

# **Manufacturing: Production and sales**

## **Preliminary: February 2006**

**Embargoed until:  
11 April 2006  
13:00**

**Table A - Selected key figures regarding manufacturing production and sales for February 2006**

<b>Estimates</b>	<b>February 2006</b>	<b>% change between February 2005 and February 2006</b>	<b>% change between December 2004 to February 2005 and December 2005 to February 2006</b>	<b>% change between January to February 2005 and January to February 2006</b>
Physical volume of manufacturing production index (2000=100)	110,3	+3,8	+5,1	+4,7
Total value of sales of manufactured products (R million)	69 667	+7,1	+9,3	+8,9

<b>Seasonally adjusted estimates</b>	<b>February 2006</b>	<b>% change between January and February 2006</b>	<b>% change between September to November 2005 and December 2005 to February 2006</b>
Physical volume of manufacturing production index (2000=100)	115,5	-0,8	+2,0
Total value of sales of manufactured products (R million)	72 415	-2,2	+2,6

**Key findings regarding manufacturing production and sales for February 2006**

**Manufacturing production increases**

*The estimated manufacturing production for the three months ended February 2006 increased by 2,0% after seasonal adjustment, compared with the previous three months. Higher production was reported by eight of the ten manufacturing divisions.*

The major contributors to the seasonally adjusted increase of 2,0% in total manufacturing production between the three months ended February 2006 and the previous three months were the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +0,6 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division (contributing +0,5 of a percentage point), food and beverages division (contributing +0,3 of a percentage point), the furniture and ‘other’ manufacturing divisions (contributing +0,3 of a percentage point) and the petroleum, chemical products, rubber and plastic products division (contributing +0,2 of a percentage point) (see Table B).

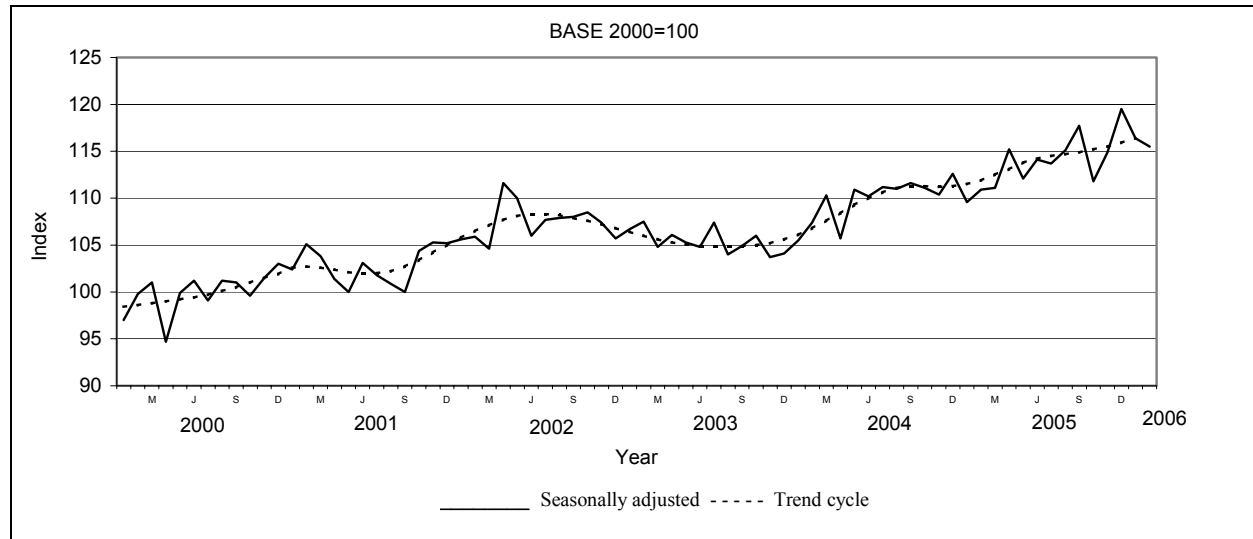
**Table B - Contribution of manufacturing divisions and major groups to total manufacturing production (Base 2000=100)**

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for September to November 2005	Average seasonally adjusted production index for December 2005 to February 2006	Quarterly percentage change of December 2005 to February 2006 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production
Food and beverages	16,4	118,9	120,9	+1,7	+0,3
Food and food products	12,1	113,5	115,1	+1,4	+0,2
Beverages	4,3	134,0	137,2	+2,4	+0,1
Textiles, clothing, leather and footwear	5,4	95,8	96,8	+1,0	+0,1
Textiles	2,4	98,1	97,5	-0,6	-0,0
Wearing apparel	2,3	97,3	98,1	+0,8	+0,0
Leather and leather products	0,3	93,6	104,9	+12,1	+0,0
Footwear	0,4	77,8	80,7	+3,7	+0,0
Wood,paper,publish and printing	11,0	110,4	111,0	+0,5	+0,1
Wood and products of wood	1,7	122,4	124,1	+1,4	+0,0
Paper and paper products	4,8	106,1	102,9	-3,0	-0,1
Publishing and printing	4,6	110,4	114,3	+3,5	+0,2
Petroleum, chemical products, rubber and plastic products	22,5	112,2	113,4	+1,1	+0,2
Coke, petroleum products and nuclear fuel	9,1	97,7	100,0	+2,4	+0,2
Basic chemicals	4,0	114,5	114,9	+0,3	+0,0
Other chemical products	5,4	125,9	127,6	+1,4	+0,1
Rubber products	1,1	89,5	86,4	-3,5	-0,0
Plastic products	3,0	137,4	137,0	-0,3	-0,0
Glass and non-metallic mineral products	3,9	127,0	130,4	+2,7	+0,1
Glass and glass products	1,1	144,0	148,5	+3,1	+0,0
Non-metallic mineral products	2,9	120,7	123,7	+2,5	+0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,9	116,8	+2,5	+0,6
Basic iron and steel products	5,5	97,5	107,1	+9,8	+0,5
Basic precious, non-ferrous metal products	4,7	113,1	120,3	+6,4	+0,3
Fabricated metal products	5,5	116,4	115,2	-1,0	-0,1
Machinery and equipment	6,7	126,3	124,1	-1,7	-0,1
Electrical machinery	2,7	98,4	98,0	-0,4	-0,0
Radio, television and communication apparatus and professional equipment	1,3	121,2	107,3	-11,5	-0,1
Radio, television and communication apparatus	0,7	99,5	82,5	-17,1	-0,1
Professional equipment	0,6	143,2	132,3	-7,6	-0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	135,5	142,8	+5,4	+0,5
Motor vehicles, trailers, parts and accessories	7,6	142,3	150,1	+5,5	+0,4
Other transport equipment	1,0	83,7	86,8	+3,7	+0,0
Furniture and other manufacturing division	5,8	110,3	116,9	+6,0	+0,3
Furniture	1,6	134,2	138,8	+3,4	+0,1
Other manufacturing groups	4,2	101,3	108,6	+7,2	+0,3
<b>Total</b>	<b>100,0</b>	<b>114,8</b>	<b>117,1</b>	<b>+2,0</b>	<b>+2,0</b>

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2000 and February 2006. The trend series has been rising since mid-2003 to September 2004, moving sideways up to December 2004 and resuming its upward trend in 2005 and 2006.

**Figure 1 – Index of the physical volume of manufacturing production**



**Sales of manufactured products increase**

*The estimated total value of sales of manufactured products at current prices for the three months ended February 2006 increased by 2,6% (+R5 495 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by eight of the ten manufacturing divisions during this period (see Table C). The value of sales of manufactured products at current prices for the three months ended February 2006 was 9,3% higher than for three months ended February 2005 (see Table D).*

The seasonally adjusted increase of 2,6% in the total value of sales of manufactured products at current prices for the three months ended February 2006 compared with the previous three months was mainly due to increases reported for the furniture and ‘other’ manufacturing divisions (+4,1% or +R425 million), petroleum, chemical products, rubber and plastic products division (+3,6% or +R 1 560 million), basic iron and steel, non-ferrous metal products, metal products and machinery division (+3,4% or +R1 444 million), motor vehicles, parts and accessories and other transport equipment division (+3,2% or +R1 170 million) and food and beverages division (+2,6% or +R1 007 million) (see Table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales September to November 2005	Seasonally adjusted sales December 2005 to February 2006	Percentage change between September to November 2005 and December 2005 to February 2006	Difference in seasonally adjusted sales of manufacturing divisions between September to November 2005 and December 2005 to February 2006
	R'000	R'000		R'000
Food and beverages	38 951 603	39 958 481	+2,6	1 006 878
Food and food products	28 910 828	29 668 948	+2,6	758 120
Beverages	10 040 774	10 289 533	+2,5	248 759
Textiles, clothing, leather and footwear	9 702 068	9 763 586	+0,6	61 518
Textiles	4 408 775	4 251 828	-3,6	-156 947
Wearing apparel	3 557 284	3 598 710	+1,2	41 426
Leather and leather products	1 079 517	1 180 876	+9,4	101 359
Footwear	656 494	732 172	+11,5	75 678
Wood,paper,publish and printing	19 690 437	19 571 486	-0,6	-118 951
Wood and products of wood	4 156 585	4 059 317	-2,3	-97 268
Paper and paper products	8 595 011	8 277 744	-3,7	-317 267
Publishing and printing	6 938 842	7 234 426	+4,3	295 584
Petroleum, chemical products, rubber and plastic products	43 154 398	44 714 109	+3,6	1 559 711
Coke, petroleum products and nuclear fuel	14 263 593	15 928 328	+11,7	1 664 735
Basic chemicals	8 886 317	8 877 358	-0,1	-8 959
Other chemical products	11 870 288	12 037 021	+1,4	166 733
Rubber products	2 120 310	1 990 256	-6,1	-130 054
Plastic products	6 013 890	5 881 146	-2,2	-132 744
Glass and non-metallic mineral products	6 746 765	6 856 493	+1,6	109 728
Glass and glass products	1 178 118	1 244 984	+5,7	66 866
Non-metallic mineral products	5 568 647	5 611 509	+0,8	42 862
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 297 445	43 741 128	+3,4	1 443 683
Basic iron and steel products	13 135 624	14 218 438	+8,2	1 082 814
Basic precious, non-ferrous metal products	6 032 935	6 112 733	+1,3	79 798
Fabricated metal products	10 586 270	10 813 006	+2,1	226 736
Machinery and equipment	12 542 617	12 596 951	+0,4	54 334
Electrical machinery	5 160 221	5 344 988	+3,6	184 767
Radio, television and communication apparatus and professional equipment	3 097 187	2 750 039	-11,2	-347 148
Radio, television and communication apparatus	1 635 029	1 407 260	-13,9	-227 769
Professional equipment	1 462 158	1 342 778	-8,2	-119 380
Motor vehicles, parts and accessories and other transport equipment	36 196 631	37 366 955	+3,2	1 170 324
Motor vehicles, trailers, parts and accessories	34 164 259	35 228 980	+3,1	1 064 721
Other transport equipment	2 032 372	2 137 975	+5,2	105 603
Furniture and other manufacturing division	10 406 518	10 831 111	+4,1	424 593
Furniture	2 606 216	2 712 676	+4,1	106 460
Other manufacturing groups	7 800 301	8 118 435	+4,1	318 134
<b>Total</b>	<b>215 403 271</b>	<b>220 898 378</b>	<b>+2,6</b>	<b>5 495 107</b>

The major contributors to the increase of 9,3% in sales of manufactured products at current prices for the three months ended February 2006 compared with the three months ended February 2005 were the motor vehicles, parts and accessories and other transport equipment (+3,1 percentage points or +R5 601 million), petroleum, chemical products, rubber and plastic products (+2,4 percentage points or +R4 468 million), food and beverages (+1,6 percentage points or +R2 890 million), wood and wood products, paper, publishing and printing (+0,7 of a percentage point or +R1 244 million), furniture and 'other manufacturing' divisions (+0,6 of a percentage point or +R1 134 million) and glass and non-metallic mineral products (+0,5 of a percentage point or +R882 million) divisions (see Table D).

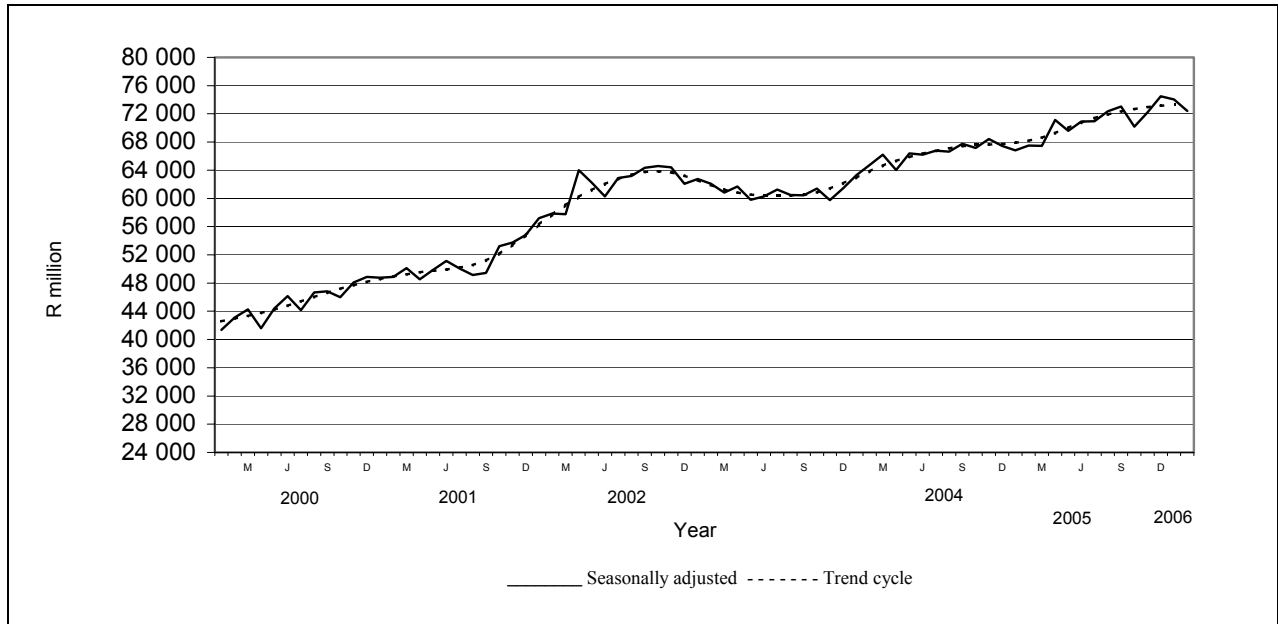
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution of sales of manufactured products December 2004	Percentage change between December 2004 and December 2005	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between December 2004 to February 2005 and December 2005 to February 2006
Food and beverages	20,0	+7,9	+1,6	2 890 269
Food and food products	14,4	+7,1	+1,0	1 884 961
Beverages	5,6	+9,8	+0,5	1 005 308
Textiles, clothing, leather and footwear	4,6	-2,9	-0,1	-240 732
Textiles	2,0	-4,7	-0,1	-171 871
Wearing apparel	1,7	-6,0	-0,1	-192 194
Leather and leather products	0,5	+6,6	+0,0	65 303
Footwear	0,3	+11,4	+0,0	58 030
Wood, paper, publish and printing	9,0	+7,5	+0,7	1 244 316
Wood and products of wood	1,7	+11,5	+0,2	356 388
Paper and paper products	4,0	+7,3	+0,3	528 590
Publishing and printing	3,4	+5,8	+0,2	359 338
Petroleum, chemical products, rubber and plastic products	19,9	+12,2	+2,4	4 467 910
Coke, petroleum products and nuclear fuel	6,7	+22,5	+1,5	2 762 822
Basic chemicals	4,0	+11,2	+0,4	820 149
Other chemical products	5,6	+6,0	+0,3	612 937
Rubber products	1,1	-11,5	-0,1	-230 930
Plastic products	2,6	+10,6	+0,3	502 932
Glass and non-metallic mineral products	2,6	+18,2	+0,5	881 602
Glass and glass products	0,5	+20,1	+0,1	180 558
Non-metallic mineral products	2,2	+17,7	+0,4	701 044
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,0	+1,4	+0,3	552 998
Basic iron and steel products	7,7	-8,2	-0,6	-1 154 420
Basic precious, non-ferrous metal products	2,8	+15,1	+0,4	763 858
Fabricated metal products	4,8	+5,0	+0,2	438 699
Machinery and equipment	5,8	+4,8	+0,3	504 861
Electrical machinery	2,3	+10,4	+0,2	433 753
Radio, television and communication apparatus and professional equipment	1,4	+3,5	+0,0	90 784
Radio, television and communication apparatus	0,7	+4,1	+0,0	55 253
Professional equipment	0,7	+2,9	+0,0	35 531
Motor vehicles, parts and accessories and other transport equipment	14,5	+21,1	+3,1	5 601 038
Motor vehicles, trailers, parts and accessories	13,3	+23,7	+3,2	5 780 353
Other transport equipment	1,1	-8,6	-0,1	-179 315
Furniture and other manufacturing division	4,6	+13,3	+0,6	1 133 737
Furniture	1,1	+8,2	+0,1	161 731
Other manufacturing groups	3,6	+14,9	+0,5	972 006
<b>Total</b>	<b>100,0</b>	<b>+9,3</b>	<b>+9,3</b>	<b>17 055 675</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2004/2005, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2000 and February 2006. After peaking in September 2002, the series declined until May 2003, before resuming its upward movement.

**Figure 2 - Total value of sales of manufactured products at current prices**



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**Notes**

<b>Forthcoming issues</b>	<b>Issue</b>	<b>Expected release date</b>
	March 2006	11 May 2006
<b>Purpose of the survey</b>	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).	
<b>Special Data Dissemination Standard of the IMF</b>	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.	
<b>Response rate</b>	The preliminary response rate for the survey on manufacturing production and sales for February 2006 was 78,9 %. Improved response rate for January 2006 was 82,6%.	

**Detailed tables**

**Table 1 - Indices of the physical volume of manufacturing production: Total**

Base 2000 = 100

Month	2000	2001	2002	2003	2004	2005	2006
Actual indices							
J	85,2	91,1	93,7	94,4	93,1	96,2	1/ 101,8
F	98,7	102,7	103,6	104,3	103,6	106,3	1/ 110,3
M	104,8	106,8	108,2	108,4	114,1	114,9	
A	89,0	95,3	104,4	100,0	100,3	109,2	
M	99,9	100,2	110,3	105,7	111,6	112,7	
J	102,1	104,0	106,7	105,3	110,5	114,3	
J	100,1	102,8	108,8	108,7	113,0	115,5	
A	102,5	102,3	109,8	106,3	113,7	118,1	
S	104,8	103,1	111,4	108,7	116,0	122,8	
O	109,8	114,9	119,6	116,7	122,5	123,4	
N	113,6	117,6	119,8	114,9	122,3	1/ 127,2	
D	89,5	92,5	92,7	91,5	99,0	1/ 104,6	
Year	100,0	102,8	107,4	105,4	110,0	113,8	
Seasonally adjusted indices							
J	97,1	102,6	105,9	107,2	105,5	109,6	116,4
F	99,8	105,1	105,9	107,7	107,4	110,9	115,5
M	100,9	103,7	104,6	104,7	110,3	111,1	
A	94,7	101,4	111,5	106,0	105,7	115,2	
M	100,0	100,0	110,0	105,2	110,9	112,1	
J	101,3	103,2	106,0	104,8	110,2	114,1	
J	99,1	101,6	107,4	107,1	111,2	113,7	
A	101,3	100,9	107,8	104,0	111,0	115,1	
S	101,0	99,9	107,9	104,9	111,6	117,7	
O	99,6	104,3	108,6	106,0	111,1	111,8	
N	101,5	105,4	107,6	103,9	110,4	114,9	
D	103,0	105,1	105,5	103,5	112,6	119,5	

1/ Preliminary.

**Table 2 - Percentage change in the index of the physical volume of manufacturing production: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	.	+6,9	+2,9	+0,7	-1,4	+3,3	+5,8
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+3,8
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	
A	.	+7,1	+9,5	-4,2	+0,3	+8,9	
M	.	+0,3	+10,1	-4,2	+5,6	+1,0	
J	.	+1,9	+2,6	-1,3	+4,9	+3,4	
J	.	+2,7	+5,8	-0,1	+4,0	+2,2	
A	.	-0,2	+7,3	-3,2	+7,0	+3,9	
S	.	-1,6	+8,1	-2,4	+6,7	+5,9	
O	.	+4,6	+4,1	-2,4	+5,0	+0,7	
N	.	+3,5	+1,9	-4,1	+6,4	+4,0	
D	.	+3,4	+0,2	-1,3	+8,2	+5,7	
Year	.	+2,8	+4,5	-1,9	+4,4	+3,5	

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

**Table 3a - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Indices				Seasonally adjusted indices		
		1/ Year 2005	1/ Year		1/ February 2006	February 2005	1/ Year	
			February	January			February	January
			2005				2006	
Food and beverages	16,4	118,9	106,2	102,4	108,5	117,0	117,9	120,5
Meat, fish, fruit etc.	2,6	127,7	125,8	112,8	115,0	126,4	122,5	115,5
Dairy products	1,1	103,3	92,5	107,9	102,6	97,8	110,2	108,6
Grain mill products	1,5	123,4	106,4	116,8	111,5	116,8	129,2	122,7
Other food products	6,8	107,5	82,3	78,8	90,3	105,3	101,9	115,8
Beverages	4,3	134,0	135,7	126,7	133,7	134,9	138,4	133,2
Textiles, clothing, leather and footwear	5,4	97,8	101,9	69,6	98,3	101,1	96,3	97,7
Textiles	1,2	81,3	86,2	57,8	88,3	85,0	81,7	87,0
Other textile products	1,2	116,3	130,6	86,2	112,1	131,2	115,2	112,6
Knitted, crocheted articles	0,3	77,3	84,2	56,7	82,1	82,7	79,1	80,8
Wearing apparel	2,0	104,0	103,9	69,4	102,5	101,4	99,5	100,3
Leather and leather products	0,3	100,0	104,4	93,7	100,4	105,7	104,1	101,9
Footwear	0,4	79,6	71,3	50,3	80,6	74,8	78,7	84,6
Wood and wood products, paper, publishing and printing	11,0	108,9	101,6	97,5	107,5	106,2	108,3	112,7
Sawmilling and planing of wood	0,7	112,9	113,3	115,2	128,1	110,6	138,6	125,2
Products of wood	1,0	124,6	118,0	96,9	115,7	120,3	119,1	117,9
Paper and paper products	4,8	103,9	91,1	95,1	100,0	96,7	97,7	106,5
Publishing	2,4	107,3	100,9	102,2	118,4	106,2	116,2	124,8
Printing, recorded media	2,1	113,1	114,3	91,9	101,3	119,6	107,9	106,1
Petroleum, chemical products, rubber and plastic products	22,5	113,2	102,2	103,7	107,0	107,4	111,3	112,8
Coke, petroleum products, and nuclear fuel	9,1	103,1	91,5	101,7	94,5	98,8	98,0	102,0
Basic chemicals	4,0	113,5	93,2	106,2	104,4	101,2	115,4	114,0
Other chemical products	5,4	125,6	115,3	106,8	118,2	119,9	123,0	123,5
Rubber products	1,1	93,6	110,2	68,3	97,8	100,8	78,6	90,2
Plastic products	3,0	128,6	120,5	114,5	131,9	121,9	138,2	133,8
Glass and non-metallic mineral products	3,9	122,8	108,8	109,0	114,1	118,3	132,3	124,0
Glass and glass products	1,1	137,7	124,3	129,7	146,3	129,2	152,0	152,4
Non-metallic mineral products	2,9	117,2	103,0	101,3	102,1	114,2	125,0	113,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,3	107,3	106,4	108,7	111,6	118,7	113,5
Basic iron and steel products	5,5	103,7	104,8	110,1	99,8	109,6	110,3	104,6
Non-ferrous metal products	4,7	109,8	99,3	116,5	109,7	103,8	121,0	115,0
Structural metal products	1,3	115,9	105,1	92,1	110,4	114,9	124,7	121,7
Other fabricated metal products	4,2	112,3	108,8	91,3	113,1	107,9	111,7	112,7
General purpose machinery	2,4	114,2	110,8	88,2	97,4	116,2	106,3	103,0
Special purpose machinery	3,2	132,7	118,2	121,9	116,9	125,7	134,7	124,8
Household appliances	1,2	120,3	110,7	116,2	131,4	114,0	151,6	136,7
Electrical machinery	2,7	97,5	92,9	79,2	89,0	94,2	104,0	90,7
Radio, television and communication apparatus and professional equipment	1,3	113,2	111,3	90,6	113,1	103,5	102,2	105,5
Radio, television and communication apparatus	0,7	92,9	94,7	61,8	95,9	81,7	70,5	82,4
Professional equipment	0,6	133,8	128,1	119,8	130,5	125,6	134,2	128,9
Motor vehicles, parts and accessories and other transport equipment	8,6	128,2	123,2	121,7	144,2	122,3	144,0	143,7
Motor vehicles	4,1	129,1	118,3	121,0	143,9	119,5	147,4	146,3
Bodies for motor vehicles, trailers and semi-trailers	0,4	154,6	135,4	126,9	176,8	136,1	216,7	178,3
Parts and accessories	3,1	135,6	136,4	135,8	159,5	133,4	148,2	155,7
Other transport equipment	1,0	91,7	97,3	78,0	85,4	93,7	89,3	82,3
Other manufacturing divisions	5,8	108,1	109,7	91,3	106,8	110,1	114,0	107,6
Furniture	1,6	132,8	123,9	88,4	123,7	130,8	133,5	130,6
Other manufacturing groups	4,2	98,7	104,4	92,4	100,4	102,3	106,7	98,9
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>106,3</b>	<b>101,8</b>	<b>110,3</b>	<b>110,9</b>	<b>116,4</b>	<b>115,5</b>

1/ Preliminary.

**Table 3b - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

Manufacturing divisions and major groups	Weights	Indices				Seasonally adjusted indices		
		1/	1/		Percentage difference between February 2005 and February 2006	January 2006	February 2006	Percentage difference between January and February 2006
		Year	February 2005	February 2006				
Food and beverages	16,4	118,9	106,2	108,5	+2,2	117,9	120,5	+2,2
Meat, fish, fruit etc.	2,6	127,7	125,8	115,0	-8,6	122,5	115,5	-5,7
Dairy products	1,1	103,3	92,5	102,6	+10,9	110,2	108,6	-1,5
Grain mill products	1,5	123,4	106,4	111,5	+4,8	129,2	122,7	-5,0
Other food products	6,8	107,5	82,3	90,3	+9,7	101,9	115,8	+13,6
Beverages	4,3	134,0	135,7	133,7	-1,5	138,4	133,2	-3,8
Textiles, clothing, leather and footwear	5,4	97,8	101,9	98,3	-3,5	96,3	97,7	+1,5
Textiles	1,2	81,3	86,2	88,3	+2,4	81,7	87,0	+6,5
Other textile products	1,2	116,3	130,6	112,1	-14,2	115,2	112,6	-2,3
Knitted, crocheted articles	0,3	77,3	84,2	82,1	-2,5	79,1	80,8	+2,1
Wearing apparel	2,0	104,0	103,9	102,5	-1,3	99,5	100,3	+0,8
Leather and leather products	0,3	100,0	104,4	100,4	-3,8	104,1	101,9	-2,1
Footwear	0,4	79,6	71,3	80,6	+13,0	78,7	84,6	+7,5
Wood and wood products, paper, publishing and printing	11,0	108,9	101,6	107,5	+5,8	108,3	112,7	+4,1
Sawmilling and planing of wood	0,7	112,9	113,3	128,1	+13,1	138,6	125,2	-9,7
Products of wood	1,0	124,6	118,0	115,7	-1,9	119,1	117,9	-1,0
Paper and paper products	4,8	103,9	91,1	100,0	+9,8	97,7	106,5	+9,0
Publishing	2,4	107,3	100,9	118,4	+17,3	116,2	124,8	+7,4
Printing, recorded media	2,1	113,1	114,3	101,3	-11,4	107,9	106,1	-1,7
Petroleum, chemical products, rubber and plastic products	22,5	113,2	102,2	107,0	+4,7	111,3	112,8	+1,3
Coke, petroleum products and nuclear fuel	9,1	103,1	91,5	94,5	+3,3	98,0	102,0	+4,1
Basic chemicals	4,0	113,5	93,2	104,4	+12,0	115,4	114,0	-1,2
Other chemical products	5,4	125,6	115,3	118,2	+2,5	123,0	123,5	+0,4
Rubber products	1,1	93,6	110,2	97,8	-11,3	78,6	90,2	+14,8
Plastic products	3,0	128,6	120,5	131,9	+9,5	138,2	133,8	-3,2
Glass and non-metallic mineral products	3,9	122,8	108,8	114,1	+4,9	132,3	124,0	-6,3
Glass and glass products	1,1	137,7	124,3	146,3	+17,7	152,0	152,4	+0,3
Non-metallic mineral products	2,9	117,2	103,0	102,1	-0,9	125,0	113,5	-9,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,3	107,3	108,7	+1,3	118,7	113,5	-4,4
Basic iron and steel products	5,5	103,7	104,8	99,8	-4,8	110,3	104,6	-5,2
Non-ferrous metal products	4,7	109,8	99,3	109,7	+10,5	121,0	115,0	-5,0
Structural metal products	1,3	115,9	105,1	110,4	+5,0	124,7	121,7	-2,4
Other fabricated metal products	4,2	112,3	108,8	113,1	+4,0	111,7	112,7	+0,9
General purpose machinery	2,4	114,2	110,8	97,4	-12,1	106,3	103,0	-3,1
Special purpose machinery	3,2	132,7	118,2	116,9	-1,1	134,7	124,8	-7,3
Household appliances	1,2	120,3	110,7	131,4	+18,7	151,6	136,7	-9,8
Electrical machinery	2,7	97,5	92,9	89,0	-4,2	104,0	90,7	-12,8
Radio, television and communication apparatus and professional equipment	1,3	113,2	111,3	113,1	+1,6	102,2	105,5	+3,2
Radio, television and communication apparatus	0,7	92,9	94,7	95,9	+1,3	70,5	82,4	+16,9
Professional equipment	0,6	133,8	128,1	130,5	+1,9	134,2	128,9	-3,9
Motor vehicles, parts and accessories and other transport equipment	8,6	128,2	123,2	144,2	+17,0	144,0	143,7	-0,2
Motor vehicles	4,1	129,1	118,3	143,9	+21,6	147,4	146,3	-0,7
Bodies for motor vehicles, trailers and semi-trailers	0,4	154,6	135,4	176,8	+30,6	216,7	178,3	-17,7
Parts and accessories	3,1	135,6	136,4	159,5	+16,9	148,2	155,7	+5,1
Other transport equipment	1,0	91,7	97,3	85,4	-12,2	89,3	82,3	-7,8
Other manufacturing divisions	5,8	108,1	109,7	106,8	-2,6	114,0	107,6	-5,6
Furniture	1,6	132,8	123,9	123,7	-0,2	133,5	130,6	-2,2
Other manufacturing groups	4,2	98,7	104,4	100,4	-3,8	106,7	98,9	-7,3
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>106,3</b>	<b>110,3</b>	<b>+3,8</b>	<b>116,4</b>	<b>115,5</b>	<b>-0,8</b>

1/ Preliminary.

**Table 4 – Total of estimated sales of the manufacturing industry at current prices (R'000)**

Month	2000	2001	2002	2003	2004	2005	2006
Actual values							
J	34 427 494	41 043 695	48 213 334	52 881 892	53 577 205	56 470 478	1/ 62 606 229
F	41 984 311	47 559 661	56 319 773	60 374 141	62 575 341	65 023 085	1/ 69 667 060
M	46 246 977	52 200 984	59 926 973	62 739 099	67 969 216	69 178 438	
A	39 304 965	45 876 551	60 441 376	58 657 547	61 211 805	68 029 954	
M	44 574 471	50 181 467	62 683 501	60 262 799	66 815 480	69 947 413	
J	47 081 382	52 042 802	61 135 948	60 811 763	66 561 396	71 215 228	
J	44 015 506	49 989 523	62 877 019	61 398 195	67 177 893	71 531 776	
A	47 373 593	49 928 171	64 210 548	61 531 966	67 929 570	73 867 868	
S	48 468 742	51 099 123	66 577 439	62 900 284	70 906 521	76 576 128	
O	50 720 639	58 609 152	71 025 253	67 504 463	73 526 006	76 815 301	
N	53 508 142	59 846 533	71 503 335	66 340 128	75 806 307	1/ 80 181 440	
D	44 778 462	50 601 063	56 979 458	56 066 970	61 891 950	1/ 68 167 899	
Year	542 484 684	608 978 725	741 893 957	731 469 247	795 948 690	1/847 005 008	
Seasonally adjusted values							
J	41 380 792	48 785 210	57 211 101	62 696 499	63 303 994	66 801 125	74 010 310
F	43 143 013	48 920 702	57 898 904	62 259 370	64 737 266	67 479 589	72 415 431
M	44 275 843	50 092 724	57 721 905	60 766 330	66 205 510	67 458 555	
A	41 584 434	48 574 233	64 037 156	61 712 050	64 037 341	71 101 500	
M	44 397 431	49 869 135	62 228 991	59 804 763	66 374 044	69 570 810	
J	46 145 594	51 110 425	60 256 281	60 242 279	66 196 992	70 925 352	
J	44 122 872	50 078 137	62 845 728	61 261 000	66 774 564	70 956 849	
A	46 659 315	49 149 666	63 138 132	60 483 462	66 634 764	72 358 814	
S	46 817 589	49 394 371	64 192 465	60 361 311	67 760 093	73 034 923	
O	45 981 894	53 258 111	64 720 593	61 537 265	67 143 689	70 179 375	
N	48 092 799	53 777 924	64 460 285	59 726 250	68 416 688	72 188 973	
D	48 913 671	54 808 137	62 077 563	61 206 984	67 434 881	74 472 637	

1/ Preliminary.

**Table 5 - Percentage change in the value of sales of the manufacturing industry: Total**

Month	2000	2001	2002	2003	2004	2005	2006
J	..	+19,2	+17,5	+9,7	+1,3	+5,4	+10,9
F	..	+13,3	+18,4	+7,2	+3,6	+3,9	+7,1
M	..	+12,9	+14,8	+4,7	+8,3	+1,8	
A	..	+16,7	+31,7	-3,0	+4,4	+11,1	
M	..	+12,6	+24,9	-3,9	+10,9	+4,7	
J	..	+10,5	+17,5	-0,5	+9,5	+7,0	
J	..	+13,6	+25,8	-2,4	+9,4	+6,5	
A	..	+5,4	+28,6	-4,2	+10,4	+8,7	
S	..	+5,4	+30,3	-5,5	+12,7	+8,0	
O	..	+15,6	+21,2	-5,0	+8,9	+4,5	
N	..	+11,8	+19,5	-7,2	+14,3	+5,8	
D	..	+13,0	+12,6	-1,6	+10,4	+10,1	
Year	.	+12,3	+21,8	-1,4	+8,8	+6,4	

The 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 6a - Sales of manufactured products according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	1/		Actual values						Seasonally adjusted values					
	Year	2005	February		1/		1/		February		January		February	
			2005		2006		2005		2006		2005		2006	
			2005	2006	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Food and beverages	153 584 313	11 749 516	11 557 192	12 292 416	12 456 591	13 247 818	13 013 410							
Meat, fish, fruit etc.	35 870 560	2 600 789	2 678 398	2 747 223	2 852 253	3 080 129	3 018 882							
Dairy products	12 974 474	979 854	1 078 476	1 077 686	1 025 351	1 168 740	1 130 454							
Grain mill products	24 925 750	1 939 290	1 934 208	1 882 061	2 102 479	2 126 292	2 045 753							
Other food products	40 608 063	3 023 812	2 982 803	3 125 236	3 247 261	3 542 276	3 351 844							
Beverages	39 205 466	3 205 771	2 883 307	3 460 210	3 229 247	3 330 380	3 466 477							
Textiles, clothing, leather and footwear	38 729 665	3 239 080	2 312 848	3 230 544	3 275 287	3 238 826	3 267 928							
Textiles	6 292 712	560 530	372 805	524 479	556 795	521 285	520 793							
Other textile products	10 879 186	939 292	660 984	897 867	950 852	900 056	906 283							
Knitted, crocheted articles	1 686 732	144 213	96 574	147 536	144 524	138 504	147 688							
Wearing apparel	12 773 112	1 032 937	682 223	1 051 362	1 049 185	1 034 874	1 067 711							
Leather and leather products	4 438 623	372 836	347 190	387 413	365 016	393 732	377 992							
Footwear	2 659 300	189 272	153 072	221 887	208 915	250 375	247 462							
Wood and wood products, paper, publishing and printing	76 819 213	5 755 333	5 649 600	6 273 362	6 045 067	6 428 937	6 592 544							
Sawmilling and planing of wood	4 037 371	313 529	306 866	366 550	309 884	359 131	363 119							
Products of wood	11 895 172	865 474	752 064	961 467	906 978	968 693	1 006 851							
Paper and paper products	33 221 695	2 356 371	2 520 570	2 632 816	2 489 099	2 716 034	2 790 552							
Publishing	12 112 206	928 831	970 215	1 120 732	982 332	1 097 739	1 178 308							
Printing, recorded media	15 552 769	1 291 128	1 099 885	1 191 797	1 356 774	1 287 340	1 253 715							
Petroleum, chemical products, rubber and plastic products	170 145 588	12 618 415	13 217 660	13 671 351	13 300 484	14 952 041	14 460 747							
Coke, petroleum products, and nuclear fuel	57 696 582	4 091 995	4 964 225	4 649 024	4 412 167	5 284 779	5 024 218							
Basic chemicals	34 963 687	2 480 187	2 716 979	2 784 725	2 590 586	3 066 468	2 923 105							
Other chemical products	46 275 887	3 534 983	3 355 270	3 676 043	3 789 444	3 985 949	3 940 690							
Rubber products	8 527 041	798 672	521 885	696 021	764 364	640 835	667 489							
Plastic products	22 682 391	1 712 578	1 659 301	1 865 538	1 743 922	1 974 010	1 905 245							
Glass and non-metallic mineral products	25 695 507	1 866 680	1 840 127	2 070 952	2 025 564	2 305 848	2 249 645							
Glass and glass products	4 537 546	335 748	337 722	393 890	351 288	441 787	411 898							
Non-metallic mineral products	21 157 961	1 530 932	1 502 405	1 677 062	1 674 276	1 864 061	1 837 747							
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 021 163	13 707 947	12 626 905	13 564 096	14 492 416	15 044 766	14 396 865							
Basic iron and steel products	57 886 276	4 928 841	4 466 118	4 364 509	5 243 050	4 814 506	4 681 773							
Non-ferrous metal products	24 070 957	1 833 495	1 800 218	1 889 588	2 014 236	2 121 547	2 066 986							
Structural metal products	13 164 368	959 674	857 762	1 034 653	1 088 398	1 187 860	1 184 932							
Other fabricated metal product	28 209 891	2 245 517	1 988 148	2 355 137	2 256 986	2 434 351	2 377 256							
General purpose machinery	17 837 796	1 431 279	1 170 136	1 294 817	1 524 678	1 525 640	1 382 523							
Special purpose machinery	20 755 783	1 520 559	1 518 809	1 699 069	1 571 180	1 864 705	1 762 084							
Household appliances	10 096 092	788 582	825 714	926 323	793 887	1 096 156	941 311							
Electrical machinery	20 215 224	1 549 610	1 392 842	1 632 060	1 603 621	1 801 728	1 695 604							
Radio, television and communication apparatus and professional equipment	11 542 033	948 997	785 647	952 568	870 319	919 946	880 347							
Radio, television and communication apparatus	6 148 981	525 270	385 097	515 454	451 578	470 062	445 965							
Professional equipment	5 393 052	423 727	400 550	437 114	418 742	449 884	434 381							
Motor vehicles, parts and accessories and other transport equipment	137 821 711	10 327 193	10 379 956	12 479 300	10 209 924	12 413 406	12 381 196							
Motor vehicles	74 380 346	5 318 888	5 439 258	6 697 841	5 226 997	6 712 069	6 606 168							
Bodies for motor vehicles, trailers and semi-trailers	6 132 714	424 006	356 146	525 147	442 244	521 219	552 415							
Parts and accessories	48 612 826	3 832 190	3 956 763	4 568 457	3 794 522	4 453 490	4 541 609							
Other transport equipment	8 695 825	752 109	627 789	687 855	746 162	726 627	681 004							
Other manufacturing divisions	40 430 591	3 260 314	2 843 452	3 500 411	3 200 315	3 656 993	3 477 144							
Furniture	10 316 926	776 586	554 011	809 467	823 473	880 394	858 288							
Other manufacturing groups	30 113 665	2 483 728	2 289 441	2 690 944	2 376 842	2 776 599	2 618 856							
<b>Total</b>	<b>847 005 008</b>	<b>65 023 085</b>	<b>62 606 229</b>	<b>69 667 060</b>	<b>67 479 589</b>	<b>74 010 310</b>	<b>72 415 431</b>							

1/ Preliminary.

**Table 6b - Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	1/ Year		Value of sales			Seasonally adjusted value of sales		
	2005		February 2005	1/ February 2006	Percentage change between February 2005 and February 2006	January 2006	February 2006	Percentage change between January and February 2006
Food and beverages	153 584 313	11 749 516	12 292 416	+4,6	13 247 818	13 013 410	-1,8	
Meat, fish, fruit etc.	35 870 560	2 600 789	2 747 223	+5,6	3 080 129	3 018 882	-2,0	
Dairy products	12 974 474	979 854	1 077 686	+10,0	1 168 740	1 130 454	-3,3	
Grain mill products	24 925 750	1 939 290	1 882 061	-3,0	2 126 292	2 045 753	-3,8	
Other food products	40 608 063	3 023 812	3 125 236	+3,4	3 542 276	3 351 844	-5,4	
Beverages	39 205 466	3 205 771	3 460 210	+7,9	3 330 380	3 466 477	+4,1	
Textiles, clothing, leather and footwear	38 729 665	3 239 080	3 230 544	-0,3	3 238 826	3 267 928	+0,9	
Textiles	6 292 712	560 530	524 479	-6,4	521 285	520 793	-0,1	
Other textile products	10 879 186	939 292	897 867	-4,4	900 056	906 283	+0,7	
Knitted, crocheted articles	1 686 732	144 213	147 536	+2,3	138 504	147 688	+6,6	
Wearing apparel	12 773 112	1 032 937	1 051 362	+1,8	1 034 874	1 067 711	+3,2	
Leather and leather products	4 438 623	372 836	387 413	+3,9	393 732	377 992	-4,0	
Footwear	2 659 300	189 272	221 887	+17,2	250 375	247 462	-1,2	
Wood and wood products, paper, publishing and printing	76 819 213	5 755 333	6 273 362	+9,0	6 428 937	6 592 544	+2,5	
Sawmilling and planing of wood	4 037 371	313 529	366 550	+16,9	359 131	363 119	+1,1	
Products of wood	11 895 172	865 474	961 467	+11,1	968 693	1 006 851	+3,9	
Paper and paper products	33 221 695	2 356 371	2 632 816	+11,7	2 716 034	2 790 552	+2,7	
Publishing	12 112 206	928 831	1 120 732	+20,7	1 097 739	1 178 308	+7,3	
Printing, recorded media	15 552 769	1 291 128	1 191 797	-7,7	1 287 340	1 253 715	-2,6	
Petroleum, chemical products, rubber and plastic products	170 145 588	12 618 415	13 671 351	+8,3	14 952 041	14 460 747	-3,3	
Coke, petroleum products and nuclear fuel	57 696 582	4 091 995	4 649 024	+13,6	5 284 779	5 024 218	-4,9	
Basic chemicals	34 963 687	2 480 187	2 784 725	+12,3	3 066 468	2 923 105	-4,7	
Other chemical products	46 275 887	3 534 983	3 676 043	+4,0	3 985 949	3 940 690	-1,1	
Rubber products	8 527 041	798 672	696 021	-12,9	640 835	667 489	+4,2	
Plastic products	22 682 391	1 712 578	1 865 538	+8,9	1 974 010	1 905 245	-3,5	
Glass and non-metallic mineral products	25 695 507	1 866 680	2 070 952	+10,9	2 305 848	2 249 645	-2,4	
Glass and glass products	4 537 546	335 748	393 890	+17,3	441 787	411 898	-6,8	
Non-metallic mineral products	21 157 961	1 530 932	1 677 062	+9,5	1 864 061	1 837 747	-1,4	
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 021 163	13 707 947	13 564 096	-1,0	15 044 766	14 396 865	-4,3	
Basic iron and steel products	57 886 276	4 928 841	4 364 509	-11,4	4 814 506	4 681 773	-2,8	
Non-ferrous metal products	24 070 957	1 833 495	1 889 588	+3,1	2 121 547	2 066 986	-2,6	
Structural metal products	13 164 368	959 674	1 034 653	+7,8	1 187 860	1 184 932	-0,2	
Other fabricated metal product	28 209 891	2 245 517	2 355 137	+4,9	2 434 351	2 377 256	-2,3	
General purpose machinery	17 837 796	1 431 279	1 294 817	-9,5	1 525 640	1 382 523	-9,4	
Special purpose machinery	20 755 783	1 520 559	1 699 069	+11,7	1 864 705	1 762 084	-5,5	
Household appliances	10 096 092	788 582	926 323	+17,5	1 096 156	941 311	-14,1	
Electrical machinery	20 215 224	1 549 610	1 632 060	+5,3	1 801 728	1 695 604	-5,9	
Radio, television and communication apparatus and professional equipment	11 542 033	948 997	952 568	+0,4	919 946	880 347	-4,3	
Radio, television and communication apparatus	6 148 981	525 270	515 454	-1,9	470 062	445 965	-5,1	
Professional equipment	5 393 052	423 727	437 114	+3,2	449 884	434 381	-3,4	
Motor vehicles, parts and accessories and other transport equipment	137 821 711	10 327 193	12 479 300	+20,8	12 413 406	12 381 196	-0,3	
Motor vehicles	74 380 346	5 318 888	6 697 841	+25,9	6 712 069	6 606 168	-1,6	
Bodies for motor vehicles, trailers and semi-trailers	6 132 714	424 006	525 147	+23,9	521 219	552 415	+6,0	
Parts and accessories	48 612 826	3 832 190	4 568 457	+19,2	4 453 490	4 541 609	+2,0	
Other transport equipment	8 695 825	752 109	687 855	-8,5	726 627	681 004	-6,3	
Other manufacturing divisions	40 430 591	3 260 314	3 500 411	+7,4	3 656 993	3 477 144	-4,9	
Furniture	10 316 926	776 586	809 467	+4,2	880 394	858 288	-2,5	
Other manufacturing groups	30 113 665	2 483 728	2 690 944	+8,3	2 776 599	2 618 856	-5,7	
<b>Total</b>	<b>847 005 008</b>	<b>65 023 085</b>	<b>69 667 060</b>	<b>+7,1</b>	<b>74 010 310</b>	<b>72 415 431</b>	<b>-2,2</b>	

1/ Preliminary.

**Table 7 - Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R'000)		
		December 2004 to February 2005	December 2005 to February 2006	Annual percentage change between December 2004 to February 2005 and December 2005 to February 2006	December 2004 to February 2005	December 2005 to February 2006	Annual percentage change between December 2004 to February 2005 and December 2005 to February 2006
Food and beverages	16,4	108,0	113,9	+5,5	36 630 689	39 520 958	+7,9
Meat, fish, fruit etc.	2,6	120,8	121,9	+0,9	8 015 849	8 928 288	+11,4
Dairy products	1,1	100,7	110,2	+9,4	3 121 206	3 411 073	+9,3
Grain mill products	1,5	112,2	121,1	+7,9	6 116 293	6 065 756	-0,8
Other food products	6,8	82,2	89,9	+9,4	9 148 172	9 881 364	+8,0
Beverages	4,3	141,3	145,3	+2,8	10 229 169	11 234 477	+9,8
Textiles, clothing, leather and footwear	5,4	84,8	80,4	-5,2	8 385 146	8 144 414	-2,9
Textiles	1,2	67,5	65,1	-3,6	1 349 402	1 251 218	-7,3
Other textile products	1,2	101,6	94,4	-7,1	2 343 419	2 269 732	-3,1
Knitted, crocheted articles	0,3	68,3	65,8	-3,7	365 638	357 577	-2,2
Wearing apparel	2,0	92,9	85,4	-8,1	2 829 851	2 645 718	-6,5
Leather and leather products	0,3	89,9	93,2	+3,7	989 068	1 054 371	+6,6
Footwear	0,4	59,9	63,8	+6,5	507 768	565 798	+11,4
Wood and wood products, paper, publishing and printing	11,0	97,0	101,8	+4,9	16 583 653	17 827 969	+7,5
Sawmilling and planing of wood	0,7	97,2	111,8	+15,0	829 948	960 640	+15,7
Products of wood	1,0	98,6	103,7	+5,2	2 274 633	2 500 329	+9,9
Paper and paper products	4,8	93,4	97,6	+4,5	7 247 265	7 775 855	+7,3
Publishing	2,4	98,3	110,5	+12,4	2 695 580	3 135 809	+16,3
Printing, recorded media	2,1	102,8	96,8	-5,8	3 536 227	3 455 336	-2,3
Petroleum, chemical products, rubber and plastic products	22,5	102,6	105,9	+3,2	36 583 585	41 051 495	+12,2
Coke, petroleum products and nuclear fuel	9,1	101,6	99,9	-1,7	12 274 675	15 037 497	+22,5
Basic chemicals	4,0	95,2	106,5	+11,9	7 315 808	8 135 957	+11,2
Other chemical products	5,4	110,1	114,5	+4,0	10 235 258	10 848 195	+6,0
Rubber products	1,1	87,9	74,4	-15,4	2 008 848	1 777 918	-11,5
Plastic products	3,0	107,9	120,0	+11,2	4 748 996	5 251 928	+10,6
Glass and non-metallic mineral products	3,9	97,4	111,0	+14,0	4 850 768	5 732 370	+18,2
Glass and glass products	1,1	111,3	134,3	+20,7	898 324	1 078 882	+20,1
Non-metallic mineral products	2,9	92,2	102,4	+11,1	3 952 444	4 653 488	+17,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	102,2	106,0	+3,7	38 585 234	39 138 232	+1,4
Basic iron and steel products	5,5	103,2	102,9	-0,3	14 161 176	13 006 756	-8,2
Non-ferrous metal products	4,7	98,3	113,8	+15,8	5 069 821	5 833 679	+15,1
Structural metal products	1,3	90,6	99,0	+9,3	2 690 892	2 823 756	+4,9
Other fabricated metal products	4,2	97,9	98,2	+0,3	6 036 553	6 342 388	+5,1
General purpose machinery	2,4	97,7	93,9	-3,9	3 868 939	3 833 661	-0,9
Special purpose machinery	3,2	121,3	118,6	-2,2	4 676 306	4 792 431	+2,5
Household appliances	1,2	98,4	118,0	+19,9	2 081 547	2 505 561	+20,4
Electrical machinery	2,7	82,8	83,5	+0,8	4 175 113	4 608 866	+10,4
Radio, television and communication apparatus and professional equipment	1,3	102,8	103,2	+0,4	2 558 908	2 649 692	+3,5
Radio, television and communication apparatus	0,7	82,8	83,8	+1,2	1 332 441	1 387 694	+4,1
Professional equipment	0,6	123,1	122,8	-0,2	1 226 467	1 261 998	+2,9
Motor vehicles, parts and accessories and other transport equipment	8,6	101,9	119,4	+17,2	26 512 720	32 113 758	+21,1
Motor vehicles	4,1	96,5	117,1	+21,3	13 445 136	17 249 613	+28,3
Bodies for motor vehicles, trailers and semi-trailers	0,4	107,0	143,8	+34,4	1 116 051	1 343 890	+20,4
Parts and accessories	3,1	112,2	132,1	+17,7	9 859 301	11 607 338	+17,7
Other transport equipment	1,0	90,2	79,4	-12,0	2 092 232	1 912 917	-8,6
Other manufacturing divisions	5,8	93,2	96,0	+3,0	8 519 697	9 653 434	+13,3
Furniture	1,6	103,4	108,7	+5,1	1 980 298	2 142 029	+8,2
Other manufacturing groups	4,2	89,5	91,2	+1,9	6 539 399	7 511 405	+14,9
<b>Total</b>	<b>100,0</b>	<b>100,5</b>	<b>105,6</b>	<b>+5,1</b>	<b>183 385 513</b>	<b>200 441 188</b>	<b>+9,3</b>



## Explanatory notes

<b>Introduction</b>	<p>1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the new business register, with significantly enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.</p> <p>2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2000. Both estimated and seasonally adjusted figures are presented.</p> <p>3 As is usual, information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.</p> <p>4 As indicated earlier, Stats SA developed a new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS), which replaced the previous business register.</p>
<b>Scope of the survey</b>	<p>5 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> <li>• the manufacturing, processing, making or packing of products;</li> <li>• the slaughtering of animals, including poultry; and</li> <li>• installation, assembly, completion, repair and related work.</li> </ul>
<b>Classification</b>	<p>6 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i>, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.</p>
<b>Statistical unit</b>	<p>7 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.</p>
<b>Weighting methodology</b>	<p>8 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 division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at <a href="http://www.statssa.gov.za/publications/publicationsearch.asp">www.statssa.gov.za/publications/publicationsearch.asp</a>.</p> <p>9 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 1996 to 2000 the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2006 the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census 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 E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2006).</p>

- Survey methodology and design**
- 10 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
  - 11 The value of sales of manufactured products is obtained monthly from the sample of approximately 3 000 enterprises, which was drawn in August 2005 from a population then of 45 130 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 division to reflect the total value of sales of the division.
  - 12 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.
  - 13 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).
- Seasonal adjustment**
- 14 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**
- 15 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates**
- 16 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.
  - 17 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**
- 18 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** 19 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** 20 The figures in the tables have, where necessary, been rounded to the nearest digit shown.

**Pre-release policy** 21 Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://www.statssa.gov.za).

**Symbols and abbreviations** 22

GDP	Gross Domestic Product
ISIC	International Standard Industrial Classification
m	Million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
Stats SA	Statistics South Africa
VAT	Value-added tax
1/	Preliminary figures
•	Revised figures

**Technical notes** 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	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	51 000 000
Large	51 000 001	

## 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 2000. 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>Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)</i> .
<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 - <ul style="list-style-type: none"><li>• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;</li><li>• repairs;</li><li>• installation, erection and assembly;</li><li>• sundry trading revenue;</li><li>• sales of factored goods minus purchases of factored goods;</li><li>• rent and leasing received;</li><li>• royalties received;</li><li>• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;</li><li>• head office charges; and</li><li>• other revenue.</li></ul> Output excludes excise and customs duty paid.
<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.
<b>Statistical unit</b>	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

For the purpose of this publication, the statistical unit in the monthly manufacturing: production and sales survey is the enterprise.

**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 ratios 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 E – Weights according to manufacturing major groups**

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2006	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	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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