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# Statistical release

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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Actual estimates	December 2009	% change between December 2008 and December 2009	% change between October to December 2008 and October to December 2009	% change between January to December 2008 and January to December 2009
Physical volume of manufacturing production index (2005=100)	91,0	3,2	-4,3	-12,5
Total estimated sales of manufactured products (R million)	92 599	-0,7	-9,0	-14,5

Seasonally adjusted estimates	December 2009	% change between November and December 2009	% change between July to September 2009 and October to December 2009
Physical volume of manufacturing production index (2005=100)	102,3	3,0	3,3
Total value of sales of manufactured products (R million)	102 111	3,5	4,0

### Key findings regarding manufacturing production for the year 2009

**Manufacturing production for 2009 reflected a decrease of 12,5% compared with 2008, the first annual decrease since 2003 when manufacturing production recorded a growth rate of -2,0%. Lower production for the year 2009 was reported by nine of the ten manufacturing divisions.**

The annual decrease of 12,5% was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-18,7% and contributing -4,1 percentage points), the motor vehicles, parts and accessories and other transport equipment division (-24,4% and contributing -2,5 percentage points), the petroleum, chemical products, rubber and plastic products division (-8,9% and contributing -2,1 percentage points), the wood and wood products, paper, publishing and printing division (-15,0% and contributing -1,5 percentage points), the furniture and 'other' manufacturing division (-20,0% and contributing -1,1 percentage points) and the textiles, clothing, leather and footwear division (-14,6% and contributing -0,7 of a percentage point) (see Table 10).

### Key findings regarding manufacturing production for December 2009

#### Estimated actual production

Although the average annual growth rate in manufacturing production was negative in 2009, December 2009 reported positive annual growth (the only month in the year to have done so). The 3,2% increase in manufacturing production in December 2009 compared with December 2008 was mainly due to higher production in the motor vehicles, parts and accessories and other transport equipment division (34,6% and contributing 2,1 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (9,9% and contributing 1,8 percentage points), the petroleum, chemical products, rubber and plastic products division (5,6% and contributing 1,4 percentage points) and the food and beverages division (4,0% and contributing 0,8 of a percentage point) (see Table 4b).

#### Seasonally adjusted production

**The seasonally adjusted manufacturing production for the fourth quarter of 2009 increased by 3,3% compared with the third quarter of 2009, better than the revised 3,1% quarter-on-quarter increase in November 2009. Higher production levels were reported by seven of the ten manufacturing divisions during the fourth quarter of 2009.**

The increase was driven mainly by higher production in the motor vehicles, parts and accessories and other transport equipment division (14,4% and contributing 1,3 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (5,0% and contributing 1,0 percentage point), the petroleum, chemical products, rubber and plastic products division (3,5% and contributing 0,8 of a percentage point) and the furniture and other manufacturing division (7,6% and contributing 0,4 of a percentage point) (see Table B).

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

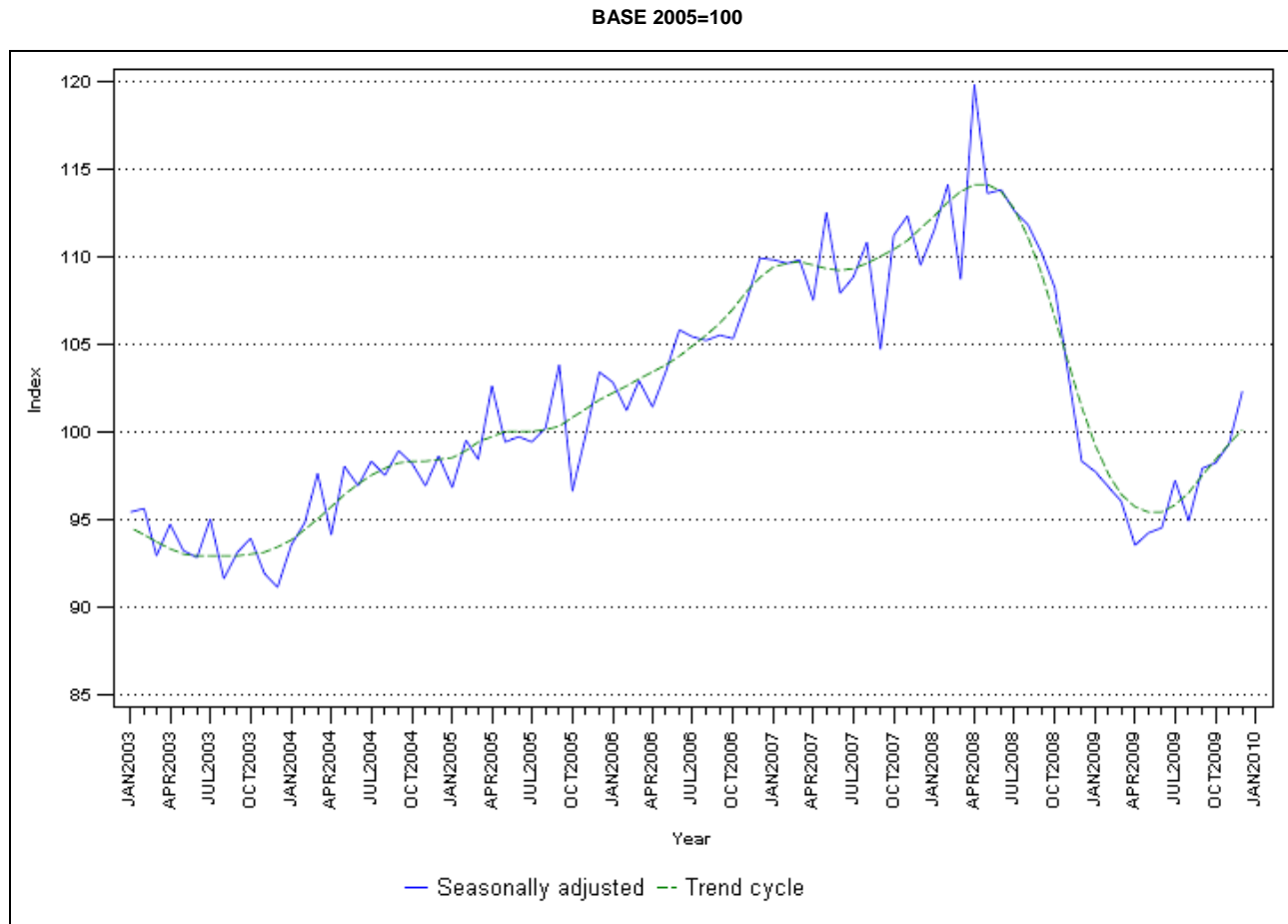
**Base 2005=100**

<b>Manufacturing divisions and major groups</b>	<b>Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2005</b>	<b>Average seasonally adjusted production index for July to September 2009</b>	<b>Average seasonally adjusted production index for October to December 2009</b>	<b>Quarterly percentage change of October to December 2009 compared with the preceding three months</b>	<b>Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production</b>  1/
<b>Food and beverages</b>	<b>15,4</b>	<b>113,8</b>	<b>113,9</b>	<b>0,1</b>	<b>0,0</b>
-Meat, fish, fruit, etc.	1,8	110,6	117,5	6,2	0,1
-Dairy products	0,8	112,4	111,4	-0,9	0,0
-Grain mill products	0,8	108,6	111,5	2,7	0,0
-Other food products	5,2	114,9	110,3	-4,0	-0,2
-Beverages	6,8	114,6	116,3	1,5	0,1
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>86,2</b>	<b>88,0</b>	<b>2,1</b>	<b>0,1</b>
-Textiles	1,6	73,3	73,0	-0,4	0,0
-Wearing apparel	2,3	91,1	93,7	2,9	0,1
-Leather and leather products	0,6	84,1	93,0	10,6	0,1
-Footwear	0,4	111,0	106,1	-4,4	0,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>90,1</b>	<b>88,8</b>	<b>-1,4</b>	<b>-0,1</b>
-Wood and products of wood	2,0	81,4	81,5	0,1	0,0
-Paper and paper products	3,8	101,0	102,5	1,5	0,1
-Publishing and printing	4,3	84,3	80,1	-5,0	-0,2
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,2</b>	<b>110,9</b>	<b>3,5</b>	<b>0,8</b>
-Coke, petroleum products and nuclear fuel	8,5	93,1	99,9	7,3	0,6
-Basic chemicals	4,5	108,6	108,0	-0,6	0,0
-Other chemical products	5,3	108,9	108,8	-0,1	0,0
-Rubber products	1,0	75,2	78,8	4,8	0,0
-Plastic products	2,7	157,5	166,0	5,4	0,2
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,7</b>	<b>97,4</b>	<b>0,7</b>	<b>0,0</b>
-Glass and glass products	1,0	119,6	124,0	3,7	0,0
-Non-metallic mineral products	3,8	91,0	90,8	-0,2	0,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>86,2</b>	<b>90,5</b>	<b>5,0</b>	<b>1,0</b>
-Basic iron and steel products	7,7	75,7	90,3	19,3	1,2
-Basic precious, non-ferrous metal products	3,4	96,2	95,1	-1,1	0,0
-Fabricated metal products	5,7	98,4	96,6	-1,8	-0,1
-Machinery and equipment	6,1	82,0	82,2	0,2	0,0
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,6</b>	<b>117,6</b>	<b>-3,3</b>	<b>-0,1</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>103,2</b>	<b>97,6</b>	<b>-5,4</b>	<b>-0,1</b>
-Radio, television and communication apparatus	0,4	108,3	94,5	-12,7	-0,1
-Professional equipment	0,7	99,9	99,5	-0,4	0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>80,6</b>	<b>92,2</b>	<b>14,4</b>	<b>1,3</b>
-Motor vehicles	4,9	61,8	72,2	16,8	0,5
-Bodies for motor vehicles, trailers and semi-trailers	0,5	102,2	114,5	12,0	0,1
-Parts and accessories	4,7	89,6	103,8	15,8	0,7
-Other transport equipment	0,9	123,2	127,5	3,5	0,0
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>89,9</b>	<b>96,7</b>	<b>7,6</b>	<b>0,4</b>
-Furniture	1,3	86,5	86,6	0,1	0,0
-Other manufacturing groups	3,9	91,0	100,0	9,9	0,4
<b>Total</b>	<b>100,0</b>	<b>96,7</b>	<b>99,9</b>	<b>3,3</b>	<b>3,3</b>

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 2003 and December 2009.

**Figure 1 – Index of the physical volume of manufacturing production: 2003 – 2009**



## Key findings regarding sales of manufactured products

*The estimated total value of sales of manufactured products at current prices for the fourth quarter of 2009 increased by 4,0% (R11 517 million), after seasonal adjustment, compared with the third quarter of 2009. Higher manufacturing sales were reported by seven of the ten manufacturing divisions during this period (see Table C).*

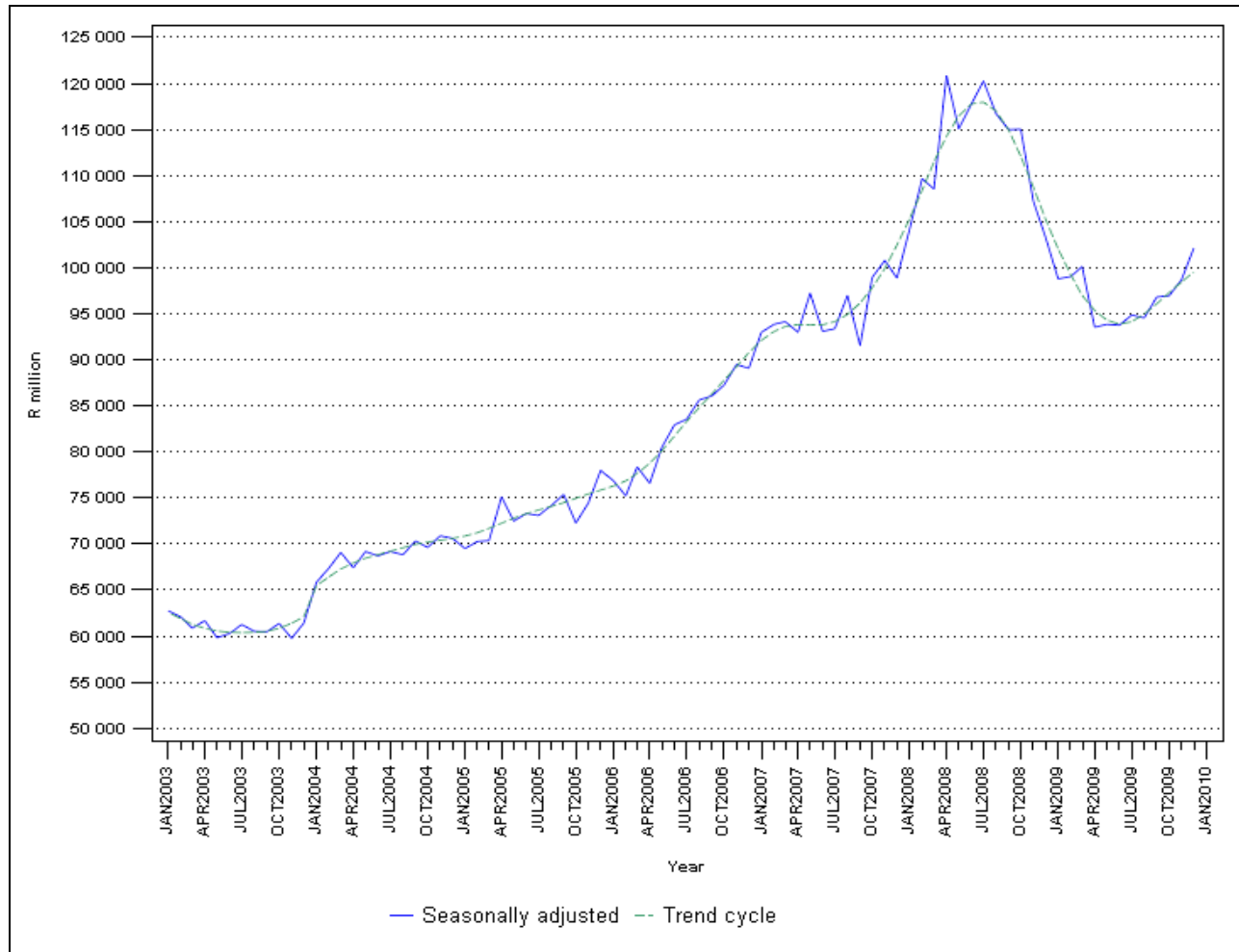
Large increases were mainly reported by the motor vehicles, parts and accessories and other transport equipment division (19,7% or R6 370 million), the furniture and other manufacturing division (10,8% or R1 491 million) and the petroleum, chemical products, rubber and plastic products division (2,4% or R1 635 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 July to September 2009	Seasonally adjusted sales October to December 2009	Percentage change between July to September 2009 and October to December 2009	Difference in seasonally adjusted sales of manufacturing divisions between July to September 2009 and October to December 2009
	R 000	R 000	%	R 000
<b>Food and beverages</b>	<b>60 479 096</b>	<b>61 272 202</b>	<b>1,3</b>	<b>793 106</b>
-Food and food products	45 860 379	46 485 273	1,4	624 894
-Beverages	14 618 716	14 786 929	1,2	168 213
<b>Textiles, clothing, leather and footwear</b>	<b>9 347 346</b>	<b>9 294 034</b>	<b>-0,6</b>	<b>-53 312</b>
-Textiles	3 669 485	3 624 296	-1,2	-45 189
-Wearing apparel	3 771 966	3 701 252	-1,9	-70 714
-Leather and leather products	996 963	1 052 473	5,6	55 510
-Footwear	908 928	916 011	0,8	7 083
<b>Wood and wood products, paper, publishing and printing</b>	<b>24 876 226</b>	<b>24 951 646</b>	<b>0,3</b>	<b>75 420</b>
-Wood and products of wood	5 409 257	5 427 181	0,3	17 924
-Paper and paper products	11 016 693	11 300 209	2,6	283 516
-Publishing and printing	8 450 276	8 224 256	-2,7	-226 020
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>67 300 373</b>	<b>68 935 190</b>	<b>2,4</b>	<b>1 634 817</b>
-Coke, petroleum products and nuclear fuel	24 207 395	24 307 546	0,4	100 151
-Basic chemicals	12 288 628	13 183 275	7,3	894 647
-Other chemical products	16 010 760	16 150 047	0,9	139 287
-Rubber products	3 043 055	3 135 997	3,1	92 942
-Plastic products	11 750 537	12 158 325	3,5	407 788
<b>Glass and non-metallic mineral products</b>	<b>8 973 288</b>	<b>9 475 645</b>	<b>5,6</b>	<b>502 357</b>
-Glass and glass products	1 588 167	1 761 660	10,9	173 493
-Non-metallic mineral products	7 385 121	7 713 985	4,5	328 864
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>56 156 250</b>	<b>57 032 658</b>	<b>1,6</b>	<b>876 408</b>
-Basic iron and steel products	19 864 127	20 756 917	4,5	892 790
-Basic precious, non-ferrous metal products	7 692 956	7 934 671	3,1	241 715
-Fabricated metal products	14 340 025	14 186 925	-1,1	-153 100
-Machinery and equipment	14 259 141	14 154 146	-0,7	-104 995
<b>Electrical machinery</b>	<b>9 269 786</b>	<b>9 258 168</b>	<b>-0,1</b>	<b>-11 618</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>3 703 780</b>	<b>3 543 026</b>	<b>-4,3</b>	<b>-160 754</b>
-Radio, television and communication apparatus	1 718 659	1 548 755	-9,9	-169 904
-Professional equipment	1 985 120	1 994 271	0,5	9 151
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>32 255 925</b>	<b>38 625 750</b>	<b>19,7</b>	<b>6 369 825</b>
-Motor vehicles, trailers, parts and accessories	28 245 480	34 435 589	21,9	6 190 109
-Other transport equipment	4 010 446	4 190 162	4,5	179 716
<b>Furniture and other manufacturing division</b>	<b>13 841 305</b>	<b>15 332 550</b>	<b>10,8</b>	<b>1 491 245</b>
-Furniture	2 713 741	2 706 354	-0,3	-7 387
-Other manufacturing groups	11 127 564	12 626 196	13,5	1 498 632
<b>Total</b>	<b>286 203 375</b>	<b>297 720 871</b>	<b>4,0</b>	<b>11 517 496</b>

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

**Figure 2 – Total estimated sales of the manufacturing industry at current prices: 2003 – 2009**



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Detailed results: Tables

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

**Base 2005 = 100**

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

1/ Preliminary.

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

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

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: 2003 – 2009**

**Base 2005 = 100**

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



**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		
			December 2008	1/ November 2009	1/ December 2009	December 2008	November 2009	December 2009
<b>Food and beverages</b>	<b>15,4</b>	<b>111,5</b>	<b>119,5</b>	<b>122,1</b>	<b>124,3</b>	<b>109,8</b>	<b>112,6</b>	<b>115,4</b>
-Meat, fish, fruit, etc.	1,8	109,3	109,1	120,0	122,7	107,3	117,9	121,0
-Dairy products	0,8	109,8	125,6	116,4	124,7	112,1	109,4	111,2
-Grain mill products	0,8	108,6	112,8	117,0	113,1	111,4	113,1	111,5
-Other food products	5,2	110,3	86,2	119,9	94,0	100,6	108,1	110,7
-Beverages	6,8	113,5	147,7	125,7	149,1	117,1	114,8	118,3
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>78,3</b>	<b>104,7</b>	<b>68,1</b>	<b>100,3</b>	<b>88,1</b>	<b>87,4</b>
-Textiles	0,7	73,7	56,0	73,9	47,3	88,7	66,7	75,2
-Other textile products	0,9	78,2	72,0	90,3	59,4	92,4	74,9	76,0
-Knitted, crocheted articles	0,2	104,0	78,8	106,6	74,5	114,3	96,7	107,7
-Wearing apparel	2,1	96,5	91,8	116,7	74,8	109,8	93,9	89,3
-Leather and leather products	0,6	83,4	64,6	101,5	75,9	81,1	94,9	95,6
-Footwear	0,4	107,0	79,3	127,6	72,0	111,6	107,6	102,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,1</b>	<b>95,8</b>	<b>100,8</b>	<b>81,3</b>	<b>105,1</b>	<b>87,9</b>	<b>89,4</b>
-Sawmilling and planing of wood	0,7	73,1	62,5	75,0	50,0	86,2	67,3	69,4
-Products of wood	1,3	88,6	76,1	99,7	74,2	98,3	85,9	96,0
-Paper and paper products	3,8	104,2	117,2	109,7	99,1	121,4	100,1	102,4
-Publishing	1,9	86,7	93,2	93,9	72,5	95,7	79,6	74,7
-Printing, recorded media	2,5	84,7	84,2	100,3	72,9	95,7	82,0	82,9
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,4</b>	<b>98,2</b>	<b>119,3</b>	<b>103,7</b>	<b>107,3</b>	<b>109,1</b>	<b>113,4</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	88,7	100,7	103,3	87,2	100,8	101,9
-Basic chemicals	4,5	107,9	112,7	115,5	97,2	125,7	101,1	109,2
-Other chemical products	5,3	109,2	103,5	124,0	98,7	116,5	108,0	111,2
-Rubber products	1,0	77,3	49,0	84,9	55,3	72,3	77,1	81,3
-Plastic products	2,7	151,7	111,1	187,3	142,7	133,8	161,7	172,3
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,8</b>	<b>86,5</b>	<b>110,3</b>	<b>86,4</b>	<b>105,1</b>	<b>97,4</b>	<b>104,9</b>
-Glass and glass products	1,0	121,6	115,8	156,5	117,0	123,6	125,7	124,6
-Non-metallic mineral products	3,8	90,6	79,2	98,7	78,7	100,5	90,3	99,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>72,0</b>	<b>97,3</b>	<b>79,1</b>	<b>83,0</b>	<b>92,4</b>	<b>90,8</b>
-Basic iron and steel products	7,7	72,0	39,0	90,6	82,2	43,2	95,0	91,9
-Non-ferrous metal products	3,4	95,4	101,8	100,6	91,6	103,1	97,2	92,7
-Structural metal products	2,0	96,6	81,8	103,0	69,1	109,1	90,1	92,5
-Other fabricated metal products	3,8	104,4	84,1	117,1	73,8	113,2	101,5	100,1
-General purpose machinery	2,4	73,2	73,8	82,4	64,6	81,9	73,1	71,6
-Special purpose machinery	3,1	88,3	98,4	92,1	83,9	104,1	85,8	88,4
-Household appliances	0,6	96,0	71,7	105,8	67,5	96,8	90,4	91,8
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>100,4</b>	<b>131,1</b>	<b>95,5</b>	<b>122,4</b>	<b>118,7</b>	<b>117,0</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>99,0</b>	<b>95,9</b>	<b>107,9</b>	<b>89,2</b>	<b>106,1</b>	<b>96,6</b>	<b>99,7</b>
-Radio, television and communication apparatus	0,4	102,7	114,3	106,4	86,4	120,8	92,5	91,5
-Professional equipment	0,7	96,6	84,3	108,9	91,0	96,8	99,1	104,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>80,0</b>	<b>48,6</b>	<b>101,0</b>	<b>65,4</b>	<b>73,4</b>	<b>90,1</b>	<b>100,3</b>
-Motor vehicles	4,9	66,1	42,0	82,0	50,6	68,9	67,6	83,1
-Bodies for motor vehicles, trailers and semi-trailers	0,5	105,1	79,4	135,7	81,2	121,3	113,6	125,3
-Parts and accessories	4,7	83,0	39,1	110,2	67,6	63,0	103,5	109,3
-Other transport equipment	0,9	124,6	114,5	136,6	122,7	124,6	128,2	132,4
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,6</b>	<b>95,9</b>	<b>110,4</b>	<b>88,4</b>	<b>110,0</b>	<b>93,9</b>	<b>101,0</b>
-Furniture	1,3	88,7	84,9	115,1	74,3	102,1	85,6	88,9
-Other manufacturing groups	3,9	96,5	99,6	108,9	93,0	112,6	96,7	105,0
<b>Total</b>	<b>100,0</b>	<b>96,8</b>	<b>88,2</b>	<b>109,4</b>	<b>91,0</b>	<b>98,3</b>	<b>99,3</b>	<b>102,3</b>

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		
			December 2008	1/ December 2009	Percentage change between December 2008 and December 2009	November 2009	December 2009	Percentage change between November and December 2009
<b>Food and beverages</b>	<b>15,4</b>	<b>111,5</b>	<b>119,5</b>	<b>124,3</b>	<b>4,0</b>	<b>112,6</b>	<b>115,4</b>	<b>2,5</b>
-Meat, fish, fruit, etc.	1,8	109,3	109,1	122,7	12,5	117,9	121,0	2,6
-Dairy products	0,8	109,8	125,6	124,7	-0,7	109,4	111,2	1,6
-Grain mill products	0,8	108,6	112,8	113,1	0,3	113,1	111,5	-1,4
-Other food products	5,2	110,3	86,2	94,0	9,0	108,1	110,7	2,4
-Beverages	6,8	113,5	147,7	149,1	0,9	114,8	118,3	3,0
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>89,5</b>	<b>78,3</b>	<b>68,1</b>	<b>-13,0</b>	<b>88,1</b>	<b>87,4</b>	<b>-0,8</b>
-Textiles	0,7	73,7	56,0	47,3	-15,5	66,7	75,2	12,7
-Other textile products	0,9	78,2	72,0	59,4	-17,5	74,9	76,0	1,5
-Knitted, crocheted articles	0,2	104,0	78,8	74,5	-5,5	96,7	107,7	11,4
-Wearing apparel	2,1	96,5	91,8	74,8	-18,5	93,9	89,3	-4,9
-Leather and leather products	0,6	83,4	64,6	75,9	17,5	94,9	95,6	0,7
-Footwear	0,4	107,0	79,3	72,0	-9,2	107,6	102,1	-5,1
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>92,1</b>	<b>95,8</b>	<b>81,3</b>	<b>-15,1</b>	<b>87,9</b>	<b>89,4</b>	<b>1,7</b>
-Sawmilling and planing of wood	0,7	73,1	62,5	50,0	-20,0	67,3	69,4	3,1
-Products of wood	1,3	88,6	76,1	74,2	-2,5	85,9	96,0	11,8
-Paper and paper products	3,8	104,2	117,2	99,1	-15,4	100,1	102,4	2,3
-Publishing	1,9	86,7	93,2	72,5	-22,2	79,6	74,7	-6,2
-Printing, recorded media	2,5	84,7	84,2	72,9	-13,4	82,0	82,9	1,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>107,4</b>	<b>98,2</b>	<b>103,7</b>	<b>5,6</b>	<b>109,1</b>	<b>113,4</b>	<b>3,9</b>
-Coke, petroleum products and nuclear fuel	8,5	95,3	88,7	103,3	16,5	100,8	101,9	1,1
-Basic chemicals	4,5	107,9	112,7	97,2	-13,8	101,1	109,2	8,0
-Other chemical products	5,3	109,2	103,5	98,7	-4,6	108,0	111,2	3,0
-Rubber products	1,0	77,3	49,0	55,3	12,9	77,1	81,3	5,4
-Plastic products	2,7	151,7	111,1	142,7	28,4	161,7	172,3	6,6
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>96,8</b>	<b>86,5</b>	<b>86,4</b>	<b>-0,1</b>	<b>97,4</b>	<b>104,9</b>	<b>7,7</b>
-Glass and glass products	1,0	121,6	115,8	117,0	1,0	125,7	124,6	-0,9
-Non-metallic mineral products	3,8	90,6	79,2	78,7	-0,6	90,3	99,9	10,6
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>85,9</b>	<b>72,0</b>	<b>79,1</b>	<b>9,9</b>	<b>92,4</b>	<b>90,8</b>	<b>-1,7</b>
-Basic iron and steel products	7,7	72,0	39,0	82,2	110,8	95,0	91,9	-3,3
-Non-ferrous metal products	3,4	95,4	101,8	91,6	-10,0	97,2	92,7	-4,6
-Structural metal products	2,0	96,6	81,8	69,1	-15,5	90,1	92,5	2,7
-Other fabricated metal products	3,8	104,4	84,1	73,8	-12,2	101,5	100,1	-1,4
-General purpose machinery	2,4	73,2	73,8	64,6	-12,5	73,1	71,6	-2,1
-Special purpose machinery	3,1	88,3	98,4	83,9	-14,7	85,8	88,4	3,0
-Household appliances	0,6	96,0	71,7	67,5	-5,9	90,4	91,8	1,5
<b>Electrical machinery</b>	<b>2,5</b>	<b>121,2</b>	<b>100,4</b>	<b>95,5</b>	<b>-4,9</b>	<b>118,7</b>	<b>117,0</b>	<b>-1,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>99,0</b>	<b>95,9</b>	<b>89,2</b>	<b>-7,0</b>	<b>96,6</b>	<b>99,7</b>	<b>3,2</b>
-Radio, television and communication apparatus	0,4	102,7	114,3	86,4	-24,4	92,5	91,5	-1,1
-Professional equipment	0,7	96,6	84,3	91,0	7,9	99,1	104,9	5,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>80,0</b>	<b>48,6</b>	<b>65,4</b>	<b>34,6</b>	<b>90,1</b>	<b>100,3</b>	<b>11,3</b>
-Motor vehicles	4,9	66,1	42,0	50,6	20,5	67,6	83,1	22,9
-Bodies for motor vehicles, trailers and semi-trailers	0,5	105,1	79,4	81,2	2,3	113,6	125,3	10,3
-Parts and accessories	4,7	83,0	39,1	67,6	72,9	103,5	109,3	5,6
-Other transport equipment	0,9	124,6	114,5	122,7	7,2	128,2	132,4	3,3
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>94,6</b>	<b>95,9</b>	<b>88,4</b>	<b>-7,8</b>	<b>93,9</b>	<b>101,0</b>	<b>7,6</b>
-Furniture	1,3	88,7	84,9	74,3	-12,5	85,6	88,9	3,9
-Other manufacturing groups	3,9	96,5	99,6	93,0	-6,6	96,7	105,0	8,6
<b>Total</b>	<b>100,0</b>	<b>96,8</b>	<b>88,2</b>	<b>91,0</b>	<b>3,2</b>	<b>99,3</b>	<b>102,3</b>	<b>3,0</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R000): 2003 – 2009**

Month	2003	2004	2005	2006	2007	2008	2009
Jan	55 009 733	55 702 288	58 705 257	64 904 290	78 599 468	88 223 092	83 315 861
Feb	62 776 744	65 027 262	67 592 645	72 163 648	89 769 884	104 338 982	94 452 035
Mar	65 353 365	70 936 530	72 099 488	80 114 612	96 207 130	110 254 490	101 729 244
Apr	61 106 613	63 759 248	70 718 822	71 780 033	86 839 371	112 640 753	87 148 078
May	62 771 090	69 557 193	72 750 078	80 692 987	97 573 896	115 671 466	93 686 610
Jun	63 469 656	69 338 797	74 062 607	84 011 510	94 620 631	120 138 492	95 271 113
Jul	63 959 307	69 855 977	74 136 551	85 136 537	95 460 248	123 799 542	97 023 688
Aug	63 943 780	70 632 321	76 550 034	88 805 047	100 791 378	121 886 864	98 084 036
Sep	65 542 853	73 800 845	79 380 270	90 800 328	96 560 089	121 355 165	101 809 619
Oct	70 264 798	76 370 559	79 431 755	96 059 766	109 274 819	127 291 387	1/ 107 197 685
Nov	68 981 595	78 717 134	82 992 688	99 301 579	111 717 168	118 691 642	1/ 108 923 276
Dec	58 390 098	64 304 382	70 482 179	79 607 355	88 372 560	93 232 454	1/ 92 598 981
Year	<b>761 569 632</b>	<b>828 002 536</b>	<b>878 902 374</b>	<b>993 377 692</b>	<b>1 145 786 642</b>	<b>1 357 524 329</b>	<b>1 161 240 226</b>

1/ Preliminary.

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

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

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): 2003 – 2009**

Month	2003	2004	2005	2006	2007	2008	2009
Jan	65 242 453	65 835 808	69 503 482	76 871 756	92 977 180	104 153 773	98 780 011
Feb	64 778 765	67 391 099	70 272 751	75 231 602	93 840 965	109 651 692	99 032 553
Mar	63 306 029	69 064 832	70 359 132	78 365 528	94 134 632	108 530 183	100 115 070
Apr	64 699 402	67 410 071	75 101 398	76 589 954	92 974 701	120 867 754	93 526 727
May	62 358 274	69 175 672	72 479 883	80 500 394	97 216 497	115 072 714	93 841 980
Jun	62 781 506	68 704 704	73 307 562	82 934 990	93 074 679	117 727 869	93 746 556
Jul	63 669 902	69 182 304	73 085 329	83 540 760	93 376 339	120 261 498	94 851 933
Aug	62 645 622	68 829 157	74 158 263	85 630 320	96 974 476	116 712 245	94 541 570
Sep	62 693 285	70 329 675	75 368 142	86 073 490	91 563 204	114 984 563	96 809 872
Oct	64 044 359	69 612 425	72 273 326	87 245 744	98 925 195	115 025 711	96 924 388
Nov	62 079 440	70 878 699	74 456 036	89 486 779	100 792 146	107 192 111	98 685 873
Dec	63 923 359	70 606 515	77 992 980	89 059 555	98 854 485	103 291 793	102 110 610

**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		
		December 2008	1/ November 2009	1/ December 2009	December 2008	November 2009	December 2009
<b>Food and beverages</b>	<b>240 671 346</b>	<b>22 426 594</b>	<b>22 023 665</b>	<b>23 429 588</b>	<b>19 963 244</b>	<b>20 232 964</b>	<b>20 808 733</b>
-Meat, fish, fruit, etc.	63 547 219	5 609 361	5 917 936	6 027 505	5 229 420	5 577 437	5 618 257
-Dairy products	20 504 824	1 904 382	1 789 126	1 990 882	1 699 525	1 673 001	1 776 670
-Grain mill products	45 498 376	4 272 338	3 915 159	3 830 268	4 089 070	3 699 677	3 671 698
-Other food products	53 837 960	4 180 361	5 105 029	4 467 122	4 305 510	4 435 845	4 627 811
-Beverages	57 282 967	6 460 152	5 296 415	7 113 811	4 639 719	4 847 004	5 114 297
<b>Textiles, clothing, leather and footwear</b>	<b>38 328 676</b>	<b>2 917 448</b>	<b>3 720 837</b>	<b>2 557 074</b>	<b>3 536 293</b>	<b>3 076 922</b>	<b>3 098 919</b>
-Textiles	5 752 860	383 003	490 753	319 591	542 099	432 099	452 328
-Other textile products	9 375 763	732 698	902 725	629 258	913 909	753 915	782 441
-Knitted, crocheted articles	1 640 213	111 635	140 732	106 158	151 142	126 487	143 303
-Wearing apparel	14 093 606	1 177 288	1 389 385	963 286	1 313 708	1 097 738	1 070 492
-Leather and leather products	3 870 588	240 902	378 358	274 531	310 120	356 915	354 577
-Footwear	3 595 646	271 922	418 884	264 250	305 315	309 767	295 778
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 798 222</b>	<b>8 262 625</b>	<b>9 325 437</b>	<b>7 631 221</b>	<b>9 187 097</b>	<b>8 199 586</b>	<b>8 503 398</b>
-Sawmilling and planing of wood	6 353 504	416 481	580 524	411 079	560 862	515 122	557 768
-Products of wood	15 749 659	1 146 872	1 463 424	1 065 987	1 462 361	1 262 498	1 355 848
-Paper and paper products	45 781 629	3 975 773	3 973 161	3 671 925	4 188 094	3 648 090	3 865 065
-Publishing	13 310 666	1 119 785	1 216 279	970 034	1 153 688	1 043 682	1 001 904
-Printing, recorded media	20 602 764	1 603 714	2 092 049	1 512 196	1 822 092	1 730 194	1 722 813
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 535 689</b>	<b>20 577 295</b>	<b>25 188 359</b>	<b>21 463 351</b>	<b>22 748 357</b>	<b>22 778 644</b>	<b>23 681 180</b>
-Coke, petroleum products and nuclear fuel	93 661 889	6 936 300	8 129 986	8 008 710	7 169 635	8 044 898	8 275 982
-Basic chemicals	53 183 518	4 618 463	4 967 623	3 943 598	5 398 496	4 362 983	4 627 858
-Other chemical products	64 588 104	5 185 713	6 235 236	5 095 018	5 610 413	5 369 257	5 519 482
-Rubber products	12 357 007	828 883	1 141 589	831 971	1 062 199	1 013 911	1 071 308
-Plastic products	45 745 171	3 007 936	4 713 925	3 584 054	3 507 615	3 987 595	4 186 549
<b>Glass and non-metallic mineral products</b>	<b>36 286 431</b>	<b>2 409 612</b>	<b>3 544 015</b>	<b>2 676 028</b>	<b>3 068 046</b>	<b>3 085 278</b>	<b>3 411 591</b>
-Glass and glass products	6 608 055	501 494	765 153	561 972	535 995	594 382	598 825
-Non-metallic mineral products	29 678 376	1 908 118	2 778 862	2 114 056	2 532 051	2 490 896	2 812 766
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 353 519</b>	<b>17 100 201</b>	<b>20 652 512</b>	<b>15 593 984</b>	<b>20 311 899</b>	<b>19 193 780</b>	<b>18 843 409</b>
-Basic iron and steel products	77 577 028	4 923 360	6 947 317	5 215 548	6 320 941	7 026 452	6 812 849
-Non-ferrous metal products	31 878 767	3 068 165	3 172 402	2 292 163	3 281 211	2 826 373	2 471 756
-Structural metal products	21 192 433	1 592 972	1 800 699	1 352 533	2 058 815	1 577 247	1 756 734
-Other fabricated metal products	38 038 951	2 570 152	3 524 637	2 402 496	3 290 961	3 036 351	3 094 647
-General purpose machinery	22 527 688	1 886 421	2 108 845	1 709 838	2 072 414	1 899 947	1 883 437
-Special purpose machinery	25 790 190	2 427 787	2 231 819	2 011 093	2 487 854	2 089 646	2 047 925
-Household appliances	9 348 462	631 344	866 793	610 313	799 704	737 765	776 061
<b>Electrical machinery</b>	<b>37 909 761</b>	<b>2 691 297</b>	<b>3 399 545</b>	<b>2 664 390</b>	<b>3 149 758</b>	<b>3 069 950</b>	<b>3 113 940</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 343 399</b>	<b>1 166 402</b>	<b>1 265 481</b>	<b>1 114 914</b>	<b>1 280 066</b>	<b>1 142 823</b>	<b>1 238 096</b>
-Radio, television and communication apparatus	6 537 272	634 791	574 207	499 761	669 010	501 887	527 569
-Professional equipment	7 806 127	531 611	691 274	615 153	611 056	640 936	710 527
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 623 319</b>	<b>11 550 761</b>	<b>14 570 268</b>	<b>10 115 351</b>	<b>15 470 052</b>	<b>13 008 280</b>	<b>13 702 135</b>
-Motor vehicles	68 801 772	7 175 299	7 540 524	5 287 701	9 353 233	6 495 681	6 876 628
-Bodies for motor vehicles, trailers and semi-trailers	6 631 471	472 586	681 487	446 262	618 037	558 647	590 393
-Parts and accessories	47 748 802	2 619 217	4 850 921	3 031 721	4 097 614	4 552 749	4 773 579
-Other transport equipment	16 441 274	1 283 659	1 497 336	1 349 667	1 401 168	1 401 204	1 461 535
<b>Furniture and other manufacturing division</b>	<b>56 389 864</b>	<b>4 130 219</b>	<b>5 233 157</b>	<b>5 353 080</b>	<b>4 576 983</b>	<b>4 897 646</b>	<b>5 709 210</b>
-Furniture	11 070 788	889 215	1 213 545	801 578	1 039 056	889 828	932 007
-Other manufacturing groups	45 319 076	3 241 004	4 019 612	4 551 502	3 537 926	4 007 817	4 777 203
<b>Total</b>	<b>1 161 240 226</b>	<b>93 232 454</b>	<b>108 923 276</b>	<b>92 598 981</b>	<b>103 291 793</b>	<b>98 685 873</b>	<b>102 110 610</b>

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		
		December 2008	1/ December 2009	Percentage change between December 2008 and December 2009	November 2009	December 2009	Percentage change between November and December 2009
<b>Food and beverages</b>	<b>240 671 346</b>	<b>22 426 594</b>	<b>23 429 588</b>	<b>4,5</b>	<b>20 232 964</b>	<b>20 808 733</b>	<b>2,8</b>
-Meat, fish, fruit, etc.	63 547 219	5 609 361	6 027 505	7,5	5 577 437	5 618 257	0,7
-Dairy products	20 504 824	1 904 382	1 990 882	4,5	1 673 001	1 776 670	6,2
-Grain mill products	45 498 376	4 272 338	3 830 268	-10,3	3 699 677	3 671 698	-0,8
-Other food products	53 837 960	4 180 361	4 467 122	6,9	4 435 845	4 627 811	4,3
-Beverages	57 282 967	6 460 152	7 113 811	10,1	4 847 004	5 114 297	5,5
<b>Textiles, clothing, leather and footwear</b>	<b>38 328 676</b>	<b>2 917 448</b>	<b>2 557 074</b>	<b>-12,4</b>	<b>3 076 922</b>	<b>3 098 919</b>	<b>0,7</b>
-Textiles	5 752 860	383 003	319 591	-16,6	432 099	452 328	4,7
-Other textile products	9 375 763	732 698	629 258	-14,1	753 915	782 441	3,8
-Knitted, crocheted articles	1 640 213	111 635	106 158	-4,9	126 487	143 303	13,3
-Wearing apparel	14 093 606	1 177 288	963 286	-18,2	1 097 738	1 070 492	-2,5
-Leather and leather products	3 870 588	240 902	274 531	14,0	356 915	354 577	-0,7
-Footwear	3 595 646	271 922	264 250	-2,8	309 767	295 778	-4,5
<b>Wood and wood products, paper, publishing and printing</b>	<b>101 798 222</b>	<b>8 262 625</b>	<b>7 631 221</b>	<b>-7,6</b>	<b>8 199 586</b>	<b>8 503 398</b>	<b>3,7</b>
-Sawmilling and planing of wood	6 353 504	416 481	411 079	-1,3	515 122	557 768	8,3
-Products of wood	15 749 659	1 146 872	1 065 987	-7,1	1 262 498	1 355 848	7,4
-Paper and paper products	45 781 629	3 975 773	3 671 925	-7,6	3 648 090	3 865 065	5,9
-Publishing	13 310 666	1 119 785	970 034	-13,4	1 043 682	1 001 904	-4,0
-Printing, recorded media	20 602 764	1 603 714	1 512 196	-5,7	1 730 194	1 722 813	-0,4
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>269 535 689</b>	<b>20 577 295</b>	<b>21 463 351</b>	<b>4,3</b>	<b>22 778 644</b>	<b>23 681 180</b>	<b>4,0</b>
-Coke, petroleum products and nuclear fuel	93 661 889	6 936 300	8 008 710	15,5	8 044 898	8 275 982	2,9
-Basic chemicals	53 183 518	4 618 463	3 943 598	-14,6	4 362 983	4 627 858	6,1
-Other chemical products	64 588 104	5 185 713	5 095 018	-1,7	5 369 257	5 519 482	2,8
-Rubber products	12 357 007	828 883	831 971	0,4	1 013 911	1 071 308	5,7
-Plastic products	45 745 171	3 007 936	3 584 054	19,2	3 987 595	4 186 549	5,0
<b>Glass and non-metallic mineral products</b>	<b>36 286 431</b>	<b>2 409 612</b>	<b>2 676 028</b>	<b>11,1</b>	<b>3 085 278</b>	<b>3 411 591</b>	<b>10,6</b>
-Glass and glass products	6 608 055	501 494	561 972	12,1	594 382	598 825	0,7
-Non-metallic mineral products	29 678 376	1 908 118	2 114 056	10,8	2 490 896	2 812 766	12,9
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>226 353 519</b>	<b>17 100 201</b>	<b>15 593 984</b>	<b>-8,8</b>	<b>19 193 780</b>	<b>18 843 409</b>	<b>-1,8</b>
-Basic iron and steel products	77 577 028	4 923 360	5 215 548	5,9	7 026 452	6 812 849	-3,0
-Non-ferrous metal products	31 878 767	3 068 165	2 292 163	-25,3	2 826 373	2 471 756	-12,5
-Structural metal products	21 192 433	1 592 972	1 352 533	-15,1	1 577 247	1 756 734	11,4
-Other fabricated metal products	38 038 951	2 570 152	2 402 496	-6,5	3 036 351	3 094 647	1,9
-General purpose machinery	22 527 688	1 886 421	1 709 838	-9,4	1 899 947	1 883 437	-0,9
-Special purpose machinery	25 790 190	2 427 787	2 011 093	-17,2	2 089 646	2 047 925	-2,0
-Household appliances	9 348 462	631 344	610 313	-3,3	737 765	776 061	5,2
<b>Electrical machinery</b>	<b>37 909 761</b>	<b>2 691 297</b>	<b>2 664 390</b>	<b>-1,0</b>	<b>3 069 950</b>	<b>3 113 940</b>	<b>1,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>14 343 399</b>	<b>1 166 402</b>	<b>1 114 914</b>	<b>-4,4</b>	<b>1 142 823</b>	<b>1 238 096</b>	<b>8,3</b>
-Radio, television and communication apparatus	6 537 272	634 791	499 761	-21,3	501 887	527 569	5,1
-Professional equipment	7 806 127	531 611	615 153	15,7	640 936	710 527	10,9
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>139 623 319</b>	<b>11 550 761</b>	<b>10 115 351</b>	<b>-12,4</b>	<b>13 008 280</b>	<b>13 702 135</b>	<b>5,3</b>
-Motor vehicles	68 801 772	7 175 299	5 287 701	-26,3	6 495 681	6 876 628	5,9
-Bodies for motor vehicles, trailers and semi-trailers	6 631 471	472 586	446 262	-5,6	558 647	590 393	5,7
-Parts and accessories	47 748 802	2 619 217	3 031 721	15,7	4 552 749	4 773 579	4,9
-Other transport equipment	16 441 274	1 283 659	1 349 667	5,1	1 401 204	1 461 535	4,3
<b>Furniture and other manufacturing division</b>	<b>56 389 864</b>	<b>4 130 219</b>	<b>5 353 080</b>	<b>29,6</b>	<b>4 897 646</b>	<b>5 709 210</b>	<b>16,6</b>
-Furniture	11 070 788	889 215	801 578	-9,9	889 828	932 007	4,7
-Other manufacturing groups	45 319 076	3 241 004	4 551 502	40,4	4 007 817	4 777 203	19,2
<b>Total</b>	<b>1 161 240 226</b>	<b>93 232 454</b>	<b>92 598 981</b>	<b>-0,7</b>	<b>98 685 873</b>	<b>102 110 610</b>	<b>3,5</b>

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: 2008 vs 2009**

Manufacturing divisions and major groups	Weights	Production indices (base 2005=100)			Value of sales (R000)		
		October to December 2008	October to December 2009	Annual percentage change between October to December 2008 and October to December 2009	October to December 2008	October to December 2009	Annual percentage change between October to December 2008 and October to December 2009
<b>Food and beverages</b>	<b>15,4</b>	<b>121,8</b>	<b>124,2</b>	<b>2,0</b>	<b>65 913 827</b>	<b>67 271 118</b>	<b>2,1</b>
-Meat, fish, fruit, etc.	1,8	110,7	119,0	7,5	16 770 937	17 535 384	4,6
-Dairy products	0,8	123,0	122,7	-0,2	5 556 791	5 739 928	3,3
-Grain mill products	0,8	112,7	113,9	1,1	12 905 669	11 582 643	-10,3
-Other food products	5,2	109,3	115,6	5,8	13 938 885	14 856 152	6,6
-Beverages	6,8	135,3	133,5	-1,3	16 741 545	17 557 011	4,9
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>105,2</b>	<b>92,3</b>	<b>-12,3</b>	<b>11 433 127</b>	<b>9 933 350</b>	<b>-13,1</b>
-Textiles	0,7	85,3	65,4	-23,3	1 636 911	1 300 978	-20,5
-Other textile products	0,9	97,9	79,7	-18,6	2 939 218	2 428 116	-17,4
-Knitted, crocheted articles	0,2	110,6	99,5	-10,0	433 482	397 788	-8,2
-Wearing apparel	2,1	117,4	101,5	-13,5	4 389 966	3 679 269	-16,2
-Leather and leather products	0,6	83,8	91,3	8,9	955 297	1 038 367	8,7
-Footwear	0,4	120,3	114,3	-5,0	1 078 253	1 088 832	1,0
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>113,1</b>	<b>93,8</b>	<b>-17,1</b>	<b>29 590 968</b>	<b>26 123 452</b>	<b>-11,7</b>
-Sawmilling and planing of wood	0,7	89,6	68,5	-23,5	1 856 050	1 598 535	-13,9
-Products of wood	1,3	102,1	89,3	-12,5	4 525 630	3 911 841	-13,6
-Paper and paper products	3,8	126,9	107,0	-15,7	13 218 663	11 664 962	-11,8
-Publishing	1,9	109,7	84,4	-23,1	3 932 887	3 318 185	-15,6
-Printing, recorded media	2,5	106,6	90,1	-15,5	6 057 738	5 629 929	-7,1
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>116,4</b>	<b>114,9</b>	<b>-1,3</b>	<b>79 114 245</b>	<b>71 330 823</b>	<b>-9,8</b>
-Coke, petroleum products and nuclear fuel	8,5	87,2	101,3	16,2	26 468 194	24 355 891	-8,0
-Basic chemicals	4,5	154,1	116,0	-24,7	20 134 413	13 733 674	-31,8
-Other chemical products	5,3	126,0	114,5	-9,1	18 068 275	17 303 047	-4,2
-Rubber products	1,0	78,7	74,9	-4,8	3 240 135	3 100 394	-4,3
-Plastic products	2,7	139,9	170,9	22,2	11 203 228	12 837 817	14,6
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>110,1</b>	<b>99,4</b>	<b>-9,7</b>	<b>9 572 163</b>	<b>9 627 180</b>	<b>0,6</b>
-Glass and glass products	1,0	144,4	137,6	-4,7	1 869 627	2 001 038	7,0
-Non-metallic mineral products	3,8	101,5	89,8	-11,5	7 702 536	7 626 142	-1,0
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>94,0</b>	<b>91,1</b>	<b>-3,1</b>	<b>71 032 880</b>	<b>57 571 285</b>	<b>-19,0</b>
-Basic iron and steel products	7,7	63,9	87,9	37,6	24 793 404	19 848 412	-19,9
-Non-ferrous metal products	3,4	102,8	97,5	-5,2	11 273 763	8 440 833	-25,1
-Structural metal products	2,0	116,6	91,6	-21,4	6 661 604	5 029 115	-24,5
-Other fabricated metal products	3,8	124,2	100,6	-19,0	11 081 634	9 427 276	-14,9
-General purpose machinery	2,4	88,3	75,6	-14,4	6 666 428	5 874 612	-11,9
-Special purpose machinery	3,1	110,0	92,2	-16,2	7 960 184	6 631 126	-16,7
-Household appliances	0,6	104,6	92,0	-12,0	2 595 863	2 319 911	-10,6
<b>Electrical machinery</b>	<b>2,5</b>	<b>126,5</b>	<b>119,5</b>	<b>-5,5</b>	<b>10 077 537</b>	<b>9 414 886</b>	<b>-6,6</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>110,2</b>	<b>99,9</b>	<b>-9,3</b>	<b>3 915 806</b>	<b>3 600 002</b>	<b>-8,1</b>
-Radio, television and communication apparatus	0,4	124,4	100,7	-19,1	2 038 108	1 635 387	-19,8
-Professional equipment	0,7	101,2	99,4	-1,8	1 877 698	1 964 615	4,6
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>87,2</b>	<b>89,6</b>	<b>2,8</b>	<b>43 574 806</b>	<b>38 241 424</b>	<b>-12,2</b>
-Motor vehicles	4,9	87,6	72,7	-17,0	24 180 409	19 501 598	-19,3
-Bodies for motor vehicles, trailers and semi-trailers	0,5	139,0	113,8	-18,1	2 098 276	1 750 630	-16,6
-Parts and accessories	4,7	74,3	97,1	30,7	13 081 463	12 768 171	-2,4
-Other transport equipment	0,9	123,5	128,2	3,8	4 214 658	4 221 025	0,2
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>119,5</b>	<b>102,4</b>	<b>-14,3</b>	<b>14 990 124</b>	<b>15 606 422</b>	<b>4,1</b>
-Furniture	1,3	119,9	99,7	-16,8	3 684 975	3 170 060	-14,0
-Other manufacturing groups	3,9	119,3	103,3	-13,4	11 305 149	12 436 362	10,0
<b>Total</b>	<b>100,0</b>	<b>108,1</b>	<b>103,4</b>	<b>-4,3</b>	<b>339 215 483</b>	<b>308 719 942</b>	<b>-9,0</b>



**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: 2008 vs 2009**

Manufacturing divisions and major groups	Weights 2005	Indices (base 2005=100)				Value of sales (R million)			
		Jan to Dec. 2008	Jan. to Dec. 2009	Annual percentage change between 2008 and 2009	Contribution (percentage points)	Jan. to Dec. 2008	Jan. to Dec. 2009	Annual percentage change between 2008 and 2009	Difference in sales between 2008 and 2009
<b>Food and beverages</b>	<b>15,4</b>	<b>109,6</b>	<b>111,5</b>	<b>1,7</b>	<b>0,3</b>	<b>230 362</b>	<b>240 671</b>	<b>4,5</b>	<b>10 309</b>
-Meat, fish, fruit, etc.	1,8	108,7	109,3	0,6	0,0	60 082	63 547	5,8	3 465
-Dairy products	0,8	110,9	109,8	-1,0	0,0	19 901	20 505	3,0	604
-Grain mill products	0,8	108,6	108,6	0,0	0,0	46 998	45 498	-3,2	-1 500
-Other food products	5,2	105,3	110,3	4,7	0,2	49 553	53 838	8,6	4 285
-Beverages	6,8	113,1	113,5	0,4	0,0	53 828	57 283	6,4	3 455
<b>Textiles, clothing, leather and footwear</b>	<b>4,9</b>	<b>104,8</b>	<b>89,5</b>	<b>-14,6</b>	<b>-0,7</b>	<b>43 746</b>	<b>38 329</b>	<b>-12,4</b>	<b>-5 417</b>
-Textiles	0,7	90,5	73,7	-18,6	-0,1	6 481	5 753	-11,2	-728
-Other textile products	0,9	99,6	78,2	-21,5	-0,2	11 665	9 376	-19,6	-2 289
-Knitted, crocheted articles	0,2	112,1	104,0	-7,2	0,0	1 769	1 640	-7,3	-129
-Wearing apparel	2,1	110,5	96,5	-12,7	-0,3	15 973	14 094	-11,8	-1 879
-Leather and leather products	0,6	101,3	83,4	-17,7	-0,1	4 319	3 871	-10,4	-448
-Footwear	0,4	111,6	107,0	-4,1	0,0	3 538	3 596	1,6	58
<b>Wood and wood products, paper, publishing and printing</b>	<b>10,2</b>	<b>108,3</b>	<b>92,1</b>	<b>-15,0</b>	<b>-1,5</b>	<b>110 138</b>	<b>101 798</b>	<b>-7,6</b>	<b>-8 340</b>
-Sawmilling and planing of wood	0,7	95,7	73,1	-23,6	-0,1	7 896	6 354	-19,5	-1 542
-Products of wood	1,3	103,5	88,6	-14,4	-0,2	17 742	15 750	-11,2	-1 992
-Paper and paper products	3,8	121,8	104,2	-14,4	-0,6	48 952	45 782	-6,5	-3 170
-Publishing	1,9	105,9	86,7	-18,1	-0,3	14 593	13 311	-8,8	-1 282
-Printing, recorded media	2,5	95,5	84,7	-11,3	-0,2	20 955	20 603	-1,7	-352
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,1</b>	<b>117,9</b>	<b>107,4</b>	<b>-8,9</b>	<b>-2,1</b>	<b>316 559</b>	<b>269 536</b>	<b>-14,9</b>	<b>-47 023</b>
-Coke, petroleum products and nuclear fuel	8,5	95,8	95,3	-0,5	0,0	125 108	93 662	-25,1	-31 446
-Basic chemicals	4,5	152,5	107,9	-29,2	-1,8	74 182	53 184	-28,3	-20 998
-Other chemical products	5,3	119,2	109,2	-8,4	-0,5	64 081	64 588	0,8	507
-Rubber products	1,0	91,0	77,3	-15,1	-0,1	13 080	12 357	-5,5	-723
-Plastic products	2,7	137,3	151,7	10,5	0,4	40 108	45 745	14,1	5 637
<b>Glass and non-metallic mineral products</b>	<b>4,8</b>	<b>110,4</b>	<b>96,8</b>	<b>-12,3</b>	<b>-0,6</b>	<b>37 229</b>	<b>36 286</b>	<b>-2,5</b>	<b>-943</b>
-Glass and glass products	1,0	123,1	121,6	-1,2	0,0	6 212	6 608	6,4	396
-Non-metallic mineral products	3,8	107,2	90,6	-15,5	-0,6	31 017	29 678	-4,3	-1 339
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,9</b>	<b>105,6</b>	<b>85,9</b>	<b>-18,7</b>	<b>-4,1</b>	<b>310 429</b>	<b>226 354</b>	<b>-27,1</b>	<b>-84 075</b>
-Basic iron and steel products	7,7	94,8	72,0	-24,1	-1,6	131 487	77 577	-41,0	-53 910
-Non-ferrous metal products	3,4	102,8	95,4	-7,2	-0,2	43 380	31 879	-26,5	-11 501
-Structural metal products	2,0	124,2	96,6	-22,2	-0,5	26 244	21 192	-19,3	-5 052
-Other fabricated metal products	3,8	125,8	104,4	-17,0	-0,7	42 386	38 039	-10,3	-4 347
-General purpose machinery	2,4	93,4	73,2	-21,6	-0,4	26 167	22 528	-13,9	-3 639
-Special purpose machinery	3,1	108,8	88,3	-18,8	-0,6	30 901	25 790	-16,5	-5 111
-Household appliances	0,6	104,4	96,0	-8,0	0,0	9 865	9 348	-5,2	-517
<b>Electrical machinery</b>	<b>2,5</b>	<b>124,9</b>	<b>121,2</b>	<b>-3,0</b>	<b>-0,1</b>	<b>41 189</b>	<b>37 910</b>	<b>-8,0</b>	<b>-3 279</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,1</b>	<b>106,0</b>	<b>99,0</b>	<b>-6,6</b>	<b>-0,1</b>	<b>14 956</b>	<b>14 343</b>	<b>-4,1</b>	<b>-613</b>
-Radio, television and communication apparatus	0,4	117,6	102,7	-12,7	-0,1	7 503	6 537	-12,9	-966
-Professional equipment	0,7	98,6	96,6	-2,0	0,0	7 453	7 806	4,7	353
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>10,9</b>	<b>105,8</b>	<b>80,0</b>	<b>-24,4</b>	<b>-2,5</b>	<b>192 164</b>	<b>139 623</b>	<b>-27,3</b>	<b>-52 541</b>
-Motor vehicles	4,9	99,7	66,1	-33,7	-1,5	96 884	68 802	-29,0	-28 082
-Bodies for motor vehicles, trailers and semi-trailers	0,5	151,1	105,1	-30,4	-0,2	8 626	6 631	-23,1	-1 995
-Parts and accessories	4,7	105,4	83,0	-21,3	-1,0	71 341	47 749	-33,1	-23 592
-Other transport equipment	0,9	116,9	124,6	6,6	0,1	15 313	16 441	7,4	1 128
<b>Furniture and other manufacturing division</b>	<b>5,2</b>	<b>118,2</b>	<b>94,6</b>	<b>-20,0</b>	<b>-1,1</b>	<b>60 752</b>	<b>56 390</b>	<b>-7,2</b>	<b>-4 362</b>
-Furniture	1,3	106,3	88,7	-16,6	-0,2	12 491	11 071	-11,4	-1 420
-Other manufacturing groups	3,9	122,2	96,5	-21,0	-0,9	48 260	45 319	-6,1	-2 941
<b>Total</b>	<b>100,0</b>	<b>110,6</b>	<b>96,8</b>	<b>-12,5</b>	<b>-12,5</b>	<b>1 357 524</b>	<b>1 161 240</b>	<b>-14,5</b>	<b>-196 284</b>

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 December 2009 was 90,8%. Improved response rate for November 2009 was 92,0%.
- 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.



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- 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](http://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.
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- 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 of figures** 23 The figures in the tables have, where necessary, been rounded 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](http://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

<b>Enterprise</b>	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.
<b>Index of physical volume of manufacturing production</b>	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.
<b>Industry</b>	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).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"> <li>• purchases and transfers-in of materials;</li> <li>• payments to other establishments for work done;</li> <li>• other direct factory costs;</li> <li>• rent and leasing paid;</li> <li>• head office charges;</li> <li>• royalties, copyright, trade names and patent rights paid;</li> <li>• advertising;</li> <li>• insurance premiums;</li> <li>• services; and</li> <li>• secretarial and administrative fees.</li> </ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <p style="margin-left: 40px;">sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</p> <p style="margin-left: 40px;">repairs;</p> <p style="margin-left: 40px;">installation, erection and assembly;</p> <p style="margin-left: 40px;">sundry trading revenue;</p> <p style="margin-left: 40px;">sales of factored goods minus purchases of factored goods;</p> <p style="margin-left: 40px;">rent and leasing received;</p> <p style="margin-left: 40px;">royalties received;</p> <p style="margin-left: 40px;">difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</p> <p style="margin-left: 40px;">head office charges; and</p> <p style="margin-left: 40px;">other revenue.</p> <p>Output excludes excise and customs duty paid.</p>
<b>Value added</b>	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.
<b>Sales</b>	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 -

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
<b>Food and beverages</b>	<b>15,3</b>	<b>16,4</b>	<b>15,4</b>
-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
<b>Textiles, clothing, leather and footwear</b>	<b>7,8</b>	<b>5,4</b>	<b>4,9</b>
-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
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,4</b>	<b>11,0</b>	<b>10,2</b>
-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
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>19,3</b>	<b>22,5</b>	<b>22,1</b>
-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
<b>Glass and non-metallic mineral products</b>	<b>4,5</b>	<b>3,9</b>	<b>4,8</b>
-Glass and glass products	1,0	1,1	1,0
-Non-metallic mineral products	3,5	2,9	3,8
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>23,6</b>	<b>22,4</b>	<b>22,9</b>
-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
<b>Electrical machinery</b>	<b>3,4</b>	<b>2,7</b>	<b>2,5</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,5</b>	<b>1,3</b>	<b>1,1</b>
-Radio, television and communication apparatus	1,0	0,7	0,4
-Professional equipment	0,5	0,6	0,7
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>9,1</b>	<b>8,6</b>	<b>10,9</b>
-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
<b>Other manufacturing divisions</b>	<b>4,1</b>	<b>5,8</b>	<b>5,2</b>
-Furniture	1,6	1,6	1,3
-Other manufacturing groups	2,6	4,2	3,9
<b>Total</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>

## 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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