

# **Manufacturing: Production and sales**

## **Preliminary: March 2006**

**Embargoed until:  
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**Table A - Selected key figures regarding manufacturing production and sales for March 2006**

<b>Estimates</b>	<b>March 2006</b>	<b>% change between March 2005 and March 2006</b>	<b>% change between January to March 2005 and January to March 2006</b>
Physical volume of manufacturing production index (2000=100)	121,5	+5,7	+5,2
Total value of sales of manufactured products (R million)	77 536	+12,1	+10,2

<b>Seasonally adjusted estimates</b>	<b>March 2006</b>	<b>% change between February and March 2006</b>	<b>% change between October to December 2005 and January to March 2006</b>
Physical volume of manufacturing production index (2000=100)	117,9	+1,7	+1,1
Total value of sales of manufactured products (R million)	75 508	+3,7	+2,6

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

**Manufacturing production increases**

*The estimated manufacturing production for the first quarter of 2006 increased by 1,1% after seasonal adjustment, compared with the fourth quarter of 2005. Higher production was reported by seven of the ten manufacturing divisions.*

The major contributors to the seasonally adjusted increase of 1,1% in total manufacturing production between the first quarter of 2006 and the fourth quarter of 2005 were the motor vehicles, parts and accessories and other transport equipment division (contributing +0,6 of a percentage point), the petroleum, chemical products, rubber and plastic products division (contributing +0,4 of a percentage point), the textiles, clothing, leather and footwear division (contributing +0,2 of a percentage point), the food and beverages division (contributing +0,1 of a percentage point), and the wood and wood products, paper, publishing and printing division (contributing +0,1 of a percentage point). However, these increases were counteracted by decreases reported by glass and non-metallic mineral products division, radio, television and communication apparatus and professional equipment division and the furniture and ‘other’ manufacturing divisions (each contributing -0,1 of a percentage point) (see Table B).

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

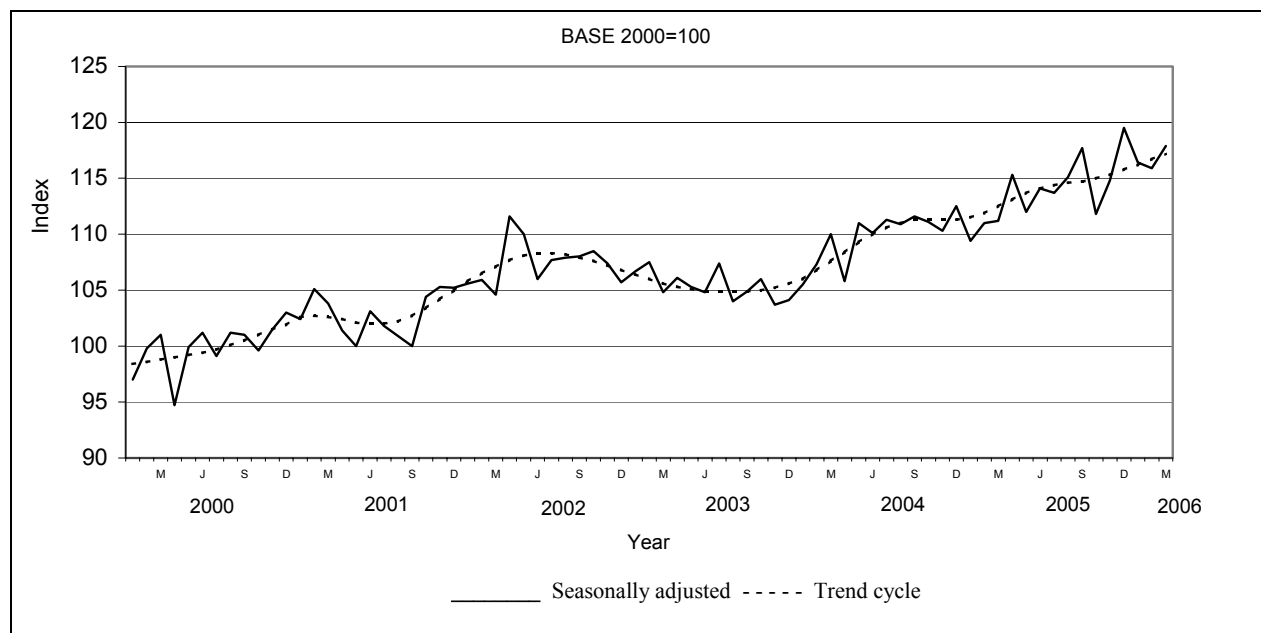
(Base 2000=100)

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 October to December 2005	Average seasonally adjusted production index for January to March 2006	Quarterly percentage change of January to March 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	119,5	120,5	+0,8	+0,1
Food and food products	12,1	113,6	115,3	+1,5	+0,2
Beverages	4,3	135,9	135,2	-0,5	-0,0
Textiles, clothing, leather and footwear	5,4	95,2	98,5	+3,5	+0,2
Textiles	2,4	94,9	98,3	+3,6	+0,1
Wearing apparel	2,3	98,5	100,3	+1,8	+0,0
Leather and leather products	0,3	97,4	102,4	+5,1	+0,0
Footwear	0,4	77,7	87,9	+13,1	+0,1
Wood, paper, publish and printing	11,0	111,1	111,8	+0,6	+0,1
Wood and products of wood	1,7	121,2	121,0	-0,2	-0,0
Paper and paper products	4,8	106,4	104,7	-1,6	-0,1
Publishing and printing	4,6	112,1	115,6	+3,1	+0,1
Petroleum, chemical products, rubber and plastic products	22,5	110,7	112,8	+1,9	+0,4
Coke, petroleum products and nuclear fuel	9,1	93,7	100,7	+7,5	+0,7
Basic chemicals	4,0	113,1	115,3	+1,9	+0,1
Other chemical products	5,4	127,4	124,9	-2,0	-0,1
Rubber products	1,1	89,9	85,6	-4,8	-0,1
Plastic products	3,0	137,3	135,0	-1,7	-0,1
Glass and non-metallic mineral products	3,9	129,3	125,9	-2,6	-0,1
Glass and glass products	1,1	142,7	143,3	+0,4	+0,0
Non-metallic mineral products	2,9	124,3	119,3	-4,0	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	115,6	115,8	+0,2	+0,0
Basic iron and steel products	5,5	101,7	106,1	+4,3	+0,2
Basic precious, non-ferrous metal products	4,7	117,0	119,0	+1,7	+0,1
Fabricated metal products	5,5	117,0	117,8	+0,7	+0,0
Machinery and equipment	6,7	125,2	120,2	-4,0	-0,3
Electrical machinery	2,7	97,8	97,9	+0,1	+0,0
Radio, television and communication apparatus and professional equipment	1,3	117,0	104,1	-11,0	-0,1
Radio, television and communication apparatus	0,7	96,7	78,7	-18,6	-0,1
Professional equipment	0,6	137,5	130,0	-5,5	-0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	135,9	145,1	+6,8	+0,6
Motor vehicles, trailers, parts and accessories	7,6	142,6	152,8	+7,2	+0,5
Other transport equipment	1,0	85,0	86,4	+1,6	+0,0
Furniture and other manufacturing division	5,8	116,1	114,4	-1,5	-0,1
Furniture	1,6	137,7	134,0	-2,7	-0,0
Other manufacturing groups	4,2	108,0	107,1	-0,8	-0,0
<b>Total</b>	<b>100,0</b>	<b>115,4</b>	<b>116,7</b>	<b>+1,1</b>	<b>+1,1</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 March 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 first quarter of 2006 increased by 2,6% (+R5 650 million), after seasonal adjustment, compared with the fourth quarter of 2005. 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 first quarter of 2006 was 10,2% higher than for the first quarter of 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 first quarter of 2006 compared with the fourth quarter of 2005 was mainly due to increases reported for petroleum, chemical products, rubber and plastic products division (+4,9% or +R 2 110 million), motor vehicles, parts and accessories and other transport equipment division (+4,8% or +R1 733 million), furniture and ‘other’ manufacturing divisions (+3,3% or +R349 million), textiles, clothing, leather and footwear division (+3,0% or +R287 million, basic iron and steel, non-ferrous metal products, metal products and machinery division (+2,1% or +R918 million) and wood and wood products, paper, publishing and printing division (+1,5% or +R285 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 October to December 2005	Seasonally adjusted sales January to March 2006	Percentage change between October to December 2005 and January to March 2006	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2005 and January to March 2006
	R'000	R'000		R'000
Food and beverages	39 555 140	39 693 743	+0,4	138 603
Food and food products	29 382 078	29 593 883	+0,7	211 805
Beverages	10 173 063	10 099 860	-0,7	-73 203
Textiles, clothing, leather and footwear	9 661 094	9 947 857	+3,0	286 763
Textiles	4 309 813	4 367 838	+1,3	58 025
Wearing apparel	3 577 798	3 649 819	+2,0	72 021
Leather and leather products	1 100 810	1 162 326	+5,6	61 516
Footwear	672 673	767 876	+14,2	95 203
Wood,paper,publish and printing	19 641 136	19 926 367	+1,5	285 231
Wood and products of wood	4 077 303	4 031 752	-1,1	-45 551
Paper and paper products	8 534 806	8 509 534	-0,3	-25 272
Publishing and printing	7 029 027	7 385 081	+5,1	356 054
Petroleum, chemical products, rubber and plastic products	43 228 260	45 338 473	+4,9	2 110 213
Coke, petroleum products and nuclear fuel	14 531 556	16 254 669	+11,9	1 723 113
Basic chemicals	8 780 916	9 256 660	+5,4	475 744
Other chemical products	11 955 937	11 958 570	+0,0	2 633
Rubber products	2 039 671	2 000 711	-1,9	-38 960
Plastic products	5 920 181	5 867 862	-0,9	-52 319
Glass and non-metallic mineral products	6 829 840	6 822 417	-0,1	-7 423
Glass and glass products	1 176 088	1 216 469	+3,4	40 381
Non-metallic mineral products	5 653 752	5 605 948	-0,8	-47 804
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 722 722	43 640 565	+2,1	917 843
Basic iron and steel products	13 624 638	13 866 027	+1,8	241 389
Basic precious, non-ferrous metal products	6 005 453	6 436 381	+7,2	430 928
Fabricated metal products	10 734 032	10 941 730	+1,9	207 698
Machinery and equipment	12 358 600	12 396 429	+0,3	37 829
Electrical machinery	5 246 516	5 333 185	+1,7	86 669
Radio, television and communication apparatus and professional equipment	2 971 529	2 721 995	-8,4	-249 534
Radio, television and communication apparatus	1 566 420	1 385 891	-11,5	-180 529
Professional equipment	1 405 110	1 336 103	-4,9	-69 007
Motor vehicles, parts and accessories and other transport equipment	36 421 067	38 154 346	+4,8	1 733 279
Motor vehicles, trailers, parts and accessories	34 340 596	36 033 599	+4,9	1 693 003
Other transport equipment	2 080 473	2 120 746	+1,9	40 273
Furniture and other manufacturing division	10 634 375	10 983 213	+3,3	348 838
Furniture	2 690 140	2 673 673	-0,6	-16 467
Other manufacturing groups	7 944 236	8 309 542	+4,6	365 306
<b>Total</b>	<b>216 911 683</b>	<b>222 562 160</b>	<b>+2,6</b>	<b>5 650 477</b>

The major contributors to the increase of 10,2% in sales of manufactured products at current prices for the first quarter of 2006 compared with the first quarter of 2005 were the motor vehicles, parts and accessories and other transport equipment (+3,6 percentage points or +R6 771 million), petroleum, chemical products, rubber and plastic products (+2,9 percentage points or +R5 456 million), food and beverages (+1,3 percentage points or +R2 555 million), wood and wood products, paper, publishing and printing (+0,8 of a percentage point or +R1 511 million), furniture and 'other manufacturing' divisions (+0,7 of a percentage point or +R1 361 million), glass and non-metallic mineral products (+0,5 of a percentage point or +R871 million) and electrical machinery (+0,2 of a percentage point or +R429 million) divisions (see Table D).

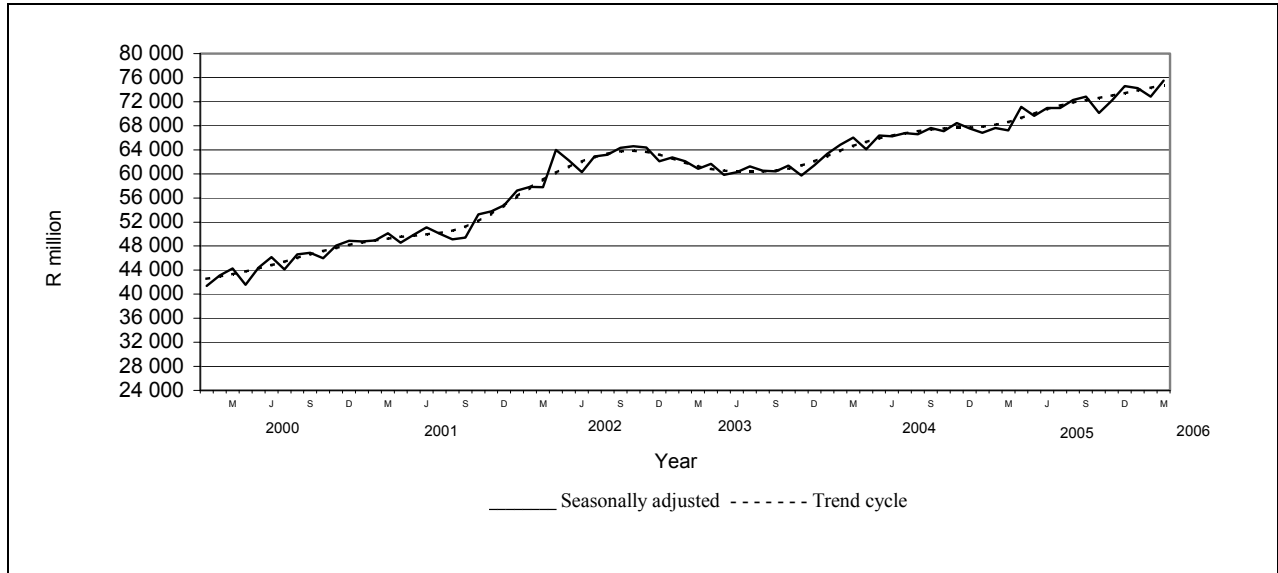
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products January to March 2005	Percentage change between January to March 2005 and January to March 2006	Contribution (percentage points) to the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between January to March 2005 and January to March 2006
				R'000
Food and beverages	18,3	+7,3	+1,3	2 554 850
Food and food products	13,5	+7,7	+1,0	1 981 579
Beverages	4,9	+6,2	+0,3	573 271
Textiles, clothing, leather and footwear	4,7	+2,1	+0,1	191 833
Textiles	2,1	+0,4	+0,0	16 512
Wearing apparel	1,7	+0,3	+0,0	8 996
Leather and leather products	0,6	+5,2	+0,0	56 435
Footwear	0,3	+20,6	+0,1	109 890
Wood, paper, publish and printing	9,1	+8,7	+0,8	1 511 055
Wood and products of wood	1,8	+9,4	+0,2	321 435
Paper and paper products	3,9	+10,0	+0,4	749 395
Publishing and printing	3,4	+6,8	+0,2	440 225
Petroleum, chemical products, rubber and plastic products	19,5	+14,7	+2,9	5 455 507
Coke, petroleum products and nuclear fuel	6,4	+24,6	+1,6	3 029 714
Basic chemicals	3,8	+16,9	+0,6	1 241 777
Other chemical products	5,4	+8,5	+0,5	879 223
Rubber products	1,1	-10,6	-0,1	-230 226
Plastic products	2,6	+10,7	+0,3	535 019
Glass and non-metallic mineral products	2,8	+16,6	+0,5	871 358
Glass and glass products	0,5	+16,7	+0,1	151 452
Non-metallic mineral products	2,3	+16,5	+0,4	719 906
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,6	+0,5	+0,1	201 232
Basic iron and steel products	7,8	-9,3	-0,7	-1 378 110
Basic precious, non-ferrous metal products	2,9	+8,9	+0,3	484 653
Fabricated metal products	4,9	+8,8	+0,4	815 684
Machinery and equipment	6,1	+2,4	+0,1	279 005
Electrical machinery	2,4	+9,5	+0,2	429 050
Radio, television and communication apparatus and professional equipment	1,4	+3,7	+0,1	98 040
Radio, television and communication apparatus	0,7	+1,9	+0,0	26 168
Professional equipment	0,6	+5,8	+0,0	71 872
Motor vehicles, parts and accessories and other transport equipment	15,8	+22,5	+3,6	6 770 748
Motor vehicles, trailers, parts and accessories	14,5	+25,1	+3,6	6 951 837
Other transport equipment	1,3	-7,6	-0,1	-181 089
Furniture and other manufacturing division	4,5	+15,8	+0,7	1 360 857
Furniture	1,1	+7,3	+0,1	155 727
Other manufacturing groups	3,4	+18,5	+0,6	1 205 130
<b>Total</b>	<b>100,0</b>	<b>+10,2</b>	<b>+10,2</b>	<b>19 444 530</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 2005, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2000 and March 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>
	April 2006	7 June 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 March 2006 was 78,8%. Improved response rate for February 2006 was 81,6%.	

**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/ 101,9
F	98,7	102,7	103,6	104,3	103,6	106,3	1/ 110,5
M	104,8	106,8	108,2	108,4	114,1	114,9	1/ 121,5
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	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	102,7	105,9	107,1	105,5	109,4	116,4
F	99,8	105,0	105,9	107,8	107,4	111,0	115,9
M	100,9	103,8	104,7	104,9	110,5	111,2	117,9
A	94,7	101,4	111,5	106,0	105,7	115,3	
M	99,9	100,0	109,9	105,1	110,9	112,0	
J	101,2	103,1	106,0	104,8	110,1	114,1	
J	99,1	101,6	107,4	107,1	111,3	113,7	
A	101,2	100,9	107,8	103,9	110,9	115,1	
S	101,0	100,0	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	110,3	114,8	
D	103,0	105,1	105,4	103,4	112,5	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	+5,9
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+4,0
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	+5,7
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	1/ Year 2005	Indices			Seasonally adjusted indices		
			March 2005	1/ Year		March 2005	1/ Year	
				February	March		February	March
				2006			2006	
Food and beverages	16,4	118,7	122,4	108,4	125,8	120,0	120,6	123,6
Meat, fish, fruit etc.	2,6	127,7	141,2	115,9	133,8	132,5	116,3	125,2
Dairy products	1,1	103,3	105,7	101,9	111,9	100,8	107,7	107,2
Grain mill products	1,5	123,4	121,0	111,5	131,0	119,0	122,3	128,8
Other food products	6,8	106,6	98,8	89,4	107,8	109,1	115,5	118,5
Beverages	4,3	134,6	153,1	134,4	151,2	135,2	134,1	133,1
Textiles, clothing, leather and footwear	5,4	97,9	106,7	98,7	108,0	99,0	98,7	100,1
Textiles	1,2	81,3	96,1	88,1	83,6	86,5	87,9	74,9
Other textile products	1,2	116,7	125,0	112,7	131,3	114,0	113,8	119,6
Knitted, crocheted articles	0,3	77,3	88,1	83,1	83,9	81,4	81,5	77,5
Wearing apparel	2,0	104,2	110,3	103,5	114,6	103,5	102,0	107,2
Leather and leather products	0,3	100,0	119,8	99,1	112,6	110,0	100,6	102,5
Footwear	0,4	79,4	75,4	80,8	97,1	77,6	85,3	99,5
Wood and wood products, paper, publishing and printing	11,0	109,0	108,1	108,3	115,8	105,7	113,1	113,5
Sawmilling and planing of wood	0,7	113,3	126,7	115,3	134,4	114,1	114,6	121,0
Products of wood	1,0	124,6	124,2	122,4	121,8	122,8	123,8	120,9
Paper and paper products	4,8	104,1	99,6	102,4	107,9	96,9	108,0	105,5
Publishing	2,4	107,3	104,6	118,5	118,2	105,0	124,6	118,8
Printing, recorded media	2,1	113,1	117,5	101,1	121,7	115,5	106,1	119,4
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,2	107,2	117,2	111,1	113,4	113,8
Coke, petroleum products, and nuclear fuel	9,1	103,1	107,8	95,3	105,2	103,8	103,0	100,9
Basic chemicals	4,0	113,5	106,7	104,4	113,4	110,0	114,1	116,6
Other chemical products	5,4	125,7	125,0	118,3	132,6	120,3	124,1	127,6
Rubber products	1,1	93,7	103,5	94,7	95,5	100,2	88,9	93,0
Plastic products	3,0	129,2	128,6	132,5	139,4	122,4	134,2	133,0
Glass and non-metallic mineral products	3,9	122,9	114,0	110,6	122,6	115,0	122,3	123,8
Glass and glass products	1,1	137,9	124,4	132,5	132,1	131,2	139,6	139,4
Non-metallic mineral products	2,9	117,3	110,1	102,4	119,0	109,0	115,8	117,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	120,9	108,4	121,2	114,7	113,0	115,5
Basic iron and steel products	5,5	103,7	112,0	99,8	105,5	110,8	103,9	104,6
Non-ferrous metal products	4,7	109,9	114,6	109,7	125,4	110,3	115,7	120,6
Structural metal products	1,3	116,1	118,9	111,1	128,2	115,0	122,4	123,0
Other fabricated metal products	4,2	112,6	114,0	113,1	126,6	108,7	113,6	120,4
General purpose machinery	2,4	114,2	121,6	98,2	110,4	116,8	103,7	106,7
Special purpose machinery	3,2	130,6	157,5	116,9	134,3	134,9	122,0	115,7
Household appliances	1,2	120,5	114,8	124,2	141,1	113,8	129,7	139,6
Electrical machinery	2,7	97,7	106,5	92,5	100,1	101,2	94,3	95,1
Radio, television and communication apparatus and professional equipment	1,3	113,2	107,9	112,7	109,7	103,3	105,1	105,1
Radio, television and communication apparatus	0,7	92,7	82,2	93,2	88,9	76,6	80,4	83,8
Professional equipment	0,6	134,0	134,0	132,4	130,8	130,3	130,2	126,8
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	120,9	144,5	152,1	115,8	144,1	146,6
Motor vehicles	4,1	129,3	108,7	143,9	154,0	107,1	146,8	151,3
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	147,6	177,0	189,9	138,9	173,5	179,4
Parts and accessories	3,1	135,8	136,5	159,5	160,1	133,4	156,0	156,4
Other transport equipment	1,0	91,7	112,9	88,1	105,3	88,5	84,2	83,9
Other manufacturing divisions	5,8	108,0	90,7	109,3	117,4	91,2	110,5	118,1
Furniture	1,6	132,5	129,0	125,2	136,6	129,0	132,6	136,6
Other manufacturing groups	4,2	98,7	76,2	103,3	110,1	76,9	102,2	111,1
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>114,9</b>	<b>110,5</b>	<b>121,5</b>	<b>111,2</b>	<b>115,9</b>	<b>117,9</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	1/	Indices			Seasonally adjusted indices		
		Year	March	1/	Percentage	February	March	Percentage
		2005	2005	March	difference	2006	2006	difference
				2006	between			between
					March			February
					and			and
					March			March
					2006			2006
Food and beverages	16,4	118,7	122,4	125,8	+2,8	120,6	123,6	+2,5
Meat, fish, fruit etc.	2,6	127,7	141,2	133,8	-5,2	116,3	125,2	+7,7
Dairy products	1,1	103,3	105,7	111,9	+5,9	107,7	107,2	-0,5
Grain mill products	1,5	123,4	121,0	131,0	+8,3	122,3	128,8	+5,3
Other food products	6,8	106,6	98,8	107,8	+9,1	115,5	118,5	+2,6
Beverages	4,3	134,6	153,1	151,2	-1,2	134,1	133,1	-0,7
Textiles, clothing, leather and footwear	5,4	97,9	106,7	108,0	+1,2	98,7	100,1	+1,4
Textiles	1,2	81,3	96,1	83,6	-13,0	87,9	74,9	-14,8
Other textile products	1,2	116,7	125,0	131,3	+5,0	113,8	119,6	+5,1
Knitted, crocheted articles	0,3	77,3	88,1	83,9	-4,8	81,5	77,5	-4,9
Wearing apparel	2,0	104,2	110,3	114,6	+3,9	102,0	107,2	+5,1
Leather and leather products	0,3	100,0	119,8	112,6	-6,0	100,6	102,5	+1,9
Footwear	0,4	79,4	75,4	97,1	+28,8	85,3	99,5	+16,6
Wood and wood products, paper, publishing and printing	11,0	109,0	108,1	115,8	+7,1	113,1	113,5	+0,4
Sawmilling and planing of wood	0,7	113,3	126,7	134,4	+6,1	114,6	121,0	+5,6
Products of wood	1,0	124,6	124,2	121,8	-1,9	123,8	120,9	-2,3
Paper and paper products	4,8	104,1	99,6	107,9	+8,3	108,0	105,5	-2,3
Publishing	2,4	107,3	104,6	118,2	+13,0	124,6	118,8	-4,7
Printing, recorded media	2,1	113,1	117,5	121,7	+3,6	106,1	119,4	+12,5
Petroleum, chemical products, rubber and plastic products	22,5	113,3	114,2	117,2	+2,6	113,4	113,8	+0,4
Coke, petroleum products and nuclear fuel	9,1	103,1	107,8	105,2	-2,4	103,0	100,9	-2,0
Basic chemicals	4,0	113,5	106,7	113,4	+6,3	114,1	116,6	+2,2
Other chemical products	5,4	125,7	125,0	132,6	+6,1	124,1	127,6	+2,8
Rubber products	1,1	93,7	103,5	95,5	-7,7	88,9	93,0	+4,6
Plastic products	3,0	129,2	128,6	139,4	+8,4	134,2	133,0	-0,9
Glass and non-metallic mineral products	3,9	122,9	114,0	122,6	+7,5	122,3	123,8	+1,2
Glass and glass products	1,1	137,9	124,4	132,1	+6,2	139,6	139,4	-0,1
Non-metallic mineral products	2,9	117,3	110,1	119,0	+8,1	115,8	117,9	+1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	120,9	121,2	+0,2	113,0	115,5	+2,2
Basic iron and steel products	5,5	103,7	112,0	105,5	-5,8	103,9	104,6	+0,7
Non-ferrous metal products	4,7	109,9	114,6	125,4	+9,4	115,7	120,6	+4,2
Structural metal products	1,3	116,1	118,9	128,2	+7,8	122,4	123,0	+0,5
Other fabricated metal products	4,2	112,6	114,0	126,6	+11,1	113,6	120,4	+6,0
General purpose machinery	2,4	114,2	121,6	110,4	-9,2	103,7	106,7	+2,9
Special purpose machinery	3,2	130,6	157,5	134,3	-14,7	122,0	115,7	-5,2
Household appliances	1,2	120,5	114,8	141,1	+22,9	129,7	139,6	+7,6
Electrical machinery	2,7	97,7	106,5	100,1	-6,0	94,3	95,1	+0,8
Radio, television and communication apparatus and professional equipment	1,3	113,2	107,9	109,7	+1,7	105,1	105,1	-0,0
Radio, television and communication apparatus	0,7	92,7	82,2	88,9	+8,2	80,4	83,8	+4,2
Professional equipment	0,6	134,0	134,0	130,8	-2,4	130,2	126,8	-2,6
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	120,9	152,1	+25,8	144,1	146,6	+1,7
Motor vehicles	4,1	129,3	108,7	154,0	+41,7	146,8	151,3	+3,1
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	147,6	189,9	+28,7	173,5	179,4	+3,4
Parts and accessories	3,1	135,8	136,5	160,1	+17,3	156,0	156,4	+0,3
Other transport equipment	1,0	91,7	112,9	105,3	-6,7	84,2	83,9	-0,4
Other manufacturing divisions	5,8	108,0	90,7	117,4	+29,4	110,5	118,1	+6,9
Furniture	1,6	132,5	129,0	136,6	+5,9	132,6	136,6	+3,0
Other manufacturing groups	4,2	98,7	76,2	110,1	+44,5	102,2	111,1	+8,7
Total	100,0	113,8	114,9	121,5	+5,7	115,9	117,9	+1,7

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	1/62 729 610
F	41 984 311	47 559 661	56 319 773	60 374 141	62 575 341	65 023 085	1/69 850 566
M	46 246 977	52 200 984	59 926 973	62 739 099	67 969 216	69 178 438	1/77 536 355
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	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	847 005 008	
Seasonally adjusted values							
J	41 380 727	48 785 287	57 214 347	62 715 286	63 346 328	66 863 090	74 235 407
F	43 149 157	48 933 012	57 924 730	62 316 882	64 857 191	67 649 784	72 819 249
M	44 270 239	50 094 131	57 729 668	60 785 616	66 052 382	67 218 855	75 507 504
A	41 588 172	48 579 811	64 054 252	61 730 966	64 081 604	71 159 357	
M	44 398 474	49 873 474	62 242 613	59 817 681	66 410 455	69 619 157	
J	46 146 617	51 114 075	60 263 949	60 247 729	66 221 533	70 956 581	
J	44 129 031	50 085 318	62 853 537	61 255 360	66 779 412	70 960 313	
A	46 655 614	49 142 890	63 115 306	60 444 852	66 596 825	72 311 539	
S	46 805 407	49 362 733	64 104 531	60 258 633	67 625 974	72 830 246	
O	45 977 490	53 248 335	64 692 319	61 508 908	67 100 133	70 118 378	
N	48 091 441	53 773 348	64 450 673	59 728 147	68 427 858	72 185 612	
D	48 912 669	54 818 552	62 103 487	61 269 234	67 523 878	74 607 693	

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	+11,1
F	..	+13,3	+18,4	+7,2	+3,6	+3,9	+7,4
M	..	+12,9	+14,8	+4,7	+8,3	+1,8	+12,1
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	Year		Actual values						Seasonally adjusted values					
	1/		March		1/ February		1/ March		March		February		March	
	2005		2005		2006		2006		2005		2006		2006	
Food and beverages	153 498 313	12 712 533	12 243 311	13 731 189	12 486 540	12 971 429	13 489 782							
Meat, fish, fruit etc.	35 850 560	3 009 680	2 761 138	3 169 670	2 927 828	3 036 479	3 078 640							
Dairy products	12 974 474	1 108 697	1 070 675	1 239 820	1 057 125	1 128 646	1 181 373							
Grain mill products	24 925 750	2 055 208	1 882 136	2 250 204	2 046 043	2 035 415	2 249 645							
Other food products	40 542 063	3 166 882	3 072 993	3 567 059	3 263 478	3 316 895	3 656 789							
Beverages	39 205 466	3 372 066	3 456 369	3 504 436	3 192 066	3 453 995	3 323 335							
Textiles, clothing, leather and footwear	38 738 665	3 380 784	3 234 781	3 615 519	3 172 915	3 301 523	3 391 252							
Textiles	6 292 712	552 652	523 558	583 502	516 874	522 457	546 419							
Other textile products	10 885 186	932 622	902 036	1 017 557	868 201	929 328	943 549							
Knitted, crocheted articles	1 686 732	152 704	147 176	152 796	142 682	147 694	142 176							
Wearing apparel	12 773 112	1 131 115	1 055 572	1 176 071	1 059 443	1 075 843	1 100 329							
Leather and leather products	4 438 623	401 538	384 190	417 039	375 848	376 855	390 883							
Footwear	2 662 300	210 153	222 249	268 554	209 866	249 347	267 896							
Wood and wood products, paper, publishing and printing	76 805 213	6 289 775	6 269 798	6 935 285	6 137 751	6 641 990	6 782 084							
Sawmilling and planing of wood	4 023 371	333 432	335 365	359 226	314 997	336 563	340 721							
Products of wood	11 895 172	950 771	979 257	1 019 179	938 270	1 025 663	1 008 566							
Paper and paper products	33 221 695	2 702 455	2 642 840	2 986 086	2 594 095	2 842 530	2 874 719							
Publishing	12 112 206	970 549	1 120 876	1 149 666	980 879	1 180 033	1 163 111							
Printing, recorded media	15 552 769	1 332 568	1 191 460	1 421 128	1 309 510	1 257 201	1 394 967							
Petroleum, chemical products, rubber and plastic products	170 118 397	13 254 925	13 675 336	15 725 983	13 214 460	14 601 354	15 681 088							
Coke, petroleum products, and nuclear fuel	57 696 582	4 386 377	4 649 024	5 708 226	4 464 283	5 105 915	5 766 540							
Basic chemicals	34 963 687	2 539 169	2 786 802	3 071 100	2 658 923	2 958 246	3 222 809							
Other chemical products	46 275 887	3 758 220	3 686 705	4 177 722	3 613 713	3 956 886	4 015 089							
Rubber products	8 489 850	875 862	675 237	753 310	710 708	661 506	708 065							
Plastic products	22 692 391	1 813 297	1 877 568	2 015 625	1 766 832	1 918 800	1 968 585							
Glass and non-metallic mineral products	25 708 507	1 954 657	2 035 939	2 249 303	1 993 168	2 219 999	2 294 783							
Glass and glass products	4 537 546	319 078	358 399	361 297	359 111	376 935	407 155							
Non-metallic mineral products	21 170 961	1 635 579	1 677 540	1 888 006	1 634 057	1 843 064	1 887 628							
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	15 338 983	13 533 657	15 169 321	14 529 171	14 307 055	14 388 843							
Basic iron and steel products	57 886 276	5 413 811	4 373 798	4 570 182	5 264 401	4 646 768	4 432 761							
Non-ferrous metal products	24 070 957	2 031 157	1 889 588	2 269 450	1 999 145	2 080 677	2 224 964							
Structural metal products	13 164 368	1 084 895	1 034 653	1 226 071	1 010 213	1 180 055	1 141 004							
Other fabricated metal products	28 277 891	2 280 603	2 354 804	2 665 032	2 229 927	2 375 394	2 602 171							
General purpose machinery	17 837 796	1 555 818	1 298 664	1 442 704	1 504 068	1 380 809	1 394 585							
Special purpose machinery	20 776 381	2 203 871	1 699 069	1 999 628	1 744 669	1 725 777	1 587 248							
Household appliances	10 096 092	768 828	883 081	996 254	776 748	917 576	1 006 111							
Electrical machinery	20 183 146	1 708 083	1 688 748	1 834 203	1 640 953	1 744 054	1 765 643							
Radio, television and communication apparatus and professional equipment	11 542 033	914 942	958 293	974 589	858 927	884 489	918 660							
Radio, television and communication apparatus	6 148 981	486 221	511 988	517 472	446 220	442 362	478 601							
Professional equipment	5 393 052	428 721	446 305	457 117	412 707	442 127	440 059							
Motor vehicles, parts and accessories and other transport equipment	137 870 382	10 705 874	12 564 446	13 797 351	10 124 992	12 538 797	13 092 992							
Motor vehicles	74 426 017	5 695 990	6 702 241	7 598 385	5 411 099	6 677 177	7 196 018							
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	454 039	530 916	612 375	437 683	565 080	596 386							
Parts and accessories	48 612 826	3 678 193	4 622 048	4 736 985	3 580 203	4 601 356	4 614 742							
Other transport equipment	8 695 825	877 652	709 241	849 606	696 008	695 185	685 845							
Other manufacturing divisions	40 430 591	2 917 882	3 646 257	3 503 612	3 059 977	3 608 559	3 702 377							
Furniture	10 312 926	798 614	817 503	911 856	814 553	871 979	924 115							
Other manufacturing groups	30 117 665	2 119 268	2 828 754	2 591 756	2 245 424	2 736 581	2 778 263							
<b>Total</b>	<b>847 005 008</b>	<b>69 178 438</b>	<b>69 850 566</b>	<b>77 536 355</b>	<b>67 218 855</b>	<b>72 819 249</b>	<b>75 507 504</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	March 2005	1/ March 2006	Percentage change between March 2005 and March 2006	February 2006	March 2006	Percentage change between February and March 2006	
								2005
Food and beverages	153 498 313	12 712 533	13 731 189	+8,0	12 971 429	13 489 782	+4,0	
Meat, fish, fruit etc.	35 850 560	3 009 680	3 169 670	+5,3	3 036 479	3 078 640	+1,4	
Dairy products	12 974 474	1 108 697	1 239 820	+11,8	1 128 646	1 181 373	+4,7	
Grain mill products	24 925 750	2 055 208	2 250 204	+9,5	2 035 415	2 249 645	+10,5	
Other food products	40 542 063	3 166 882	3 567 059	+12,6	3 316 895	3 656 789	+10,2	
Beverages	39 205 466	3 372 066	3 504 436	+3,9	3 453 995	3 323 335	-3,8	
Textiles, clothing, leather and footwear	38 738 665	3 380 784	3 615 519	+6,9	3 301 523	3 391 252	+2,7	
Textiles	6 292 712	552 652	583 502	+5,6	522 457	546 419	+4,6	
Other textile products	10 885 186	932 622	1 017 557	+9,1	929 328	943 549	+1,5	
Knitted, crocheted articles	1 686 732	152 704	152 796	+0,1	147 694	142 176	-3,7	
Wearing apparel	12 773 112	1 131 115	1 176 071	+4,0	1 075 843	1 100 329	+2,3	
Leather and leather products	4 438 623	401 538	417 039	+3,9	376 855	390 883	+3,7	
Footwear	2 662 300	210 153	268 554	+27,8	249 347	267 896	+7,4	
Wood and wood products, paper, publishing and printing	76 805 213	6 289 775	6 935 285	+10,3	6 641 990	6 782 084	+2,1	
Sawmilling and planing of wood	4 023 371	333 432	359 226	+7,7	336 563	340 721	+1,2	
Products of wood	11 895 172	950 771	1 019 179	+7,2	1 025 663	1 008 566	-1,7	
Paper and paper products	33 221 695	2 702 455	2 986 086	+10,5	2 842 530	2 874 719	+1,1	
Publishing	12 112 206	970 549	1 149 666	+18,5	1 180 033	1 163 111	-1,4	
Printing, recorded media	15 552 769	1 332 568	1 421 128	+6,6	1 257 201	1 394 967	+11,0	
Petroleum, chemical products, rubber and plastic products	170 118 397	13 254 925	15 725 983	+18,6	14 601 354	15 681 088	+7,4	
Coke, petroleum products and nuclear fuel	57 696 582	4 386 377	5 708 226	+30,1	5 105 915	5 766 540	+12,9	
Basic chemicals	34 963 687	2 539 169	3 071 100	+20,9	2 958 246	3 222 809	+8,9	
Other chemical products	46 275 887	3 758 220	4 177 722	+11,2	3 956 886	4 015 089	+1,5	
Rubber products	8 489 850	757 862	753 310	-0,6	661 506	708 065	+7,0	
Plastic products	22 692 391	1 813 297	2 015 625	+11,2	1 918 800	1 968 585	+2,6	
Glass and non-metallic mineral products	25 708 507	1 954 657	2 249 303	+15,1	2 219 999	2 294 783	+3,4	
Glass and glass products	4 537 546	319 078	361 297	+13,2	376 935	407 155	+8,0	
Non-metallic mineral products	21 170 961	1 635 579	1 888 006	+15,4	1 843 064	1 887 628	+2,4	
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 109 761	15 338 983	15 169 321	-1,1	14 307 055	14 388 843	+0,6	
Basic iron and steel products	57 886 276	5 413 811	4 570 182	-15,6	4 646 768	4 432 761	-4,6	
Non-ferrous metal products	24 070 957	2 031 157	2 269 450	+11,7	2 080 677	2 224 964	+6,9	
Structural metal products	13 164 368	1 084 895	1 226 071	+13,0	1 180 055	1 141 004	-3,3	
Other fabricated metal products	28 277 891	2 280 603	2 665 032	+16,9	2 375 394	2 602 171	+9,5	
General purpose machinery	17 837 796	1 555 818	1 442 704	-7,3	1 380 809	1 394 585	+1,0	
Special purpose machinery	20 776 381	2 203 871	1 999 628	-9,3	1 725 777	1 587 248	-8,0	
Household appliances	10 096 092	768 828	996 254	+29,6	917 576	1 006 111	+9,6	
Electrical machinery	20 183 146	1 708 083	1 834 203	+7,4	1 744 054	1 765 643	+1,2	
Radio, television and communication apparatus and professional equipment	11 542 033	914 942	974 589	+6,5	884 489	918 660	+3,9	
Radio, television and communication apparatus	6 148 981	486 221	517 472	+6,4	442 362	478 601	+8,2	
Professional equipment	5 393 052	428 721	457 117	+6,6	442 127	440 059	-0,5	
Motor vehicles, parts and accessories and other transport equipment	137 870 382	10 705 874	13 797 351	+28,9	12 538 797	13 092 992	+4,4	
Motor vehicles	74 426 017	5 695 990	7 598 385	+33,4	6 677 177	7 196 018	+7,8	
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	454 039	612 375	+34,9	565 080	596 386	+5,5	
Parts and accessories	48 612 826	3 678 193	4 736 985	+28,8	4 601 356	4 614 742	+0,3	
Other transport equipment	8 695 825	877 652	849 606	-3,2	695 185	685 845	-1,3	
Other manufacturing divisions	40 430 591	2 917 882	3 503 612	+20,1	3 608 559	3 702 377	+2,6	
Furniture	10 312 926	798 614	911 856	+14,2	871 979	924 115	+6,0	
Other manufacturing groups	30 117 665	2 119 268	2 591 756	+22,3	2 736 581	2 778 263	+1,5	
<b>Total</b>	<b>847 005 008</b>	<b>69 178 438</b>	<b>77 536 355</b>	<b>+12,1</b>	<b>72 819 249</b>	<b>75 507 504</b>	<b>+3,7</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)		
		January to March 2005	January to March 2006	Annual percentage change between January to March 2005 and January to March 2006	January to March 2005	January to March 2006	Annual percentage change between January to March 2005 and January to March 2006
Food and beverages	16,4	107,5	112,2	+4,4	34 949 764	37 504 614	+7,3
Meat, fish, fruit etc.	2,6	125,0	121,6	-2,7	7 950 052	8 602 609	+8,2
Dairy products	1,1	98,3	107,3	+9,2	3 045 824	3 390 883	+11,3
Grain mill products	1,5	110,9	119,8	+8,0	5 865 844	6 066 548	+3,4
Other food products	6,8	83,3	91,8	+10,2	8 819 596	9 602 855	+8,9
Beverages	4,3	136,4	137,4	+0,7	9 268 448	9 841 719	+6,2
Textiles, clothing, leather and footwear	5,4	93,3	92,2	-1,2	8 978 582	9 170 415	+2,1
Textiles	1,2	81,0	76,5	-5,6	1 507 140	1 479 865	-1,8
Other textile products	1,2	112,9	110,1	-2,5	2 536 790	2 580 577	+1,7
Knitted, crocheted articles	0,3	79,0	74,6	-5,6	411 921	396 546	-3,7
Wearing apparel	2,0	96,2	96,1	-0,1	2 896 724	2 921 095	+0,8
Leather and leather products	0,3	103,7	101,9	-1,7	1 092 622	1 149 057	+5,2
Footwear	0,4	65,7	76,0	+15,7	533 385	643 275	+20,6
Wood and wood products, paper, publishing and printing	11,0	101,8	107,3	+5,4	17 423 084	18 934 139	+8,7
Sawmilling and planing of wood	0,7	111,3	119,4	+7,3	918 282	991 457	+8,0
Products of wood	1,0	109,6	112,4	+2,6	2 504 328	2 752 588	+9,9
Paper and paper products	4,8	95,7	102,7	+7,3	7 486 300	8 235 695	+10,0
Publishing	2,4	100,3	113,0	+12,7	2 776 631	3 240 757	+16,7
Printing, recorded media	2,1	110,1	105,0	-4,6	3 737 543	3 713 642	-0,6
Petroleum, chemical products, rubber and plastic products	22,5	106,1	109,3	+3,0	37 150 594	42 606 101	+14,7
Coke, petroleum products and nuclear fuel	9,1	101,9	100,7	-1,2	12 291 761	15 321 475	+24,6
Basic chemicals	4,0	97,9	107,9	+10,2	7 330 901	8 572 678	+16,9
Other chemical products	5,4	114,3	119,2	+4,3	10 339 628	11 218 851	+8,5
Rubber products	1,1	101,8	85,6	-15,9	2 166 547	1 936 321	-10,6
Plastic products	3,0	116,9	128,6	+10,0	5 021 757	5 556 776	+10,7
Glass and non-metallic mineral products	3,9	103,6	114,1	+10,1	5 264 269	6 135 627	+16,6
Glass and glass products	1,1	113,5	131,4	+15,8	905 966	1 057 418	+16,7
Non-metallic mineral products	2,9	99,8	107,6	+7,8	4 358 303	5 078 209	+16,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	109,4	112,1	+2,5	41 117 657	41 318 889	+0,5
Basic iron and steel products	5,5	107,6	105,1	-2,3	14 792 956	13 414 846	-9,3
Non-ferrous metal products	4,7	104,0	117,2	+12,7	5 474 603	5 959 256	+8,9
Structural metal products	1,3	102,0	110,2	+8,0	2 872 416	3 118 486	+8,6
Other fabricated metal products	4,2	105,6	111,0	+5,1	6 438 370	7 007 984	+8,8
General purpose machinery	2,4	105,3	99,0	-6,0	4 056 040	3 911 504	-3,6
Special purpose machinery	3,2	133,0	124,4	-6,5	5 277 383	5 217 506	-1,1
Household appliances	1,2	106,3	127,3	+19,8	2 205 889	2 689 307	+21,9
Electrical machinery	2,7	91,0	90,8	-0,2	4 500 891	4 929 941	+9,5
Radio, television and communication apparatus and professional equipment	1,3	102,8	104,3	+1,5	2 620 492	2 718 532	+3,7
Radio, television and communication apparatus	0,7	80,7	81,7	+1,2	1 384 515	1 410 683	+1,9
Professional equipment	0,6	125,2	127,1	+1,5	1 235 977	1 307 849	+5,8
Motor vehicles, parts and accessories and other transport equipment	8,6	116,7	139,5	+19,5	30 034 066	36 804 814	+22,5
Motor vehicles	4,1	108,8	139,6	+28,3	15 529 395	19 739 884	+27,1
Bodies for motor vehicles, trailers and semi-trailers	0,4	126,6	164,7	+30,1	1 181 380	1 499 991	+27,0
Parts and accessories	3,1	130,5	151,8	+16,3	10 935 566	13 358 303	+22,2
Other transport equipment	1,0	102,8	91,3	-11,2	2 387 725	2 206 636	-7,6
Other manufacturing divisions	5,8	97,6	105,9	+8,5	8 632 602	9 993 459	+15,8
Furniture	1,6	113,1	116,4	+2,9	2 121 217	2 276 944	+7,3
Other manufacturing groups	4,2	91,7	102,0	+11,2	6 511 385	7 716 515	+18,5
<b>Total</b>	<b>100,0</b>	<b>105,8</b>	<b>111,3</b>	<b>+5,2</b>	<b>190 672 001</b>	<b>210 116 531</b>	<b>+10,2</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 Programme developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.
- Trend cycle**
- 15** 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**
- 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**

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