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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Actual estimates	January 2010	% change between January 2009 and January 2010	% change between November 2008 to January 2009 and November 2009 to January 2010
Physical volume of manufacturing production index (2005=100)	87,0	3,7	0,2
Total estimated sales of manufactured products (R million)	85 291	2,4	-2,7

Seasonally adjusted estimates	January 2010	% change between December 2009 and January 2010	% change between August to October 2009 and November 2009 to January 2010
Physical volume of manufacturing production index (2005=100)	101,5	-0,6	4,1
Total value of sales of manufactured products (R million)	100 980	-1,7	5,0

Key findings regarding manufacturing production for January 2010

Seasonally adjusted production

The seasonally adjusted manufacturing production for the three months ended January 2010 increased by 4,1% compared with the previous three months ended October 2009, better than the revised 3,4% quarter-on-quarter increase in December 2009. Higher production levels were reported by eight of the ten manufacturing divisions during the latest three months.

The increase was driven mainly by higher production in the motor vehicles, parts and accessories and other transport equipment division (17,1% and contributing 1,6 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,5% and contributing 1,1 percentage points), the petroleum, chemical products, rubber and plastic products division (3,8% and contributing 0,9 of a percentage point), the furniture and 'other' manufacturing division (7,9% and contributing 0,4 of a percentage point), the textiles, clothing, leather and footwear division and the glass and non-metallic mineral products division (each contributing 0,1 of a percentage point) (see Table B).

Estimated actual production

The estimated manufacturing production for January 2010 increased by 3,7% compared with January 2009, improving on the 3,2% increase in December 2009 compared to December 2008.

The increase of 3,7% was mainly due to higher production in the motor vehicles, parts and accessories and other transport equipment division (34,2% and contributing 2,7 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (13,1% and contributing 2,6 percentage points) and the furniture and 'other' manufacturing division (16,3% and contributing 0,8 of a percentage point). However, these increases were partially counteracted by decreases in all seven remaining divisions where the biggest negative contributors were the textiles, clothing, leather and footwear division and the wood, paper, publishing and printing division (each contributing -0,6 of a percentage point), the glass and non-metallic mineral products division (contributing -0,5 of a percentage point) and the food and beverages division (contributing -0,4 of a percentage point) (see Table 4b).

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

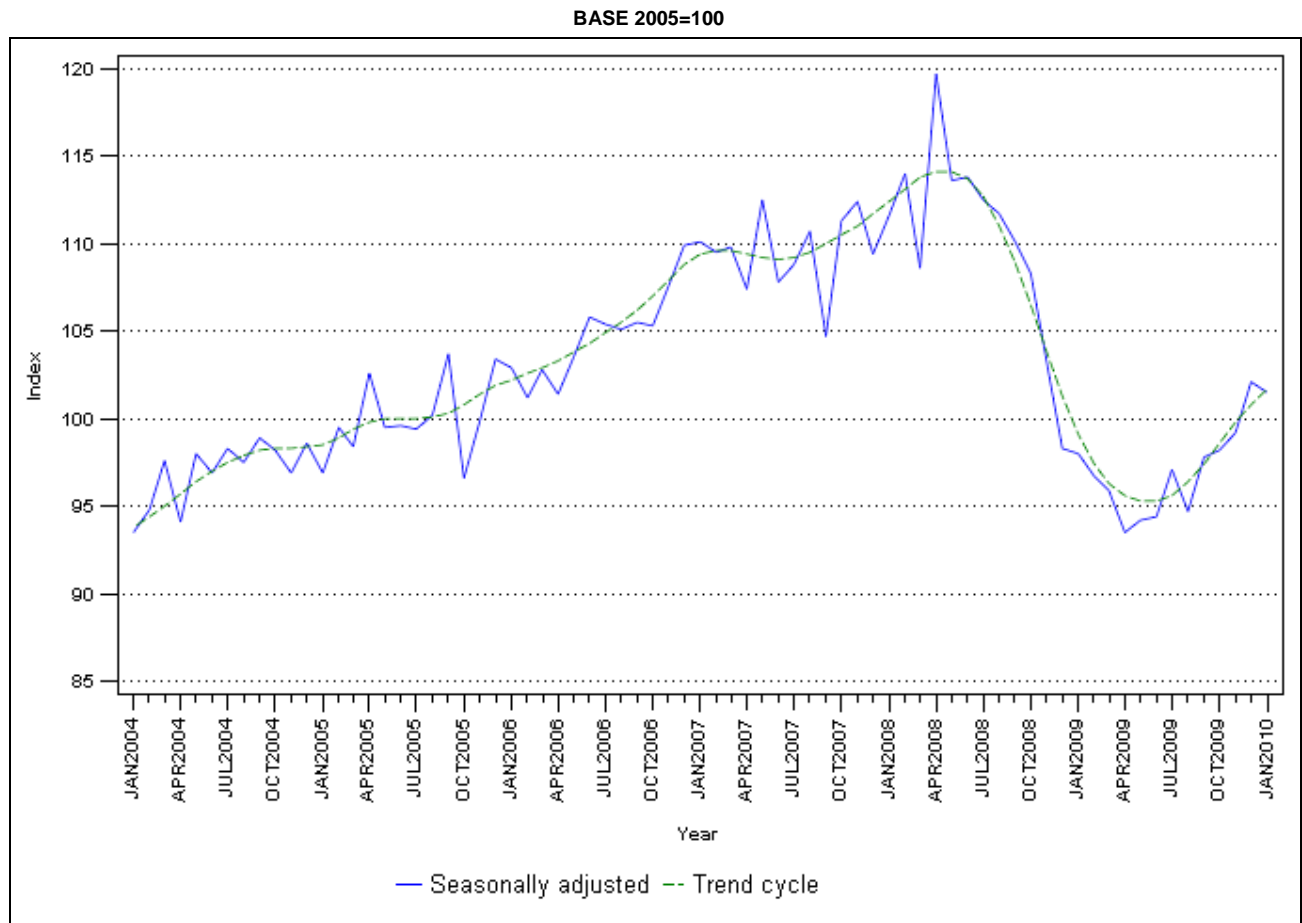
Base 2005=100

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 August to October 2009	Average seasonally adjusted production index for November 2009 to January 2010	Quarterly percentage change of November 2009 to January 2010 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	112,5	112,5	0,0	0,0
-Meat, fish, fruit, etc.	1,8	112,3	115,3	2,7	0,1
-Dairy products	0,8	112,1	111,2	-0,8	0,0
-Grain mill products	0,8	108,6	109,9	1,2	0,0
-Other food products	5,2	110,8	107,0	-3,4	-0,2
-Beverages	6,8	114,5	116,4	1,7	0,1
Textiles, clothing, leather and footwear	4,9	85,4	87,2	2,1	0,1
-Textiles	1,6	72,3	74,1	2,5	0,0
-Wearing apparel	2,3	90,6	90,6	0,0	0,0
-Leather and leather products	0,6	84,0	94,8	12,9	0,1
-Footwear	0,4	107,9	106,8	-1,0	0,0
Wood and wood products, paper, publishing and printing	10,2	89,7	90,0	0,3	0,0
-Wood and products of wood	2,0	80,7	84,9	5,2	0,1
-Paper and paper products	3,8	103,1	102,2	-0,9	0,0
-Publishing and printing	4,3	82,0	81,5	-0,6	0,0
Petroleum, chemical products, rubber and plastic products	22,1	107,8	111,9	3,8	0,9
-Coke, petroleum products and nuclear fuel	8,5	93,1	97,3	4,5	0,4
-Basic chemicals	4,5	110,5	112,1	1,4	0,1
-Other chemical products	5,3	107,8	112,0	3,9	0,2
-Rubber products	1,0	75,9	79,1	4,2	0,0
-Plastic products	2,7	161,0	168,8	4,8	0,2
Glass and non-metallic mineral products	4,8	94,4	96,2	1,9	0,1
-Glass and glass products	1,0	119,8	123,3	2,9	0,0
-Non-metallic mineral products	3,8	88,1	89,4	1,5	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	87,5	92,3	5,5	1,1
-Basic iron and steel products	7,7	80,8	94,8	17,3	1,1
-Basic precious, non-ferrous metal products	3,4	95,0	94,8	-0,2	0,0
-Fabricated metal products	5,7	96,5	99,1	2,7	0,2
-Machinery and equipment	6,1	83,3	81,3	-2,4	-0,1
Electrical machinery	2,5	118,4	120,3	1,6	0,0
Radio, television and communication apparatus and professional equipment	1,1	99,7	91,3	-8,4	-0,1
-Radio, television and communication apparatus	0,4	107,9	91,4	-15,3	-0,1
-Professional equipment	0,7	94,5	91,2	-3,5	0,0
Motor vehicles, parts and accessories and other transport equipment	10,9	81,7	95,7	17,1	1,6
-Motor vehicles	4,9	61,4	80,1	30,5	0,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	99,0	107,5	8,6	0,0
-Parts and accessories	4,7	92,5	103,7	12,1	0,5
-Other transport equipment	0,9	124,1	130,9	5,5	0,1
Furniture and other manufacturing division	5,2	93,8	101,2	7,9	0,4
-Furniture	1,3	86,1	91,0	5,7	0,1
-Other manufacturing groups	3,9	96,4	104,6	8,5	0,3
Total	100,0	96,9	100,9	4,1	4,1

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 January 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 January 2010 increased by 5,0% (R14 408 million), after seasonal adjustment, compared with the previous three months ended October 2009. Higher manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).

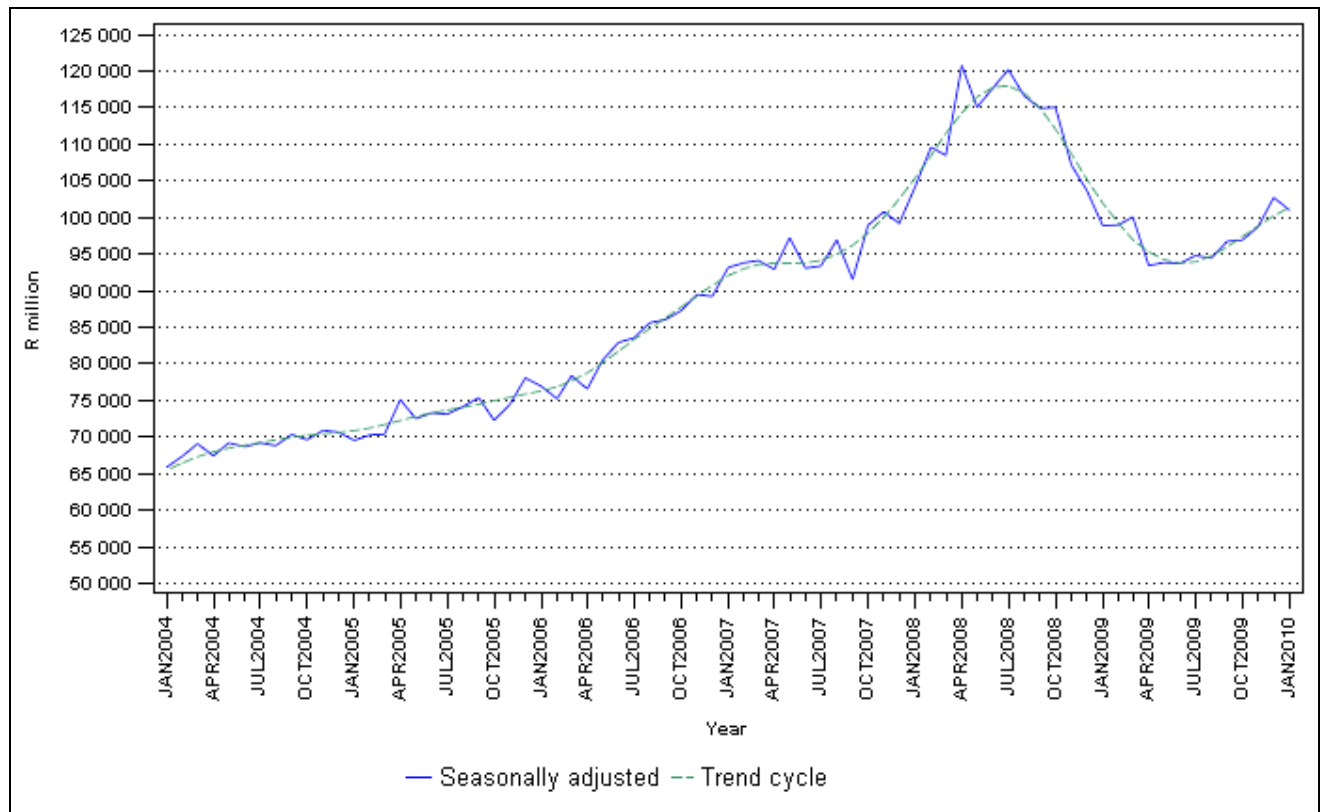
Large increases were mainly reported for the motor vehicles, parts and accessories and other transport equipment division (21,2% or R7 064 million), the furniture and other manufacturing division (10,9% or R1 522 million) and the petroleum, chemical products, rubber and plastic products division (5,5% or R3 717 million) during the above-mentioned period (see Table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales August to October 2009	Seasonally adjusted sales November 2009 to January 2010	Percentage change between August to October 2009 and November 2009 to January 2010	Difference in seasonally adjusted sales between August to October 2009 and November 2009 to January 2010
	R000	R000	%	R 000
Food and beverages	60 292 752	60 434 373	0,2	141 621
-Food and food products	45 770 047	45 562 244	-0,5	-207 803
-Beverages	14 522 707	14 872 129	2,4	349 422
Textiles, clothing, leather and footwear	9 188 731	9 342 718	1,7	153 987
-Textiles	3 587 680	3 664 152	2,1	76 472
-Wearing apparel	3 692 405	3 654 409	-1,0	-37 996
-Leather and leather products	1 000 727	1 097 681	9,7	96 954
-Footwear	907 919	926 474	2,0	18 555
Wood and wood products, paper, publishing and printing	24 848 758	25 201 638	1,4	352 880
-Wood and products of wood	5 338 998	5 644 392	5,7	305 394
-Paper and paper products	11 223 170	11 243 016	0,2	19 846
-Publishing and printing	8 286 590	8 314 231	0,3	27 641
Petroleum, chemical products, rubber and plastic products	67 806 835	71 523 910	5,5	3 717 075
-Coke, petroleum products and nuclear fuel	24 537 577	25 711 193	4,8	1 173 616
-Basic chemicals	12 519 929	13 559 128	8,3	1 039 199
-Other chemical products	15 808 034	16 563 411	4,8	755 377
-Rubber products	3 065 663	3 196 436	4,3	130 773
-Plastic products	11 875 629	12 493 739	5,2	618 110
Glass and non-metallic mineral products	8 905 988	9 189 390	3,2	283 402
-Glass and glass products	1 626 633	1 742 491	7,1	115 858
-Non-metallic mineral products	7 279 356	7 446 899	2,3	167 543
Basic iron and steel, non-ferrous metal products, metal products and machinery	56 839 024	57 806 919	1,7	967 895
-Basic iron and steel products	20 711 006	21 185 922	2,3	474 916
-Basic precious, non-ferrous metal products	7 756 355	7 992 031	3,0	235 676
-Fabricated metal products	14 086 957	14 489 047	2,9	402 090
-Machinery and equipment	14 284 705	14 139 918	-1,0	-144 787
Electrical machinery	9 213 510	9 533 234	3,5	319 724
Radio, television and communication apparatus and professional equipment	3 574 653	3 460 279	-3,2	-114 374
-Radio, television and communication apparatus	1 687 874	1 511 691	-10,4	-176 183
-Professional equipment	1 886 779	1 948 588	3,3	61 809
Motor vehicles, parts and accessories and other transport equipment	33 378 534	40 442 909	21,2	7 064 375
-Motor vehicles, trailers, parts and accessories	29 331 487	36 108 079	23,1	6 776 592
-Other transport equipment	4 047 046	4 334 830	7,1	287 784
Furniture and other manufacturing division	14 009 524	15 531 265	10,9	1 521 741
-Furniture	2 690 055	2 845 749	5,8	155 694
-Other manufacturing groups	11 319 468	12 685 516	12,1	1 366 048
Total	288 058 311	302 466 635	5,0	14 408 324

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

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



P J Lehohla
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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/ 87,0
Feb	91,5	95,5	96,8	104,6	108,5	92,0	
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	1/ 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	3,7
Feb	-1,2	4,4	1,4	8,1	3,7	-15,2	
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	101,5
Feb	94,8	99,5	101,2	109,5	114,0	96,7	
Mar	97,6	98,4	102,8	109,8	108,6	95,9	
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	99,6	105,8	107,8	113,8	94,4	
Jul	98,3	99,4	105,4	108,8	112,5	97,1	
Aug	97,5	100,2	105,1	110,7	111,7	94,7	
Sep	98,9	103,7	105,5	104,7	110,1	97,8	
Oct	98,2	96,6	105,3	111,3	108,3	98,2	
Nov	96,9	99,9	107,6	112,4	103,2	99,2	
Dec	98,6	103,4	109,9	109,4	98,3	102,1	

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		
			January 2009	1/ December 2009	1/ January 2010	January 2009	December 2009	January 2010
Food and beverages	15,4	111,7	95,0	124,7	92,9	111,1	115,0	108,7
-Meat, fish, fruit, etc.	1,8	109,3	91,9	122,3	94,5	104,1	120,5	107,6
-Dairy products	0,8	109,8	109,7	124,7	115,1	107,5	111,4	112,8
-Grain mill products	0,8	108,5	98,4	112,7	97,8	106,5	110,8	105,9
-Other food products	5,2	110,3	80,8	94,2	75,6	110,7	109,6	103,8
-Beverages	6,8	114,0	104,6	150,0	102,4	114,3	118,6	112,6
Textiles, clothing, leather and footwear	4,9	89,6	72,1	68,9	61,3	101,8	87,9	85,6
-Textiles	0,7	73,7	67,7	47,5	47,6	91,3	74,9	64,0
-Other textile products	0,9	78,2	58,9	60,1	60,1	80,6	77,2	82,2
-Knitted, crocheted articles	0,2	104,4	74,6	77,6	79,7	104,8	112,2	112,5
-Wearing apparel	2,1	96,5	79,0	74,7	57,0	118,5	88,7	85,8
-Leather and leather products	0,6	83,6	72,6	78,6	83,2	80,0	97,2	92,3
-Footwear	0,4	107,3	71,4	74,7	68,5	111,0	105,3	106,4
Wood and wood products, paper, publishing and printing	10,2	91,9	85,3	79,4	80,3	99,3	88,5	93,6
-Sawmilling and planing of wood	0,7	73,4	72,4	52,0	69,2	83,9	72,2	80,4
-Products of wood	1,3	88,6	81,6	74,2	72,4	103,1	96,4	91,0
-Paper and paper products	3,8	103,6	100,4	92,3	97,0	112,8	97,8	109,2
-Publishing	1,9	86,8	84,2	74,2	73,6	95,8	76,3	83,9
-Printing, recorded media	2,5	84,8	68,4	74,0	66,7	83,4	83,9	81,7
Petroleum, chemical products, rubber and plastic products	22,1	107,5	102,2	105,3	101,7	111,9	115,1	112,1
-Coke, petroleum products and nuclear fuel	8,5	95,3	100,3	103,3	91,7	97,9	101,5	89,7
-Basic chemicals	4,5	107,9	105,4	100,4	109,0	119,6	113,6	124,4
-Other chemical products	5,3	109,5	99,3	102,2	94,8	118,6	114,7	113,4
-Rubber products	1,0	77,3	73,8	55,5	66,7	86,7	81,5	78,4
-Plastic products	2,7	151,7	118,3	143,1	146,6	138,8	172,8	171,8
Glass and non-metallic mineral products	4,8	96,5	82,6	83,5	74,3	101,6	101,1	91,5
-Glass and glass products	1,0	121,6	103,6	116,5	102,5	121,4	123,9	120,6
-Non-metallic mineral products	3,8	90,2	77,4	75,2	67,2	96,7	95,4	84,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	72,7	79,4	82,2	83,2	91,1	93,4
-Basic iron and steel products	7,7	72,0	47,4	82,2	88,8	51,7	91,9	97,7
-Non-ferrous metal products	3,4	95,4	89,7	91,6	89,0	94,9	92,8	94,5
-Structural metal products	2,0	96,7	72,5	69,8	73,6	94,2	93,7	95,6
-Other fabricated metal products	3,8	104,5	93,7	75,2	82,4	117,5	101,5	103,1
-General purpose machinery	2,4	73,2	68,9	64,5	60,7	80,7	71,5	70,8
-Special purpose machinery	3,1	88,3	91,4	83,9	79,6	97,9	87,8	85,4
-Household appliances	0,6	96,0	88,6	67,7	83,3	101,8	93,0	95,6
Electrical machinery	2,5	121,2	101,5	95,8	100,5	126,2	117,6	124,2
Radio, television and communication apparatus and professional equipment	1,1	98,7	74,6	85,3	68,2	90,0	95,4	82,4
-Radio, television and communication apparatus	0,4	102,8	89,4	86,8	72,1	111,8	91,1	90,5
-Professional equipment	0,7	96,1	65,2	84,4	65,7	76,1	98,0	77,3
Motor vehicles, parts and accessories and other transport equipment	10,9	79,8	60,8	64,3	81,6	74,0	98,0	99,6
-Motor vehicles	4,9	66,1	54,1	50,6	68,3	69,7	82,1	89,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	81,6	71,2	70,0	116,0	110,9	100,1
-Parts and accessories	4,7	82,4	56,0	65,6	90,7	64,2	106,0	105,2
-Other transport equipment	0,9	125,2	109,4	124,8	111,0	124,6	134,5	127,0
Furniture and other manufacturing division	5,2	94,5	74,8	87,1	87,0	94,5	100,4	108,2
-Furniture	1,3	88,8	59,7	75,1	60,9	94,6	90,0	96,8
-Other manufacturing groups	3,9	96,4	79,8	91,1	95,6	94,4	103,9	112,0
Total	100,0	96,7	83,9	91,0	87,0	98,0	102,1	101,5

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 2009	Actual indices			Seasonally adjusted indices		
			January 2009	1/ January 2010	Percentage change between January 2009 and January 2010	December 2009	January 2010	Percentage change between December 2009 and January 2010
Food and beverages	15,4	111,7	95,0	92,9	-2,2	115,0	108,7	-5,5
-Meat, fish, fruit, etc.	1,8	109,3	91,9	94,5	2,8	120,5	107,6	-10,7
-Dairy products	0,8	109,8	109,7	115,1	4,9	111,4	112,8	1,3
-Grain mill products	0,8	108,5	98,4	97,8	-0,6	110,8	105,9	-4,4
-Other food products	5,2	110,3	80,8	75,6	-6,4	109,6	103,8	-5,3
-Beverages	6,8	114,0	104,6	102,4	-2,1	118,6	112,6	-5,1
Textiles, clothing, leather and footwear	4,9	89,6	72,1	61,3	-15,0	87,9	85,6	-2,6
-Textiles	0,7	73,7	67,7	47,6	-29,7	74,9	64,0	-14,6
-Other textile products	0,9	78,2	58,9	60,1	2,0	77,2	82,2	6,5
-Knitted, crocheted articles	0,2	104,4	74,6	79,7	6,8	112,2	112,5	0,3
-Wearing apparel	2,1	96,5	79,0	57,0	-27,8	88,7	85,8	-3,3
-Leather and leather products	0,6	83,6	72,6	83,2	14,6	97,2	92,3	-5,0
-Footwear	0,4	107,3	71,4	68,5	-4,1	105,3	106,4	1,0
Wood and wood products, paper, publishing and printing	10,2	91,9	85,3	80,3	-5,9	88,5	93,6	5,8
-Sawmilling and planing of wood	0,7	73,4	72,4	69,2	-4,4	72,2	80,4	11,4
-Products of wood	1,3	88,6	81,6	72,4	-11,3	96,4	91,0	-5,6
-Paper and paper products	3,8	103,6	100,4	97,0	-3,4	97,8	109,2	11,7
-Publishing	1,9	86,8	84,2	73,6	-12,6	76,3	83,9	10,0
-Printing, recorded media	2,5	84,8	68,4	66,7	-2,5	83,9	81,7	-2,6
Petroleum, chemical products, rubber and plastic products	22,1	107,5	102,2	101,7	-0,5	115,1	112,1	-2,6
-Coke, petroleum products and nuclear fuel	8,5	95,3	100,3	91,7	-8,6	101,5	89,7	-11,6
-Basic chemicals	4,5	107,9	105,4	109,0	3,4	113,6	124,4	9,5
-Other chemical products	5,3	109,5	99,3	94,8	-4,5	114,7	113,4	-1,1
-Rubber products	1,0	77,3	73,8	66,7	-9,6	81,5	78,4	-3,8
-Plastic products	2,7	151,7	118,3	146,6	23,9	172,8	171,8	-0,6
Glass and non-metallic mineral products	4,8	96,5	82,6	74,3	-10,0	101,1	91,5	-9,5
-Glass and glass products	1,0	121,6	103,6	102,5	-1,1	123,9	120,6	-2,7
-Non-metallic mineral products	3,8	90,2	77,4	67,2	-13,2	95,4	84,2	-11,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	85,9	72,7	82,2	13,1	91,1	93,4	2,5
-Basic iron and steel products	7,7	72,0	47,4	88,8	87,3	91,9	97,7	6,3
-Non-ferrous metal products	3,4	95,4	89,7	89,0	-0,8	92,8	94,5	1,8
-Structural metal products	2,0	96,7	72,5	73,6	1,5	93,7	95,6	2,0
-Other fabricated metal products	3,8	104,5	93,7	82,4	-12,1	101,5	103,1	1,6
-General purpose machinery	2,4	73,2	68,9	60,7	-11,9	71,5	70,8	-1,0
-Special purpose machinery	3,1	88,3	91,4	79,6	-12,9	87,8	85,4	-2,7
-Household appliances	0,6	96,0	88,6	83,3	-6,0	93,0	95,6	2,8
Electrical machinery	2,5	121,2	101,5	100,5	-1,0	117,6	124,2	5,6
Radio, television and communication apparatus and professional equipment	1,1	98,7	74,6	68,2	-8,6	95,4	82,4	-13,6
-Radio, television and communication apparatus	0,4	102,8	89,4	72,1	-19,4	91,1	90,5	-0,7
-Professional equipment	0,7	96,1	65,2	65,7	0,8	98,0	77,3	-21,1
Motor vehicles, parts and accessories and other transport equipment	10,9	79,8	60,8	81,6	34,2	98,0	99,6	1,6
-Motor vehicles	4,9	66,1	54,1	68,3	26,2	82,1	89,0	8,4
-Bodies for motor vehicles, trailers and semi-trailers	0,5	104,3	81,6	70,0	-14,2	110,9	100,1	-9,7
-Parts and accessories	4,7	82,4	56,0	90,7	62,0	106,0	105,2	-0,8
-Other transport equipment	0,9	125,2	109,4	111,0	1,5	134,5	127,0	-5,6
Furniture and other manufacturing division	5,2	94,5	74,8	87,0	16,3	100,4	108,2	7,8
-Furniture	1,3	88,8	59,7	60,9	2,0	90,0	96,8	7,6
-Other manufacturing groups	3,9	96,4	79,8	95,6	19,8	103,9	112,0	7,8
Total	100,0	96,7	83,9	87,0	3,7	102,1	101,5	-0,6

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/ 85 291 056
Feb	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035	
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	1/ 109 078 529	
Dec	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	1/ 92 783 424	
Year	828 002 536	878 902 374	993 377 692	1 145 786 642	1 357 524 329	1 161 579 922	

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	2,4
Feb	3,6	3,9	6,8	24,4	16,2	-9,5	
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	65 859 620	69 536 239	76 922 589	93 145 830	104 178 155	98 904 211	100 980 250
Feb	67 398 886	70 271 164	75 218 909	93 800 036	109 606 139	98 965 802	
Mar	69 063 102	70 352 775	78 352 589	94 103 087	108 478 817	100 062 840	
Apr	67 410 898	75 091 061	76 560 235	92 906 639	120 759 004	93 429 404	
May	69 179 270	72 486 031	80 506 883	97 210 196	115 063 923	93 822 362	
Jun	68 661 639	73 278 056	82 916 943	93 055 890	117 698 413	93 711 744	
Jul	69 184 107	73 089 073	83 532 982	93 356 957	120 196 576	94 779 615	
Aug	68 818 388	74 137 601	85 587 699	96 913 754	116 601 466	94 429 565	
Sep	70 326 477	75 359 891	86 046 736	91 531 421	114 908 826	96 725 798	
Oct	69 612 244	72 270 710	87 241 041	98 932 860	115 035 323	96 902 948	
Nov	70 877 345	74 442 634	89 456 426	100 768 713	107 168 529	98 767 013	
Dec	70 643 544	78 063 809	89 203 923	99 179 699	103 696 728	102 719 372	

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		
		January 2009	1/ December 2009	1/ January 2010	January 2009	December 2009	January 2010
Food and beverages	240 844 835	17 507 145	23 510 652	16 873 444	19 997 014	20 871 680	19 313 260
-Meat, fish, fruit, etc.	63 533 733	4 407 418	6 012 021	4 394 133	5 133 553	5 586 153	5 127 475
-Dairy products	20 504 824	1 679 504	1 990 882	1 622 793	1 704 500	1 770 662	1 644 723
-Grain mill products	45 484 365	3 600 948	3 816 257	3 190 069	3 964 017	3 642 718	3 518 839
-Other food products	53 834 047	3 793 731	4 463 209	3 614 250	4 544 846	4 593 117	4 331 657
-Beverages	57 487 866	4 025 544	7 228 283	4 052 199	4 650 100	5 279 030	4 690 566
Textiles, clothing, leather and footwear	38 350 493	2 428 171	2 574 618	2 202 658	3 480 805	3 128 670	3 128 016
-Textiles	5 754 712	384 656	321 136	316 487	541 136	455 988	445 679
-Other textile products	9 372 443	582 139	625 938	570 482	800 152	787 269	786 684
-Knitted, crocheted articles	1 645 824	97 292	110 000	101 620	141 900	146 504	148 794
-Wearing apparel	14 092 990	926 831	962 098	699 173	1 407 898	1 069 542	1 062 540
-Leather and leather products	3 879 847	262 052	283 790	332 471	292 571	365 882	373 352
-Footwear	3 604 677	175 201	271 656	182 425	297 149	303 483	310 967
Wood and wood products, paper, publishing and printing	101 715 462	7 551 259	7 542 239	7 264 453	8 907 988	8 428 845	8 566 880
-Sawmilling and planing of wood	6 382 241	501 577	431 022	480 601	571 219	575 756	548 242
-Products of wood	15 749 367	1 228 451	1 065 695	1 039 259	1 622 236	1 359 771	1 368 175
-Paper and paper products	45 633 499	3 437 343	3 525 633	3 427 707	3 863 146	3 743 808	3 859 412
-Publishing	13 332 186	1 028 276	986 948	948 259	1 178 044	1 017 308	1 088 656
-Printing, recorded media	20 618 169	1 355 612	1 532 941	1 368 627	1 673 343	1 732 202	1 702 395
Petroleum, chemical products, rubber and plastic products	269 791 539	20 261 773	21 684 689	21 374 954	23 143 009	24 276 701	24 409 498
-Coke, petroleum products and nuclear fuel	93 661 889	7 289 913	8 008 710	8 422 963	7 882 050	8 483 626	9 137 677
-Basic chemicals	53 153 291	4 438 488	3 864 598	4 095 033	4 950 986	4 599 160	4 573 395
-Other chemical products	64 849 734	4 650 210	5 373 436	4 387 574	5 628 984	5 891 176	5 327 645
-Rubber products	12 371 122	851 042	843 142	848 213	1 091 909	1 089 989	1 085 479
-Plastic products	45 755 503	3 032 120	3 594 803	3 621 171	3 589 080	4 212 749	4 285 302
Glass and non-metallic mineral products	36 124 804	2 432 800	2 570 436	2 283 268	3 064 518	3 276 851	2 878 283
-Glass and glass products	6 605 208	429 681	559 125	447 551	535 960	591 950	558 837
-Non-metallic mineral products	29 519 596	2 003 119	2 011 311	1 835 717	2 528 558	2 684 901	2 319 446
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 458 143	16 682 283	15 696 259	16 730 799	19 712 441	18 938 114	19 657 669
-Basic iron and steel products	77 576 581	5 380 755	5 215 101	6 659 268	5 894 892	6 825 335	7 329 341
-Non-ferrous metal products	31 889 556	2 508 242	2 292 946	2 288 706	3 018 929	2 401 607	2 770 687
-Structural metal products	21 258 572	1 434 449	1 422 470	1 232 265	1 936 477	1 865 927	1 670 691
-Other fabricated metal products	38 068 027	2 803 288	2 435 431	2 502 810	3 565 250	3 138 355	3 184 173
-General purpose machinery	22 530 421	1 717 305	1 712 571	1 555 956	2 069 726	1 882 786	1 873 955
-Special purpose machinery	25 790 190	2 145 427	2 011 093	1 852 191	2 404 591	2 049 680	2 070 432
-Household appliances	9 344 796	692 817	606 647	639 603	822 574	774 424	758 390
Electrical machinery	37 911 273	2 612 872	2 666 762	2 557 040	3 426 731	3 145 830	3 305 896
Radio, television and communication apparatus and professional equipment	14 337 276	941 571	1 108 881	888 283	1 160 856	1 224 153	1 096 404
-Radio, television and communication apparatus	6 543 934	417 989	506 513	367 808	549 228	526 707	484 351
-Professional equipment	7 793 342	523 582	602 368	520 475	611 628	697 446	612 053
Motor vehicles, parts and accessories and other transport equipment	139 650 661	9 466 132	10 074 113	10 917 169	11 851 780	13 685 374	13 724 685
-Motor vehicles	68 801 772	4 496 338	5 287 701	5 322 812	5 940 155	6 899 037	7 080 788
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	405 613	402 882	339 760	620 664	544 046	520 354
-Parts and accessories	47 749 947	3 347 407	3 009 866	4 036 915	3 892 374	4 748 152	4 717 652
-Other transport equipment	16 510 851	1 216 774	1 373 664	1 217 682	1 398 587	1 494 140	1 405 891
Furniture and other manufacturing division	56 395 436	3 431 855	5 354 775	4 198 988	4 159 070	5 743 153	4 899 659
-Furniture	11 072 539	615 174	804 438	633 194	984 608	938 385	1 015 152
-Other manufacturing groups	45 322 897	2 816 681	4 550 337	3 565 794	3 174 461	4 804 768	3 884 507
Total	1 161 579 922	83 315 861	92 783 424	85 291 056	98 904 211	102 719 372	100 980 250

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		
		January 2009	1/ January 2010	Percentage change between January 2009 and January 2010	December 2009	January 2010	Percentage change between December 2009 and January 2010
Food and beverages	240 844 835	17 507 145	16 873 444	-3,6	20 871 680	19 313 260	-7,5
-Meat, fish, fruit, etc.	63 533 733	4 407 418	4 394 133	-0,3	5 586 153	5 127 475	-8,2
-Dairy products	20 504 824	1 679 504	1 622 793	-3,4	1 770 662	1 644 723	-7,1
-Grain mill products	45 484 365	3 600 948	3 190 069	-11,4	3 642 718	3 518 839	-3,4
-Other food products	53 834 047	3 793 731	3 614 250	-4,7	4 593 117	4 331 657	-5,7
-Beverages	57 487 866	4 025 544	4 052 199	0,7	5 279 030	4 690 566	-11,1
Textiles, clothing, leather and footwear	38 350 493	2 428 171	2 202 658	-9,3	3 128 670	3 128 016	0,0
-Textiles	5 754 712	384 656	316 487	-17,7	455 988	445 679	-2,3
-Other textile products	9 372 443	582 139	570 482	-2,0	787 269	786 684	-0,1
-Knitted, crocheted articles	1 645 824	97 292	101 620	4,4	146 504	148 794	1,6
-Wearing apparel	14 092 990	926 831	699 173	-24,6	1 069 542	1 062 540	-0,7
-Leather and leather products	3 879 847	262 052	332 471	26,9	365 882	373 352	2,0
-Footwear	3 604 677	175 201	182 425	4,1	303 483	310 967	2,5
Wood and wood products, paper, publishing and printing	101 715 462	7 551 259	7 264 453	-3,8	8 428 845	8 566 880	1,6
-Sawmilling and planing of wood	6 382 241	501 577	480 601	-4,2	575 756	548 242	-4,8
-Products of wood	15 749 367	1 228 451	1 039 259	-15,4	1 359 771	1 368 175	0,6
-Paper and paper products	45 633 499	3 437 343	3 427 707	-0,3	3 743 808	3 859 412	3,1
-Publishing	13 332 186	1 028 276	948 259	-7,8	1 017 308	1 088 656	7,0
-Printing, recorded media	20 618 169	1 355 612	1 368 627	1,0	1 732 202	1 702 395	-1,7
Petroleum, chemical products, rubber and plastic products	269 791 539	20 261 773	21 374 954	5,5	24 276 701	24 409 498	0,5
-Coke, petroleum products and nuclear fuel	93 661 889	7 289 913	8 422 963	15,5	8 483 626	9 137 677	7,7
-Basic chemicals	53 153 291	4 438 488	4 095 033	-7,7	4 599 160	4 573 395	-0,6
-Other chemical products	64 849 734	4 650 210	4 387 574	-5,6	5 891 176	5 327 645	-9,6
-Rubber products	12 371 122	851 042	848 213	-0,3	1 089 989	1 085 479	-0,4
-Plastic products	45 755 503	3 032 120	3 621 171	19,4	4 212 749	4 285 302	1,7
Glass and non-metallic mineral products	36 124 804	2 432 800	2 283 268	-6,1	3 276 851	2 878 283	-12,2
-Glass and glass products	6 605 208	429 681	447 551	4,2	591 950	558 837	-5,6
-Non-metallic mineral products	29 519 596	2 003 119	1 835 717	-8,4	2 684 901	2 319 446	-13,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	226 458 143	16 682 283	16 730 799	0,3	18 938 114	19 657 669	3,8
-Basic iron and steel products	77 576 581	5 380 755	6 659 268	23,8	6 825 335	7 329 341	7,4
-Non-ferrous metal products	31 889 556	2 508 242	2 288 706	-8,8	2 401 607	2 770 687	15,4
-Structural metal products	21 258 572	1 434 449	1 232 265	-14,1	1 865 927	1 670 691	-10,5
-Other fabricated metal products	38 068 027	2 803 288	2 502 810	-10,7	3 138 355	3 184 173	1,5
-General purpose machinery	22 530 421	1 717 305	1 555 956	-9,4	1 882 786	1 873 955	-0,5
-Special purpose machinery	25 790 190	2 145 427	1 852 191	-13,7	2 049 680	2 070 432	1,0
-Household appliances	9 344 796	692 817	639 603	-7,7	774 424	758 390	-2,1
Electrical machinery	37 911 273	2 612 872	2 557 040	-2,1	3 145 830	3 305 896	5,1
Radio, television and communication apparatus and professional equipment	14 337 276	941 571	888 283	-5,7	1 224 153	1 096 404	-10,4
-Radio, television and communication apparatus	6 543 934	417 989	367 808	-12,0	526 707	484 351	-8,0
-Professional equipment	7 793 342	523 582	520 475	-0,6	697 446	612 053	-12,2
Motor vehicles, parts and accessories and other transport equipment	139 650 661	9 466 132	10 917 169	15,3	13 685 374	13 724 685	0,3
-Motor vehicles	68 801 772	4 496 338	5 322 812	18,4	6 899 037	7 080 788	2,6
-Bodies for motor vehicles, trailers and semi-trailers	6 588 091	405 613	339 760	-16,2	544 046	520 354	-4,4
-Parts and accessories	47 749 947	3 347 407	4 036 915	20,6	4 748 152	4 717 652	-0,6
-Other transport equipment	16 510 851	1 216 774	1 217 682	0,1	1 494 140	1 405 891	-5,9
Furniture and other manufacturing division	56 395 436	3 431 855	4 198 988	22,4	5 743 153	4 899 659	-14,7
-Furniture	11 072 539	615 174	633 194	2,9	938 385	1 015 152	8,2
-Other manufacturing groups	45 322 897	2 816 681	3 565 794	26,6	4 804 768	3 884 507	-19,2
Total	1 161 579 922	83 315 861	85 291 056	2,4	102 719 372	100 980 250	-1,7

1/ Preliminary.

Table 9 – Annual percentage change in the quarterly 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 (R000)		
		November 2008 to January 2009	November 2009 to January 2010	Annual percentage change between November 2008 to January 2009 and November 2009 to January 2010	November 2008 to January 2009	November 2009 to January 2010	Annual percentage change between November 2008 to January 2009 and November 2009 to January 2010
Food and beverages	15,4	111,5	113,9	2,2	61 648 269	62 500 186	1,4
-Meat, fish, fruit, etc.	1,8	103,1	112,3	8,9	15 479 688	16 326 088	5,5
-Dairy products	0,8	117,6	118,7	0,9	5 375 631	5 402 801	0,5
-Grain mill products	0,8	108,1	109,2	1,0	12 188 952	10 921 485	-10,4
-Other food products	5,2	93,9	96,6	2,9	12 993 083	13 182 488	1,5
-Beverages	6,8	126,9	127,5	0,5	15 610 915	16 667 324	6,8
Textiles, clothing, leather and footwear	4,9	89,1	78,3	-12,1	9 579 475	8 502 386	-11,2
-Textiles	0,7	73,4	56,3	-23,3	1 379 760	1 128 683	-18,2
-Other textile products	0,9	79,6	70,2	-11,8	2 395 936	2 099 145	-12,4
-Knitted, crocheted articles	0,2	91,7	88,3	-3,7	365 264	354 121	-3,1
-Wearing apparel	2,1	100,8	82,8	-17,9	3 743 435	3 051 228	-18,5
-Leather and leather products	0,6	76,4	87,8	14,9	840 635	994 619	18,3
-Footwear	0,4	93,7	90,6	-3,3	854 445	874 590	2,4
Wood and wood products, paper, publishing and printing	10,2	100,9	86,9	-13,9	26 478 630	24 138 351	-8,8
-Sawmilling and planing of wood	0,7	78,4	66,0	-15,8	1 617 850	1 500 941	-7,2
-Products of wood	1,3	90,6	82,1	-9,4	4 031 352	3 568 378	-11,5
-Paper and paper products	3,8	116,2	99,7	-14,2	12 046 321	10 924 663	-9,3
-Publishing	1,9	99,1	80,7	-18,6	3 580 202	3 156 092	-11,8
-Printing, recorded media	2,5	90,3	80,2	-11,2	5 202 905	4 988 277	-4,1
Petroleum, chemical products, rubber and plastic products	22,1	108,1	108,5	0,4	68 842 437	68 282 514	-0,8
-Coke, petroleum products and nuclear fuel	8,5	92,3	98,6	6,8	23 518 784	24 561 659	4,4
-Basic chemicals	4,5	127,5	107,3	-15,8	16 011 944	12 976 027	-19,0
-Other chemical products	5,3	113,2	106,8	-5,7	16 225 437	15 979 458	-1,5
-Rubber products	1,0	72,4	69,1	-4,6	2 900 535	2 835 888	-2,2
-Plastic products	2,7	128,4	159,0	23,8	10 185 737	11 929 482	17,1
Glass and non-metallic mineral products	4,8	96,2	89,0	-7,5	8 328 146	8 341 684	0,2
-Glass and glass products	1,0	128,2	125,2	-2,3	1 637 454	1 771 829	8,2
-Non-metallic mineral products	3,8	88,3	79,9	-9,5	6 690 692	6 569 855	-1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,9	81,6	86,3	5,8	58 979 679	53 081 919	-10,0
-Basic iron and steel products	7,7	50,3	87,2	73,4	18 685 795	18 821 686	0,7
-Non-ferrous metal products	3,4	97,4	93,7	-3,8	9 577 304	7 764 060	-18,9
-Structural metal products	2,0	96,8	82,1	-15,2	5 526 304	4 451 636	-19,4
-Other fabricated metal products	3,8	107,1	91,4	-14,7	9 668 602	8 459 019	-12,5
-General purpose machinery	2,4	79,3	69,2	-12,7	5 994 914	5 377 372	-10,3
-Special purpose machinery	3,1	100,5	85,2	-15,2	7 236 017	6 095 103	-15,8
-Household appliances	0,6	94,1	85,6	-9,0	2 290 743	2 113 043	-7,8
Electrical machinery	2,5	112,7	109,1	-3,2	8 929 588	8 622 487	-3,4
Radio, television and communication apparatus and professional equipment	1,1	95,4	87,2	-8,6	3 470 112	3 262 555	-6,0
-Radio, television and communication apparatus	0,4	110,7	88,7	-19,9	1 757 290	1 448 438	-17,6
-Professional equipment	0,7	85,8	86,3	0,6	1 712 822	1 814 117	5,9
Motor vehicles, parts and accessories and other transport equipment	10,9	68,8	81,8	18,9	36 254 288	35 630 130	-1,7
-Motor vehicles	4,9	65,2	67,0	2,8	19 954 698	18 151 037	-9,0
-Bodies for motor vehicles, trailers and semi-trailers	0,5	106,0	92,3	-12,9	1 617 651	1 424 129	-12,0
-Parts and accessories	4,7	58,7	87,4	48,9	10 662 972	11 920 702	11,8
-Other transport equipment	0,9	119,1	125,5	5,4	4 018 967	4 134 262	2,9
Furniture and other manufacturing division	5,2	100,0	94,9	-5,1	12 729 333	14 790 797	16,2
-Furniture	1,3	95,0	83,7	-11,9	2 923 869	2 650 068	-9,4
-Other manufacturing groups	3,9	101,6	98,6	-3,0	9 805 464	12 140 729	23,8
Total	100,0	95,6	95,8	0,2	295 239 957	287 153 009	-2,7

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 January 2010 was 90,5%. Improved response rate for December 2009 was 92,7%.
- 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 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 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.
- 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 - 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
-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

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

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