	515 430	552 725	484 008	535 352
-Professional equipment	7 793 342	623 701	512 443	689 379	622 086	599 858	687 781
Motor vehicles, parts and accessories and other transport equipment	139 600 661	11 835 701	10 960 127	12 630 165	12 040 531	13 582 903	12 877 602
-Motor vehicles	68 801 772	6 256 496	5 322 812	6 458 821	6 350 570	6 939 633	6 573 810
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	541 732	355 607	557 834	573 657	543 221	592 083
-Parts and accessories	47 749 947	3 750 572	4 122 531	4 391 151	3 762 595	4 764 276	4 420 987
-Other transport equipment	16 460 851	1 286 901	1 159 177	1 222 359	1 353 709	1 335 773	1 290 722
Furniture and other manufacturing division	56 413 006	5 013 077	4 182 844	4 618 222	4 672 838	4 944 894	4 274 128
-Furniture	11 072 539	921 135	633 929	899 166	983 015	1 023 176	957 396
-Other manufacturing groups	45 340 467	4 091 942	3 548 915	3 719 056	3 689 823	3 921 718	3 316 732
Total	1 161 599 800	94 452 035	84 920 243	94 712 077	99 205 731	100 511 315	99 456 439

1/ Preliminary.

Table 8b – Estimated sales of the manufacturing industry according to manufacturing divisions and major groups (R000) (concluded)

Manufacturing divisions and major groups	Year 2009	Actual values			Seasonally adjusted values		
		February 2009	1/ February 2010	Percentage change between February 2009 and February 2010	January 2010	February 2010	Percentage change between January and February 2010
Food and beverages	240 845 177	18 630 280	18 484 569	-0,8	19 169 309	19 418 975	1,3
-Meat, fish, fruit, etc.	63 578 365	4 808 328	4 897 375	1,9	5 122 932	5 340 299	4,2
-Dairy products	20 468 131	1 630 972	1 604 555	-1,6	1 631 050	1 662 905	2,0
-Grain mill products	45 484 365	3 561 658	3 204 268	-10,0	3 515 402	3 531 656	0,5
-Other food products	53 840 204	4 250 051	3 880 035	-8,7	4 307 334	4 174 175	-3,1
-Beverages	57 474 112	4 379 271	4 898 336	11,9	4 592 590	4 709 941	2,6
Textiles, clothing, leather and footwear	38 323 315	3 295 735	3 027 995	-8,1	3 144 245	3 065 302	-2,5
-Textiles	5 754 712	534 403	468 043	-12,4	444 202	459 478	3,4
-Other textile products	9 345 257	851 129	764 609	-10,2	776 792	758 573	-2,3
-Knitted, crocheted articles	1 645 824	143 116	141 814	-0,9	148 993	144 826	-2,8
-Wearing apparel	14 092 990	1 193 610	1 020 350	-14,5	1 109 499	1 058 163	-4,6
-Leather and leather products	3 879 847	309 431	355 273	14,8	350 169	339 340	-3,1
-Footwear	3 604 685	264 046	277 906	5,2	314 590	304 922	-3,1
Wood and wood products, paper, publishing and printing	101 721 747	8 435 840	8 381 174	-0,6	8 596 585	8 687 279	1,1
-Sawmilling and planing of wood	6 382 241	485 292	590 919	21,8	559 395	583 345	4,3
-Products of wood	15 749 367	1 308 300	1 228 243	-6,1	1 350 991	1 284 857	-4,9
-Paper and paper products	45 633 499	3 759 587	3 714 071	-1,2	3 875 677	3 929 652	1,4
-Publishing	13 331 316	1 173 361	1 063 454	-9,4	1 076 129	1 067 451	-0,8
-Printing, recorded media	20 625 324	1 709 300	1 784 487	4,4	1 734 392	1 821 974	5,0
Petroleum, chemical products, rubber and plastic products	269 871 735	21 137 375	21 361 691	1,1	24 082 595	23 628 412	-1,9
-Coke, petroleum products and nuclear fuel	93 661 889	6 452 731	6 857 767	6,3	8 960 045	8 312 293	-7,2
-Basic chemicals	53 153 291	4 980 401	4 155 291	-16,6	4 560 221	4 588 356	0,6
-Other chemical products	64 929 930	5 221 067	5 256 406	0,7	5 368 821	5 498 870	2,4
-Rubber products	12 371 122	1 076 973	1 109 113	3,0	1 081 655	1 066 971	-1,4
-Plastic products	45 755 503	3 406 203	3 983 114	16,9	4 111 853	4 161 922	1,2
Glass and non-metallic mineral products	36 097 324	2 966 401	2 894 160	-2,4	2 857 820	3 011 638	5,4
-Glass and glass products	6 605 208	564 301	521 581	-7,6	555 219	553 084	-0,4
-Non-metallic mineral products	29 492 116	2 402 100	2 372 579	-1,2	2 302 601	2 458 554	6,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 472 456	18 721 225	18 919 072	1,1	19 687 703	20 096 868	2,1
-Basic iron and steel products	77 590 894	5 958 606	7 118 156	19,5	7 412 350	7 758 310	4,7
-Non-ferrous metal products	31 889 556	2 660 415	2 338 512	-12,1	2 731 290	2 613 959	-4,3
-Structural metal products	21 258 572	1 901 888	1 514 602	-20,4	1 664 068	1 597 966	-4,0
-Other fabricated metal products	38 068 027	3 140 245	3 181 194	1,3	3 173 069	3 349 794	5,6
-General purpose machinery	22 530 421	1 852 936	1 738 300	-6,2	1 870 708	1 863 049	-0,4
-Special purpose machinery	25 790 190	2 364 937	2 260 482	-4,4	2 079 860	2 175 784	4,6
-Household appliances	9 344 796	842 198	767 826	-8,8	756 359	738 005	-2,4
Electrical machinery	37 917 103	3 258 229	3 190 220	-2,1	3 361 395	3 173 105	-5,6
Radio, television and communication apparatus and professional equipment	14 337 276	1 158 172	1 204 809	4,0	1 083 866	1 223 132	12,8
-Radio, television and communication apparatus	6 543 934	534 471	515 430	-3,6	484 008	535 352	10,6
-Professional equipment	7 793 342	623 701	689 379	10,5	599 858	687 781	14,7
Motor vehicles, parts and accessories and other transport equipment	139 600 661	11 835 701	12 630 165	6,7	13 582 903	12 877 602	-5,2
-Motor vehicles	68 801 772	6 256 496	6 458 821	3,2	6 939 633	6 573 810	-5,3
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	541 732	557 834	3,0	543 221	592 083	9,0
-Parts and accessories	47 749 947	3 750 572	4 391 151	17,1	4 764 276	4 420 987	-7,2
-Other transport equipment	16 460 851	1 286 901	1 222 359	-5,0	1 335 773	1 290 722	-3,4
Furniture and other manufacturing division	56 413 006	5 013 077	4 618 222	-7,9	4 944 894	4 274 128	-13,6
-Furniture	11 072 539	921 135	899 166	-2,4	1 023 176	957 396	-6,4
-Other manufacturing groups	45 340 467	4 091 942	3 719 056	-9,1	3 921 718	3 316 732	-15,4
Total	1 161 599 800	94 452 035	94 712 077	0,3	100 511 315	99 456 439	-1,0

1/ Preliminary.

Table 9 – Annual percentage change in the three-monthly physical volume of manufacturing production and estimated value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights 2005	Production indices (base 2005=100)			Value of sales (R000)		
		December 2008 to February 2009	December 2009 to February 2010	Annual percentage change between December 2008 to February 2009 and December 2009 to February 2010	December 2008 to February 2009	December 2009 to February 2010	Annual percentage change between December 2008 to February 2009 and December 2009 to February 2010
Food and beverages	15,4	104,1	105,7	1,5	58 564 019	58 760 824	0,3
-Meat, fish, fruit, etc.	1,8	101,3	107,1	5,7	14 825 107	15 335 148	3,4
-Dairy products	0,8	112,5	113,5	0,9	5 214 858	5 162 372	-1,0
-Grain mill products	0,8	103,4	103,1	-0,3	11 434 944	10 211 814	-10,7
-Other food products	5,2	84,6	85,5	1,1	12 224 143	11 969 025	-2,1
-Beverages	6,8	118,8	120,2	1,2	14 864 967	16 082 465	8,2
Textiles, clothing, leather and footwear	4,9	82,1	72,7	-11,4	8 641 354	7 850 347	-9,2
-Textiles	0,7	71,6	56,8	-20,7	1 302 062	1 103 293	-15,3
-Other textile products	0,9	74,3	65,4	-12,0	2 165 966	1 949 149	-10,0
-Knitted, crocheted articles	0,2	89,2	90,8	1,8	352 043	354 815	0,8
-Wearing apparel	2,1	90,9	75,7	-16,7	3 297 729	2 758 188	-16,4
-Leather and leather products	0,6	72,7	80,0	10,0	812 385	949 679	16,9
-Footwear	0,4	82,8	81,2	-1,9	711 169	735 223	3,4
Wood and wood products, paper, publishing and printing	10,2	91,6	83,2	-9,2	24 249 724	23 182 300	-4,4
-Sawmilling and planing of wood	0,7	71,1	68,8	-3,2	1 403 350	1 508 736	7,5
-Products of wood	1,3	82,6	76,5	-7,4	3 683 623	3 331 139	-9,6
-Paper and paper products	3,8	106,4	96,9	-8,9	11 172 703	10 656 622	-4,6
-Publishing	1,9	90,1	75,1	-16,6	3 321 422	2 993 455	-9,9
-Printing, recorded media	2,5	80,3	75,7	-5,7	4 668 626	4 692 348	0,5
Petroleum, chemical products, rubber and plastic products	22,1	100,1	103,3	3,2	61 976 443	64 194 156	3,6
-Coke, petroleum products and nuclear fuel	8,5	90,8	90,7	-0,1	20 678 944	23 140 572	11,9
-Basic chemicals	4,5	107,8	107,5	-0,3	14 037 352	12 108 899	-13,7
-Other chemical products	5,3	103,7	103,6	-0,1	15 056 990	15 123 200	0,4
-Rubber products	1,0	68,6	69,8	1,7	2 756 898	2 800 468	1,6
-Plastic products	2,7	120,2	147,3	22,5	9 446 259	11 021 017	16,7
Glass and non-metallic mineral products	4,8	87,4	80,9	-7,4	7 808 813	7 717 395	-1,2
-Glass and glass products	1,0	115,5	111,5	-3,5	1 495 476	1 528 257	2,2
-Non-metallic mineral products	3,8	80,4	73,2	-9,0	6 313 337	6 189 138	-2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	75,1	82,9	10,4	52 503 709	51 334 347	-2,2
-Basic iron and steel products	7,7	46,0	84,1	82,8	16 262 721	19 016 193	16,9
-Non-ferrous metal products	3,4	92,8	91,6	-1,3	8 236 822	6 920 164	-16,0
-Structural metal products	2,0	86,1	75,5	-12,3	4 929 309	4 160 239	-15,6
-Other fabricated metal products	3,8	96,2	87,0	-9,6	8 513 685	8 094 965	-4,9
-General purpose machinery	2,4	71,5	64,0	-10,5	5 456 662	5 006 827	-8,2
-Special purpose machinery	3,1	95,0	84,8	-10,7	6 938 151	6 123 766	-11,7
-Household appliances	0,6	89,8	81,1	-9,7	2 166 359	2 012 193	-7,1
Electrical machinery	2,5	109,5	105,7	-3,5	8 562 398	8 424 101	-1,6
Radio, television and communication apparatus and professional equipment	1,1	87,9	86,0	-2,2	3 266 145	3 188 621	-2,4
-Radio, television and communication apparatus	0,4	102,8	89,2	-13,2	1 587 251	1 384 431	-12,8
-Professional equipment	0,7	78,4	84,0	7,1	1 678 894	1 804 190	7,5
Motor vehicles, parts and accessories and other transport equipment	10,9	61,3	78,1	27,4	32 852 594	33 614 405	2,3
-Motor vehicles	4,9	56,9	65,6	15,3	17 928 133	17 069 334	-4,8
-Bodies for motor vehicles, trailers and semi-trailers	0,5	89,9	85,2	-5,2	1 419 931	1 316 323	-7,3
-Parts and accessories	4,7	52,5	83,5	59,0	9 717 196	11 523 548	18,6
-Other transport equipment	0,9	113,6	112,4	-1,1	3 787 334	3 705 200	-2,2
Furniture and other manufacturing division	5,2	91,7	89,6	-2,3	12 575 151	14 169 126	12,7
-Furniture	1,3	78,8	74,4	-5,6	2 425 524	2 337 533	-3,6
-Other manufacturing groups	3,9	96,0	94,6	-1,5	10 149 627	11 831 593	16,6
Total	100,0	88,0	90,8	3,2	271 000 350	272 435 622	0,5

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

Manufacturing divisions and major groups	Weights 2005	Production indices (base 2005=100)				Value of sales (R million)			
		Jan. to Feb. 2009	Jan. to Feb. 2010	Annual percentage change between 2009 and 2010	Contribution (percentage points)	Jan. to Feb. 2009	Jan. to Feb. 2010	Annual percentage change between 2009 and 2010	Difference in sales between 2009 and 2010
Food and beverages	15,4	96,4	96,3	-0,1	0,0	36 137	35 268	-2,4	-869
-Meat, fish, fruit, etc.	1,8	97,5	99,4	1,9	0,0	9 216	9 296	0,9	80
-Dairy products	0,8	105,9	108,5	2,5	0,0	3 310	3 208	-3,1	-102
-Grain mill products	0,8	98,7	98,3	-0,4	0,0	7 163	6 396	-10,7	-767
-Other food products	5,2	83,8	81,1	-3,2	-0,2	8 044	7 500	-6,8	-544
-Beverages	6,8	104,4	105,4	1,0	0,1	8 405	8 869	5,5	464
Textiles, clothing, leather and footwear	4,9	84,0	74,9	-10,8	-0,5	5 724	5 287	-7,6	-437
-Textiles	0,7	79,4	61,5	-22,5	-0,1	919	782	-14,9	-137
-Other textile products	0,9	75,4	69,0	-8,5	-0,1	1 433	1 334	-6,9	-99
-Knitted, crocheted articles	0,2	94,4	97,4	3,2	0,0	240	245	2,1	5
-Wearing apparel	2,1	90,4	76,2	-15,7	-0,3	2 120	1 796	-15,3	-324
-Leather and leather products	0,6	76,7	80,7	5,2	0,0	571	666	16,6	95
-Footwear	0,4	84,5	84,5	0,0	0,0	439	464	5,7	25
Wood and wood products, paper, publishing and printing	10,2	89,5	85,1	-4,9	-0,5	15 987	15 634	-2,2	-353
-Sawmilling and planing of wood	0,7	75,4	77,2	2,4	0,0	987	1 078	9,2	91
-Products of wood	1,3	85,9	77,6	-9,7	-0,1	2 537	2 265	-10,7	-272
-Paper and paper products	3,8	101,0	99,2	-1,8	-0,1	7 197	7 131	-0,9	-66
-Publishing	1,9	88,6	75,6	-14,7	-0,3	2 202	2 007	-8,9	-195
-Printing, recorded media	2,5	78,4	76,4	-2,6	-0,1	3 065	3 152	2,8	87
Petroleum, chemical products, rubber and plastic products	22,1	101,0	102,2	1,2	0,3	41 399	42 432	2,5	1 033
-Coke, petroleum products and nuclear fuel	8,5	91,9	84,5	-8,1	-0,7	13 743	15 132	10,1	1 389
-Basic chemicals	4,5	105,4	111,0	5,3	0,3	9 419	8 244	-12,5	-1 175
-Other chemical products	5,3	103,9	103,5	-0,4	0,0	9 871	9 672	-2,0	-199
-Rubber products	1,0	78,4	77,0	-1,8	0,0	1 928	1 957	1,5	29
-Plastic products	2,7	124,8	149,5	19,8	0,8	6 438	7 426	15,3	988
Glass and non-metallic mineral products	4,8	87,9	79,8	-9,2	-0,4	5 399	5 161	-4,4	-238
-Glass and glass products	1,0	115,3	109,0	-5,5	-0,1	994	969	-2,5	-25
-Non-metallic mineral products	3,8	81,1	72,5	-10,6	-0,4	4 405	4 192	-4,8	-213
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	76,7	84,6	10,3	2,1	35 404	35 622	0,6	218
-Basic iron and steel products	7,7	49,5	85,0	71,7	3,1	11 339	13 785	21,6	2 446
-Non-ferrous metal products	3,4	88,4	91,7	3,7	0,1	5 169	4 627	-10,5	-542
-Structural metal products	2,0	88,2	78,3	-11,2	-0,2	3 336	2 738	-17,9	-598
-Other fabricated metal products	3,8	102,2	92,9	-9,1	-0,4	5 944	5 660	-4,8	-284
-General purpose machinery	2,4	70,4	63,8	-9,4	-0,2	3 570	3 294	-7,7	-276
-Special purpose machinery	3,1	93,4	85,3	-8,7	-0,3	4 510	4 113	-8,8	-397
-Household appliances	0,6	98,9	87,8	-11,2	-0,1	1 535	1 406	-8,4	-129
Electrical machinery	2,5	114,1	110,6	-3,1	-0,1	5 871	5 757	-1,9	-114
Radio, television and communication apparatus and professional equipment	1,1	83,9	86,4	3,0	0,0	2 100	2 080	-1,0	-20
-Radio, television and communication apparatus	0,4	97,1	90,4	-6,9	0,0	952	878	-7,8	-74
-Professional equipment	0,7	75,5	83,9	11,1	0,1	1 147	1 202	4,8	55
Motor vehicles, parts and accessories and other transport equipment	10,9	67,7	85,2	25,8	2,2	21 302	23 590	10,7	2 288
-Motor vehicles	4,9	64,3	73,1	13,7	0,5	10 753	11 782	9,6	1 029
-Bodies for motor vehicles, trailers and semi-trailers	0,5	95,2	92,3	-3,0	0,0	947	913	-3,6	-34
-Parts and accessories	4,7	59,3	92,5	56,0	1,8	7 098	8 514	19,9	1 416
-Other transport equipment	0,9	113,2	108,5	-4,2	0,0	2 504	2 382	-4,9	-122
Furniture and other manufacturing division	5,2	89,6	90,8	1,3	0,1	8 445	8 801	4,2	356
-Furniture	1,3	75,8	74,1	-2,2	0,0	1 536	1 533	-0,2	-3
-Other manufacturing groups	3,9	94,2	96,4	2,3	0,1	6 909	7 268	5,2	359
Total	100,0	88,0	90,7	3,1	3,1	177 768	179 632	1,0	1 864

1/ The contribution (percentage points) of a major group or division is calculated by multiplying the difference 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**
- 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.
 - 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.
 - 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.
 - 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).
- Purpose of the survey**
- 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).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for February 2010 was 90,7%. Improved response rate for January 2010 was 92,5%.
- Statistical unit**
- 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.

Survey methodology and design

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of 3 049 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, and for size groups three and four (small) 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 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 2010, 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 2010).

Seasonal adjustment

- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- 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 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.
- 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 |

Technical notes**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 divisions and 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 - 2010
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
-Coke, petroleum products and nuclear fuel	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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