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# Statistical release

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# Manufacturing: Production and sales (Preliminary)

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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

**Table A - Selected key figures regarding manufacturing production and sales for March 2007**

Estimates	March 2007	% change between March 2006 and March 2007	% change between January to March 2006 and January to March 2007
Physical volume of manufacturing production index (2000=100)	127,7	+5,2	+6,0
Total value of sales of manufactured products (R million)	93 876	+20,6	+22,1

Seasonally adjusted estimates	March 2007	% change between February and March 2007	% change between October to December 2006 and January to March 2007
Physical volume of manufacturing production index (2000=100)	123,5	-0,3	+1,2
Total value of sales of manufactured products (R million)	91 867	+0,3	+6,1

### Key findings regarding manufacturing production and sales for March 2007

#### Manufacturing production increases

*The estimated seasonally adjusted manufacturing production for the first quarter of 2007 increased by 1,2% compared with the fourth quarter of 2006. Higher production levels were reported by seven of the ten manufacturing divisions. In addition, the estimated manufacturing production for the first quarter of 2007 increased by 6,0% compared with the first quarter of 2006. This is the highest year on year increase for the first quarter.*

The major contributor to the seasonally adjusted increase of 1,2% in total manufacturing production for the first quarter of 2007 compared with the fourth quarter of 2006 was the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +0,5 of a percentage point), followed by the food and beverages division and the petroleum, chemical products, rubber and plastic products division (each contributing +0,3 of a percentage point), the glass and non-metallic mineral products division (contributing +0,2 of a percentage point), the motor vehicles, parts and accessories and other transport equipment division and the furniture and 'other' manufacturing division (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**

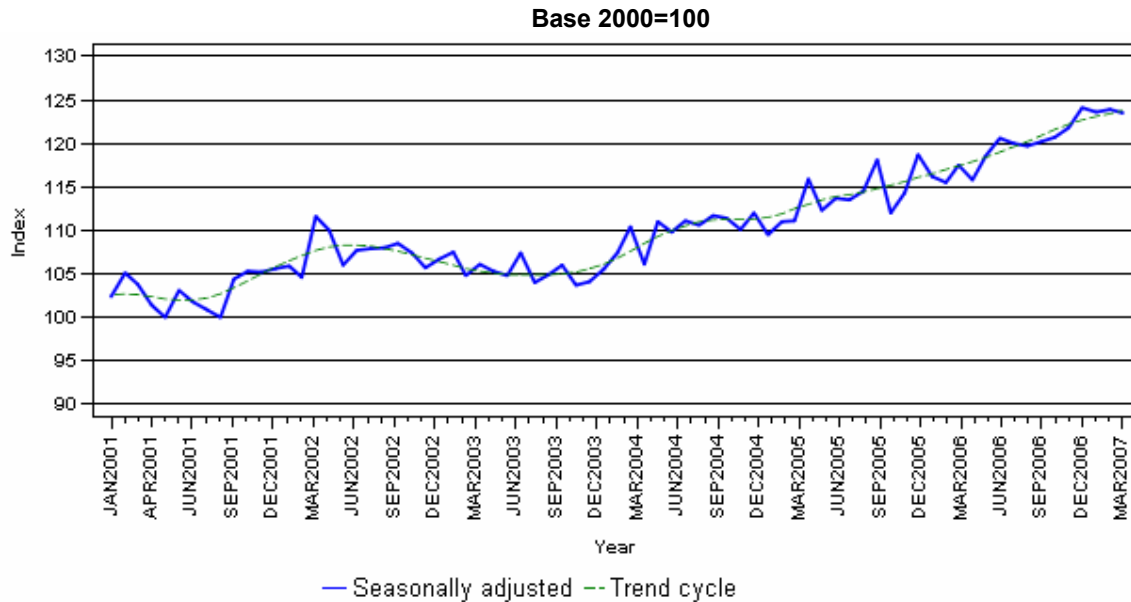
**(Base 2000=100)**

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 2006	Average seasonally adjusted production index for January to March 2007	Quarterly percentage change of January 2007 to March 2007 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production <i>1/</i>
<b>Food and beverages</b>	16,4	120,1	122,2	+1,7	+0,3
-Food and food products	12,1	116,5	116,1	-0,3	-0,0
-Beverages	4,3	129,9	139,4	+7,3	+0,3
<b>Textiles, clothing, leather and footwear</b>	5,4	101,9	99,8	-2,1	-0,1
-Textiles	2,4	102,4	98,4	-3,9	-0,1
-Wearing apparel	2,3	105,5	104,5	-0,9	-0,0
-Leather and leather products	0,3	101,8	98,3	-3,4	-0,0
-Footwear	0,4	81,5	85,1	+4,4	+0,0
<b>Wood and wood products, paper, publishing and printing</b>	11,0	118,9	118,1	-0,7	-0,1
-Wood and products of wood	1,7	126,5	127,7	+0,9	+0,0
-Paper and paper products	4,8	116,0	111,9	-3,5	-0,2
-Publishing and printing	4,6	118,9	120,9	+1,7	+0,1
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	120,3	121,7	+1,2	+0,3
-Coke, petroleum products and nuclear fuel	9,1	95,1	94,8	-0,3	-0,0
-Basic chemicals	4,0	136,8	141,5	+3,4	+0,1
-Other chemical products	5,4	136,1	137,5	+1,0	+0,1
-Rubber products	1,1	92,2	90,5	-1,8	-0,0
-Plastic products	3,0	157,9	161,1	+2,0	+0,1
<b>Glass and non-metallic mineral products</b>	3,9	134,0	140,8	+5,1	+0,2
-Glass and glass products	1,1	156,8	165,8	+5,7	+0,1
-Non-metallic mineral products	2,9	125,5	131,5	+4,8	+0,1
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	123,9	126,5	+2,1	+0,5
-Basic iron and steel products	5,5	111,1	117,3	+5,6	+0,3
-Basic precious, non-ferrous metal products	4,7	120,4	118,0	-2,0	-0,1
-Fabricated metal products	5,5	130,6	135,1	+3,4	+0,2
-Machinery and equipment	6,7	131,7	132,7	+0,8	+0,1
-Electrical machinery	2,7	107,4	105,0	-2,2	-0,1
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	111,9	113,6	+1,5	+0,0
-Radio, television and communication apparatus	0,7	102,0	97,5	-4,4	-0,0
-Professional equipment	0,6	121,9	130,0	+6,6	+0,0
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	148,0	150,0	+1,4	+0,1
-Motor vehicles, trailers, parts and accessories	7,6	154,1	156,5	+1,6	+0,1
-Other transport equipment	1,0	101,3	100,1	-1,2	-0,0
<b>Furniture and other manufacturing division</b>	5,8	116,7	117,9	+1,0	+0,1
-Furniture	1,6	147,7	140,4	-4,9	-0,1
-Other manufacturing groups	4,2	105,1	109,4	+4,1	+0,2
<b>Total</b>	<b>100,0</b>	<b>122,2</b>	<b>123,7</b>	<b>+1,2</b>	<b>+1,2</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 2001 and March 2007. The trend series rose between mid-2003 and September 2004, and moved sideways up to December 2004. It resumed its upward trend in 2005, which continued until March 2007.

**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 2007 increased by 6,1% (+R15 729 million), after seasonal adjustment, compared with the fourth quarter of 2006. Higher manufacturing sales were reported by all ten manufacturing divisions during this period (see Table C).**

The seasonally adjusted increase of 6,1% in the total value of sales of manufactured products at current prices for the first quarter of 2007 compared with the fourth quarter of 2006 was mainly due to increases reported for the furniture and ‘other’ manufacturing division (+10,2% or +R1 238 million), the glass and non-metallic mineral products division (+8,0% or +R598 million), the petroleum, chemical products, rubber and plastic products division (+7,7% or +R4 038 million), the motor vehicles, parts and accessories and other transport equipment division (+6,7% or +R2 853 million), the food and beverages division (+6,3% or +R2 708 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (+5,6% or +R3 127 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 2006	Seasonally adjusted sales January to March 2007	Percentage change between October to December 2006 and January to March 2007	Difference in seasonally adjusted sales of manufacturing divisions between October to December 2006 and January to March 2007
	R '000	R '000		R '000
<b>Food and beverages</b>	43 101 888	45 810 065	+6,3	2 708 177
-Food and food products	31 763 623	33 513 331	+5,5	1 749 708
-Beverages	11 338 265	12 296 736	+8,5	958 471
<b>Textiles, clothing, leather and footwear</b>	10 041 508	10 298 262	+2,6	256 754
-Textiles	4 354 507	4 437 615	+1,9	83 108
-Wearing apparel	3 906 105	4 037 818	+3,4	131 713
-Leather and leather products	1 136 526	1 164 221	+2,4	27 695
-Footwear	644 370	658 606	+2,2	14 236
<b>Wood and wood products, paper, publishing and printing</b>	22 342 140	22 837 819	+2,2	495 679
-Wood and products of wood	4 756 912	4 911 202	+3,2	154 290
-Paper and paper products	9 867 598	9 813 022	-0,6	-54 576
-Publishing and printing	7 717 630	8 113 594	+5,1	395 964
<b>Petroleum, chemicals products, rubber and plastic products</b>	52 748 689	56 787 036	+7,7	4 038 347
-Coke, petroleum products and nuclear fuel	19 298 625	21 329 201	+10,5	2 030 576
-Basic chemicals	10 718 577	11 518 634	+7,5	800 057
-Other chemical products	13 250 676	13 769 836	+3,9	519 160
-Rubber products	2 387 143	2 490 598	+4,3	103 455
-Plastic products	7 093 667	7 678 767	+8,2	585 100
<b>Glass and non-metallic mineral products</b>	7 504 513	8 102 973	+8,0	598 460
-Glass and glass products	1 419 522	1 565 413	+10,3	145 891
-Non-metallic mineral products	6 084 991	6 537 560	+7,4	452 569
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	56 331 275	59 458 604	+5,6	3 127 329
-Basic iron and steel products	22 610 201	23 465 106	+3,8	854 905
-Basic precious, non-ferrous metal products	7 882 232	8 870 338	+12,5	988 106
-Fabricated metal products	12 695 313	13 468 417	+6,1	773 104
-Machinery and equipment	13 143 529	13 654 742	+3,9	511 213
Electrical machinery	7 755 798	8 088 300	+4,3	332 502
<b>Radio, television and communication apparatus and professional equipment</b>	3 103 687	3 184 996	+2,6	81 309
-Radio, television and communication apparatus	1 721 086	1 664 124	-3,3	-56 962
-Professional equipment	1 382 601	1 520 873	+10,0	138 272
<b>Motor vehicles, parts and accessories and other transport equipment</b>	42 412 231	45 265 264	+6,7	2 853 033
-Motor vehicles, trailers, parts and accessories	39 595 333	42 445 119	+7,2	2 849 786
-Other transport equipment	2 816 898	2 820 146	+0,1	3 248
<b>Furniture and other manufacturing division</b>	12 182 962	13 420 595	+10,2	1 237 633
-Furniture	3 038 669	2 926 140	-3,7	-112 529
-Other manufacturing groups	9 144 292	10 494 456	+14,8	1 350 164
<b>Total</b>	<b>257 524 689</b>	<b>273 253 912</b>	<b>+6,1</b>	<b>15 729 223</b>

**The value of sales of manufactured products at current prices for the first quarter of 2007 was 22,1% (R46 645 million) higher than for the first quarter of 2006 (see Table D).**

The major contributors to the increase of 22,1% in sales of manufactured products at current prices for the first quarter of 2007 compared with the first quarter of 2006 were the basic iron and steel, non-ferrous metal products, metal products and machinery (+6,6 percentage points or +R13 881 million), the petroleum, chemical products, rubber and plastic products (+5,0 percentage points or +R10 510 million), the motor vehicles, parts and accessories and other transport equipment (+3,8 percentage points or +R7 901 million), the food and beverages (+2,8 percentage points or +R5 878 million) and the wood and wood products, paper, publishing and printing (+1,2 percentage points or +R2 466 million) divisions (see Table D).

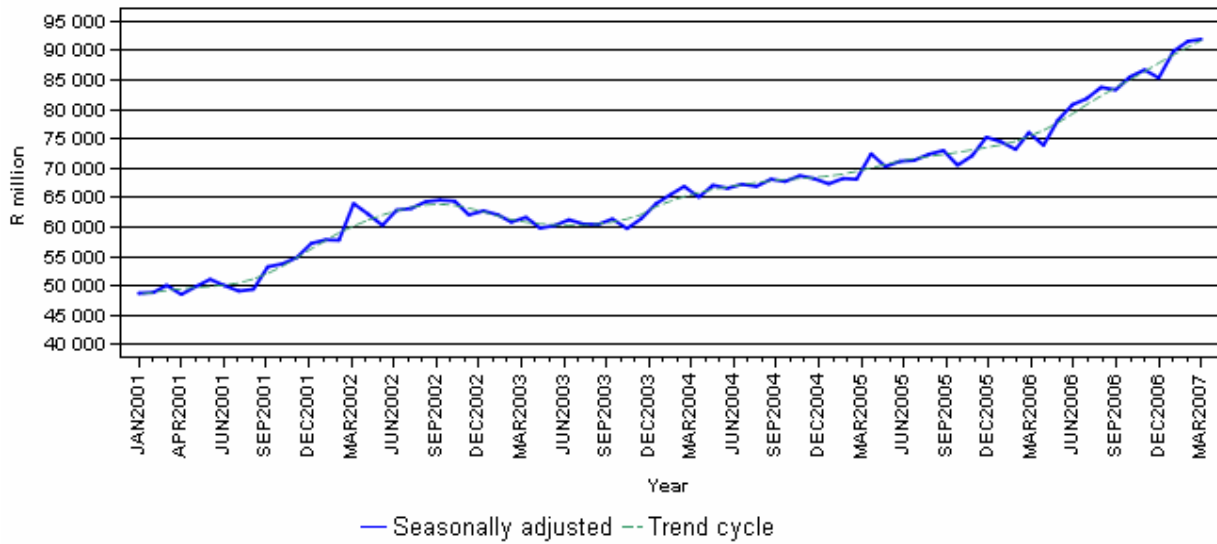
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products January to March 2006	Percentage change between January to March 2006 and January to March 2007	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between January to March 2006 and January to March 2007
				R '000
<b>Food and beverages</b>	17,7	+15,7	+2,8	5 878 499
-Food and food products	12,8	+15,3	+2,0	4 153 034
-Beverages	4,9	+16,8	+0,8	1 725 465
<b>Textiles, clothing, leather and footwear</b>	4,2	+6,7	+0,3	593 903
-Textiles	1,8	+7,5	+0,1	289 921
-Wearing apparel	1,6	+7,7	+0,1	261 460
-Leather and leather products	0,5	+2,4	+0,0	27 243
-Footwear	0,3	+2,9	+0,0	15 279
<b>Wood and wood products, paper, publishing and printing</b>	9,0	+12,9	+1,2	2 465 750
-Wood and products of wood	1,8	+15,9	+0,3	616 705
-Paper and paper products	4,0	+9,8	+0,4	834 016
-Publishing and printing	3,2	+15,1	+0,5	1 015 029
<b>Petroleum, chemicals products, rubber and plastic products</b>	20,2	+24,7	+5,0	10 509 786
-Coke, petroleum products and nuclear fuel	7,3	+30,2	+2,2	4 633 751
-Basic chemicals	4,0	+24,7	+1,0	2 084 647
-Other chemical products	5,3	+15,9	+0,8	1 775 661
-Rubber products	1,0	+18,9	+0,2	381 956
-Plastic products	2,6	+29,4	+0,8	1 633 771
<b>Glass and non-metallic mineral products</b>	3,0	+16,4	+0,5	1 030 969
-Glass and glass products	0,5	+21,1	+0,1	235 566
-Non-metallic mineral products	2,4	+15,4	+0,4	795 403
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	20,1	+32,7	+6,6	13 881 451
-Basic iron and steel products	6,9	+54,0	+3,7	7 882 082
-Basic precious, non-ferrous metal products	2,8	+37,3	+1,0	2 234 784
-Fabricated metal products	4,9	+20,7	+1,0	2 139 191
-Machinery and equipment	5,5	+14,1	+0,8	1 625 394
Electrical machinery	2,6	+33,6	+0,9	1 867 848
<b>Radio, television and communication apparatus and professional equipment</b>	1,4	+8,8	+0,1	252 020
-Radio, television and communication apparatus	0,7	+12,4	+0,1	180 203
-Professional equipment	0,7	+5,1	+0,0	71 817
<b>Motor vehicles, parts and accessories and other transport equipment</b>	16,9	+22,2	+3,8	7 901 105
-Motor vehicles, trailers, parts and accessories	15,8	+22,0	+3,5	7 332 014
-Other transport equipment	1,1	+24,5	+0,3	569 091
<b>Furniture and other manufacturing division</b>	4,8	+22,1	+1,1	2 263 362
-Furniture	1,1	+9,2	+0,1	209 009
-Other manufacturing groups	3,8	+25,8	+1,0	2 054 353
<b>Total</b>	<b>100,0</b>	<b>+22,1</b>	<b>+22,1</b>	<b>46 644 693</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 2006, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2001 and March 2007. 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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**Detailed results: Tables**

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

**Base 2000 = 100**

Month	2001	2002	2003	2004	2005	2006	2007
Jan	91,1	93,7	94,4	93,1	96,2	101,7	1/ 107,6
Feb	102,7	103,6	104,3	103,6	106,3	110,1	1/ 118,0
Mar	106,8	108,2	108,4	114,1	114,9	121,4	1/ 127,7
Apr	95,3	104,4	100,0	100,3	109,2	109,2	
May	100,2	110,3	105,7	111,6	112,8	118,9	
Jun	104,0	106,7	105,3	110,5	114,3	121,4	
Jul	102,8	108,8	108,7	113,0	115,5	122,2	
Aug	102,3	109,8	106,3	113,7	118,2	123,8	
Sep	103,1	111,4	108,7	116,0	122,9	125,5	
Oct	114,9	119,6	116,7	122,5	123,2	132,6	
Nov	117,6	119,8	114,9	122,3	127,1	135,4	
Dec	92,5	92,7	91,5	99,0	104,6	109,3	
Year	102,8	107,4	105,4	110,0	113,8	119,3	

1/ Preliminary

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

Month	2001	2002	2003	2004	2005	2006	2007
Jan	-	+2,9	+0,7	-1,4	+3,3	+5,7	+5,8
Feb	-	+0,9	+0,7	-0,7	+2,6	+3,6	+7,2
Mar	-	+1,3	+0,2	+5,3	+0,7	+5,7	+5,2
Apr	-	+9,5	-4,2	+0,3	+8,9	0,0	
May	-	+10,1	-4,2	+5,6	+1,1	+5,4	
Jun	-	+2,6	-1,3	+4,9	+3,4	+6,2	
Jul	-	+5,8	-0,1	+4,0	+2,2	+5,8	
Aug	-	+7,3	-3,2	+7,0	+4,0	+4,7	
Sep	-	+8,1	-2,4	+6,7	+5,9	+2,1	
Oct	-	+4,1	-2,4	+5,0	+0,6	+7,6	
Nov	-	+1,9	-4,1	+6,4	+3,9	+6,5	
Dec	-	+0,2	-1,3	+8,2	+5,7	+4,5	
Year	-	+4,5	-1,9	+4,4	+3,5	+4,8	

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 3 – Seasonally adjusted indices of the physical volume of manufacturing production: Total**

Month	2001	2002	2003	2004	2005	2006	2007
Jan	102,6	105,8	107,0	105,5	109,5	116,2	123,6
Feb	105,0	105,9	107,7	107,4	111,0	115,5	123,9
Mar	103,7	104,6	104,7	110,4	111,1	117,5	123,5
Apr	101,6	112,0	106,7	106,1	115,9	115,8	
May	100,0	110,0	105,3	111,0	112,3	118,6	
Jun	103,1	106,0	104,7	109,8	113,7	120,6	
Jul	101,6	107,4	107,2	111,1	113,5	120,0	
Aug	100,9	107,7	103,8	110,6	114,5	119,7	
Sep	100,0	108,0	105,0	111,7	118,1	120,2	
Oct	104,4	108,7	106,2	111,4	112,0	120,7	
Nov	105,3	107,5	103,6	110,1	114,3	121,8	
Dec	104,9	105,2	103,3	112,0	118,7	124,1	

**Table 4a - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups**

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year 2006	Indices			Seasonally adjusted indices		
			March 2006	1/ February 2007	1/ March 2007	March 2006	February 2007	March 2007
Food and beverages	16,4	119,7	123,9	111,9	119,9	122,0	123,3	117,0
-Meat, fish, fruit etc.	2,6	124,5	140,4	130,1	144,8	127,6	129,0	130,8
-Dairy products	1,1	110,4	110,1	107,3	121,8	106,0	114,9	117,6
-Grain mill products	1,5	124,3	130,6	121,6	133,2	128,0	134,5	130,6
-Other food products	6,8	110,4	104,5	82,6	89,6	115,4	107,9	98,5
-Beverages	4,3	132,3	145,9	145,1	147,3	131,0	142,3	132,9
Textiles, clothing, leather and footwear	5,4	99,8	106,1	102,6	106,2	98,7	102,1	98,8
-Textiles	1,2	80,6	84,2	90,3	84,1	76,3	85,9	76,3
-Other textile products	1,2	120,5	131,9	119,6	128,5	120,7	120,7	117,7
-Knitted, crocheted articles	0,3	80,7	87,7	85,4	88,6	79,8	83,3	80,7
-Wearing apparel	2,0	106,7	110,8	109,1	113,2	105,2	108,7	107,4
-Leather and leather products	0,3	98,2	111,8	98,3	113,1	98,4	98,3	98,7
-Footwear	0,4	82,2	85,9	78,6	85,1	86,4	84,9	85,3
Wood and wood products, paper, publishing and printing	11,0	116,1	115,1	113,4	121,7	113,3	118,9	120,2
-Sawmilling and planing of wood	0,7	118,3	125,0	119,8	135,8	113,2	119,0	123,1
-Products of wood	1,0	130,5	123,6	121,8	138,1	123,5	126,9	138,2
-Paper and paper products	4,8	112,6	108,3	106,5	113,7	108,1	114,5	114,3
-Publishing	2,4	120,1	117,0	124,4	129,0	116,3	127,2	128,2
-Printing, recorded media	2,1	111,8	120,9	110,2	119,2	117,0	115,5	115,0
Petroleum, chemical products, rubber and plastic products	22,5	115,7	117,6	112,5	123,2	115,1	120,6	120,9
-Coke, petroleum products and nuclear fuel	9,1	95,0	106,1	90,0	93,8	102,6	96,9	90,8
-Basic chemicals	4,0	125,4	113,2	121,5	138,0	117,5	138,1	143,1
-Other chemical products	5,4	130,6	133,5	128,8	144,4	128,3	137,3	139,0
-Rubber products	1,1	89,6	93,5	92,8	97,4	90,4	88,9	93,5
-Plastic products	3,0	149,5	139,4	147,8	165,1	135,8	152,2	161,6
Glass and non-metallic mineral products	3,9	130,4	123,9	125,2	146,0	124,9	139,8	147,7
-Glass and glass products	1,1	150,7	132,2	152,2	166,6	139,6	163,1	176,6
-Non-metallic mineral products	2,9	122,9	120,8	115,1	138,4	119,4	131,1	137,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	120,7	121,4	121,3	134,7	115,4	126,3	128,0
-Basic iron and steel products	5,5	111,7	105,9	110,3	125,0	102,6	115,3	121,0
-Non-ferrous metal products	4,7	119,3	125,4	108,6	124,8	119,8	116,0	119,1
-Structural metal products	1,3	123,8	125,8	123,1	136,8	121,9	134,9	132,3
-Other fabricated metal products	4,2	123,9	127,0	136,6	145,6	120,6	137,7	138,2
-General purpose machinery	2,4	112,3	109,7	109,0	121,6	107,2	117,6	118,9
-Special purpose machinery	3,2	134,7	135,7	143,5	159,2	119,3	143,9	141,1
-Household appliances	1,2	134,4	142,2	131,3	138,7	140,6	139,3	137,4
Electrical machinery	2,7	104,9	101,8	98,1	108,7	97,2	103,6	104,0
Radio, television and communication apparatus and professional equipment	1,3	109,7	116,0	116,5	116,8	112,1	112,2	113,4
-Radio, television and communication apparatus	0,7	96,3	95,3	100,2	101,3	92,8	92,9	99,7
-Professional equipment	0,6	123,4	137,0	133,1	132,6	131,7	131,8	127,2
Motor vehicles, parts and accessories and other transport equipment	8,6	145,5	152,1	151,1	157,3	145,0	149,3	149,8
-Motor vehicles	4,1	149,0	154,0	151,9	155,1	149,9	153,8	150,9
-Bodies for motor vehicles, trailers and semi-trailers	0,4	188,8	186,9	225,1	225,4	179,7	217,3	216,9
-Parts and accessories	3,1	151,3	160,1	156,3	165,8	152,4	150,7	157,3
-Other transport equipment	1,0	96,2	106,0	103,3	114,3	88,6	100,8	96,5
Furniture and other manufacturing division	5,8	113,2	118,0	123,0	125,7	112,8	122,3	119,8
-Furniture	1,6	142,9	137,7	134,8	134,3	140,4	143,8	137,0
-Other manufacturing groups	4,2	102,0	110,6	118,6	122,5	102,4	114,2	113,4
<b>Total</b>	<b>100,0</b>	<b>119,3</b>	<b>121,4</b>	<b>118,0</b>	<b>127,7</b>	<b>117,5</b>	<b>123,9</b>	<b>123,5</b>

1/ Preliminary.

**Table 4b - Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)**

**Base 2000 = 100**

Manufacturing divisions and major groups	Weights	Year 2006	Indices			Seasonally adjusted indices		
			March 2006	1/ March 2007	Percentage difference between March 2006 and March 2007	February 2007	March 2007	Percentage difference between February and March 2007
<b>Food and beverages</b>	16,4	119,7	123,9	119,9	-3,2	123,3	117,0	-5,1
-Meat, fish, fruit etc.	2,6	124,5	140,4	144,8	+3,1	129,0	130,8	+1,4
-Dairy products	1,1	110,4	110,1	121,8	+10,6	114,9	117,6	+2,3
-Grain mill products	1,5	124,3	130,6	133,2	+2,0	134,5	130,6	-2,9
-Other food products	6,8	110,4	104,5	89,6	-14,3	107,9	98,5	-8,7
-Beverages	4,3	132,3	145,9	147,3	+1,0	142,3	132,9	-6,6
<b>Textiles, clothing, leather and footwear</b>	5,4	99,8	106,1	106,2	+0,1	102,1	98,8	-3,2
-Textiles	1,2	80,6	84,2	84,1	-0,1	85,9	76,3	-11,2
-Other textile products	1,2	120,5	131,9	128,5	-2,6	120,7	117,7	-2,5
-Knitted, crocheted articles	0,3	80,7	87,7	88,6	+1,0	83,3	80,7	-3,1
-Wearing apparel	2,0	106,7	110,8	113,2	+2,2	108,7	107,4	-1,2
-Leather and leather products	0,3	98,2	111,8	113,1	+1,2	98,3	98,7	+0,4
-Footwear	0,4	82,2	85,9	85,1	-0,9	84,9	85,3	+0,5
<b>Wood and wood products, paper, publishing and printing</b>	11,0	116,1	115,1	121,7	+5,7	118,9	120,2	+1,1
-Sawmilling and planing of wood	0,7	118,3	125,0	135,8	+8,6	119,0	123,1	+3,4
-Products of wood	1,0	130,5	123,6	138,1	+11,7	126,9	138,2	+8,9
-Paper and paper products	4,8	112,6	108,3	113,7	+5,0	114,5	114,3	-0,2
-Publishing	2,4	120,1	117,0	129,0	+10,3	127,2	128,2	+0,8
-Printing, recorded media	2,1	111,8	120,9	119,2	-1,4	115,5	115,0	-0,4
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	115,7	117,6	123,2	+4,8	120,6	120,9	+0,2
-Coke, petroleum products and nuclear fuel	9,1	95,0	106,1	93,8	-11,6	96,9	90,8	-6,3
-Basic chemicals	4,0	125,4	113,2	138,0	+21,9	138,1	143,1	+3,6
-Other chemical products	5,4	130,6	133,5	144,4	+8,2	137,3	139,0	+1,2
-Rubber products	1,1	89,6	93,5	97,4	+4,2	88,9	93,5	+5,2
-Plastic products	3,0	149,5	139,4	165,1	+18,4	152,2	161,6	+6,2
-Glass and non-metallic mineral products	3,9	130,4	123,9	146,0	+17,8	139,8	147,7	+5,7
-Glass and glass products	1,1	150,7	132,2	166,6	+26,0	163,1	176,6	+8,3
-Non-metallic mineral products	2,9	122,9	120,8	138,4	+14,6	131,1	137,0	+4,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	120,7	121,4	134,7	+11,0	126,3	128,0	+1,3
-Basic iron and steel products	5,5	111,7	105,9	125,0	+18,0	115,3	121,0	+4,9
-Non-ferrous metal products	4,7	119,3	125,4	124,8	-0,5	116,0	119,1	+2,7
-Structural metal products	1,3	123,8	125,8	136,8	+8,7	134,9	132,3	-1,9
-Other fabricated metal products	4,2	123,9	127,0	145,6	+14,6	137,7	138,2	+0,4
-General purpose machinery	2,4	112,3	109,7	121,6	+10,8	117,6	118,9	+1,1
-Special purpose machinery	3,2	134,7	135,7	159,2	+17,3	143,9	141,1	-1,9
-Household appliances	1,2	134,4	142,2	138,7	-2,5	139,3	137,4	-1,4
-Electrical machinery	2,7	104,9	101,8	108,7	+6,8	103,6	104,0	+0,4
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	109,7	116,0	116,8	+0,7	112,2	113,4	+1,1
-Radio, television and communication apparatus	0,7	96,3	95,3	101,3	+6,3	92,9	99,7	+7,3
-Professional equipment	0,6	123,4	137,0	132,6	-3,2	131,8	127,2	-3,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	145,5	152,1	157,3	+3,4	149,3	149,8	+0,3
-Motor vehicles	4,1	149,0	154,0	155,1	+0,7	153,8	150,9	-1,9
-Bodies for motor vehicles, trailers and semi-trailers	0,4	188,8	186,9	225,4	+20,6	217,3	216,9	-0,2
-Parts and accessories	3,1	151,3	160,1	165,8	+3,6	150,7	157,3	+4,4
-Other transport equipment	1,0	96,2	106,0	114,3	+7,8	100,8	96,5	-4,3
<b>Furniture and other manufacturing division</b>	5,8	113,2	118,0	125,7	+6,5	122,3	119,8	-2,0
-Furniture	1,6	142,9	137,7	134,3	-2,5	143,8	137,0	-4,7
-Other manufacturing groups	4,2	102,0	110,6	122,5	+10,8	114,2	113,4	-0,7
<b>Total</b>	<b>100,0</b>	<b>119,3</b>	<b>121,4</b>	<b>127,7</b>	<b>+5,2</b>	<b>123,9</b>	<b>123,5</b>	<b>-0,3</b>

1/ Preliminary.

**Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000)**

Month	2001	2002	2003	2004	2005	2006	2007
Jan	41 332 917	48 600 027	53 384 436	54 087 849	56 926 654	63 027 398	1/ 76 259 807
Feb	47 874 247	56 818 912	60 881 876	63 110 685	65 565 940	70 108 041	1/ 87 459 852
Mar	52 608 434	60 472 620	63 316 690	68 614 939	69 819 744	77 815 087	1/ 93 875 560
Apr	46 203 182	60 877 645	59 232 782	61 834 608	68 571 415	69 777 363	
May	50 552 878	63 156 595	60 804 311	67 456 958	70 514 406	78 323 968	
Jun	52 406 074	61 624 691	61 395 291	67 184 752	71 804 551	81 545 917	
Jul	50 312 376	63 357 520	61 954 528	67 776 226	72 023 115	82 648 424	
Aug	50 354 970	64 807 330	62 002 082	68 542 440	74 351 047	86 169 273	
Sep	51 467 372	67 204 918	63 496 302	71 584 850	77 072 274	88 144 475	
Oct	58 975 926	71 567 676	68 034 682	74 142 435	77 081 000	93 234 438	
Nov	60 234 047	72 016 317	66 843 411	76 371 998	80 516 878	96 482 644	
Dec	51 201 599	57 550 291	56 685 863	62 523 603	68 656 468	77 433 039	
Year	613 524 022	748 054 542	738 032 254	803 231 343	852 903 492	964 710 067	

1/ Preliminary.

**Table 6 - Percentage change in the value of sales of the manufacturing industry: Total**

	2001	2002	2003	2004	2005	2006	2007
Jan	-	+17,6	+9,8	+1,3	+5,2	+10,7	+21,0
Feb	-	+18,7	+7,2	+3,7	+3,9	+6,9	+24,8
Mar	-	+14,9	+4,7	+8,4	+1,8	+11,5	+20,6
Apr	-	+31,8	-2,7	+4,4	+10,9	+1,8	
May	-	+24,9	-3,7	+10,9	+4,5	+11,1	
Jun	-	+17,6	-0,4	+9,4	+6,9	+13,6	
Jul	-	+25,9	-2,2	+9,4	+6,3	+14,8	
Aug	-	+28,7	-4,3	+10,5	+8,5	+15,9	
Sep	-	+30,6	-5,5	+12,7	+7,7	+14,4	
Oct	-	+21,4	-4,9	+9,0	+4,0	+21,0	
Nov	-	+19,6	-7,2	+14,3	+5,4	+19,8	
Dec	-	+12,4	-1,5	+10,3	+9,8	+12,8	
Year	-	+21,9	-1,3	+8,8	+6,2	+13,1	

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 7 – Total seasonally adjusted sales of the manufacturing industry (R '000)**

Month	2001	2002	2003	2004	2005	2006	2007
Jan.	49 115 706	57 657 597	63 266 433	63 950 588	67 336 007	74 474 387	89 830 803
Feb.	49 270 194	58 471 904	62 870 020	65 517 363	68 265 209	73 193 615	91 555 970
Mar.	50 499 870	58 292 004	61 404 177	66 912 884	68 112 085	76 061 223	91 867 139
Apr.	48 977 246	64 597 427	62 597 282	65 092 513	72 436 580	73 886 415	.
May	50 251 656	62 728 375	60 423 441	67 099 575	70 274 626	78 098 493	.
Jun.	51 440 389	60 702 981	60 740 146	66 586 836	71 169 221	80 781 168	.
Jul.	50 405 390	63 310 064	61 785 811	67 270 995	71 326 854	81 779 354	.
Aug.	49 539 265	63 644 833	60 779 752	66 920 516	72 359 314	83 735 099	.
Sept.	49 678 102	64 628 715	60 725 903	68 123 866	72 996 563	83 297 797	.
Oct.	53 639 340	65 269 443	62 069 425	67 746 820	70 497 268	85 510 855	.
Nov.	54 160 305	64 893 543	60 109 528	68 722 987	72 125 795	86 692 093	.
Dec.	55 376 081	62 580 324	61 877 455	68 239 441	75 259 789	85 321 741	.

**Table 8a - Sales of manufactured products according to manufacturing divisions and major groups (R'000)**

Manufacturing divisions and major groups	Year 2006	Actual values			Seasonally adjusted values		
		March 2006	1/ February 2007	1/ March 2007	March 2006	February 2007	March 2007
<b>Food and beverages</b>	165 867 256	13 643 441	14 529 720	15 191 090	13 483 401	15 359 388	14 996 745
-Meat, fish, fruit etc.	37 530 297	3 137 885	3 228 088	3 728 809	3 027 356	3 563 517	3 589 848
-Dairy products	14 565 753	1 241 516	1 218 250	1 348 490	1 184 927	1 292 755	1 287 041
-Grain mill products	27 919 368	2 336 216	2 431 971	2 797 155	2 313 625	2 659 068	2 773 651
-Other food products	41 657 271	3 321 226	3 314 683	3 262 780	3 464 205	3 603 877	3 403 391
-Beverages	44 194 567	3 606 598	4 336 728	4 053 856	3 493 289	4 240 172	3 942 815
<b>Textiles, clothing, leather and footwear</b>	39 190 825	3 504 795	3 346 223	3 702 548	3 261 646	3 410 770	3 445 447
-Textiles	6 532 754	610 432	558 775	641 857	548 994	556 038	576 218
-Other textile products	10 386 013	921 278	885 013	998 037	853 987	900 115	926 314
-Knitted, crocheted articles	1 671 893	151 244	143 021	167 834	136 547	144 455	151 108
-Wearing apparel	13 688 663	1 198 936	1 170 655	1 257 344	1 131 865	1 199 526	1 187 299
-Leather and leather products	4 370 166	412 235	388 736	420 837	377 385	385 718	384 596
-Footwear	2 541 336	210 670	200 023	216 639	212 867	224 918	219 911
<b>Wood and wood products, paper, publishing and printing</b>	85 640 009	6 961 522	7 273 821	7 835 513	6 835 283	7 721 409	7 706 841
-Sawmilling and planing of wood	4 838 456	380 930	428 251	472 582	366 406	437 024	457 261
-Products of wood	13 396 221	1 043 426	1 111 469	1 231 915	1 042 024	1 185 521	1 231 380
-Paper and paper products	37 847 135	3 084 677	3 049 195	3 363 290	3 009 842	3 326 031	3 291 537
-Publishing	13 327 119	1 044 581	1 298 657	1 282 482	1 049 888	1 322 835	1 287 755
-Printing, recorded media	16 231 078	1 407 908	1 386 249	1 485 244	1 367 124	1 449 998	1 438 908
<b>Petroleum, chemical products, rubber and plastic products</b>	196 519 432	15 690 907	17 538 607	19 116 833	15 688 668	18 894 445	19 125 012
-Coke, petroleum products and nuclear fuel	71 375 299	5 706 722	6 667 603	6 961 372	5 804 551	7 307 874	7 064 942
-Basic chemicals	39 877 968	3 010 049	3 302 204	3 745 873	3 168 305	3 633 541	3 948 246
-Other chemical products	49 909 576	4 184 950	4 260 931	4 856 340	3 993 039	4 570 341	4 637 333
-Rubber products	9 064 433	769 776	861 638	911 939	726 603	828 030	857 045
-Plastic products	26 292 156	2 019 410	2 446 231	2 641 309	1 996 169	2 554 659	2 617 446
<b>Glass and non-metallic mineral products</b>	28 951 881	2 313 428	2 412 963	2 842 397	2 340 871	2 633 417	2 882 135
-Glass and glass products	5 374 982	380 415	447 749	519 600	427 309	475 730	583 362
-Non-metallic mineral products	23 576 899	1 933 013	1 965 214	2 322 797	1 913 563	2 157 687	2 298 773
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	203 631 640	15 482 715	18 890 682	20 637 529	14 938 019	20 033 634	20 008 623
-Basic iron and steel products	75 907 775	4 934 226	7 594 490	7 698 289	4 950 825	8 061 458	7 755 998
-Non-ferrous metal products	29 778 484	2 278 626	2 523 559	3 197 661	2 219 892	2 827 940	3 098 349
-Structural metal products	14 559 122	1 234 274	1 246 774	1 391 920	1 172 673	1 399 848	1 336 833
-Other fabricated metal products	33 082 624	2 703 522	3 077 282	3 377 468	2 630 339	3 163 957	3 280 590
-General purpose machinery	19 115 515	1 547 567	1 568 270	1 762 112	1 517 437	1 689 932	1 726 409
-Special purpose machinery	21 358 149	1 930 075	2 036 312	2 310 325	1 603 178	2 014 013	1 924 092
-Household appliances	9 829 971	854 425	843 995	899 754	843 674	876 485	886 352
-Electrical machinery	27 782 862	2 076 537	2 648 971	2 761 903	2 015 261	2 749 169	2 690 382
<b>Radio, television and communication apparatus and professional equipment</b>	12 086 070	1 063 293	1 080 788	1 144 782	1 005 452	1 033 083	1 086 490
-Radio, television and communication apparatus	6 577 681	560 476	569 863	611 509	522 423	524 662	571 933
-Professional equipment	5 508 389	502 817	510 925	533 273	483 028	508 422	514 557
<b>Motor vehicles, parts and accessories and other transport equipment</b>	158 189 267	13 386 727	15 181 388	16 181 288	12 699 137	15 239 676	15 378 746
-Motor vehicles	87 984 526	7 619 698	8 040 988	8 331 400	7 259 439	8 098 601	7 947 386
-Bodies for motor vehicles, trailers and semi-trailers	7 244 015	584 796	700 744	766 208	575 994	739 721	760 302
-Parts and accessories	52 762 814	4 285 727	5 479 388	6 012 882	4 108 160	5 453 716	5 758 380
-Other transport equipment	10 197 912	896 506	960 268	1 070 798	755 544	947 639	912 678
<b>Furniture and other manufacturing division</b>	46 850 825	3 691 722	4 556 689	4 461 677	3 793 484	4 480 979	4 546 719
-Furniture	11 425 040	910 533	910 448	929 667	926 838	976 933	945 889
-Other manufacturing groups	35 425 785	2 781 189	3 646 241	3 532 010	2 866 646	3 504 045	3 600 831
<b>Total</b>	<b>964 710 067</b>	<b>77 815 087</b>	<b>87 459 852</b>	<b>93 875 560</b>	<b>76 061 223</b>	<b>91 555 970</b>	<b>91 867 139</b>

1/ Preliminary.

**Table 8b - Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)**

Manufacturing divisions and major groups	Year 2006	Value of sales			Seasonally adjusted value of sales		
		March 2006	1/ March 2007	Percentage change between March 2006 and March 2007	February 2007	March 2007	Percentage change between February 2007 and March 2007
<b>Food and beverages</b>	165 867 256	13 643 441	15 191 090	+11,3	15 359 388	14 996 745	-2,4
-Meat, fish, fruit etc.	37 530 297	3 137 885	3 728 809	+18,8	3 563 517	3 589 848	+0,7
-Dairy products	14 565 753	1 241 516	1 348 490	+8,6	1 292 755	1 287 041	-0,4
-Grain mill products	27 919 368	2 336 216	2 797 155	+19,7	2 659 068	2 773 651	+4,3
-Other food products	41 657 271	3 321 226	3 262 780	-1,8	3 603 877	3 403 391	-5,6
-Beverages	44 194 567	3 606 598	4 053 856	+12,4	4 240 172	3 942 815	-7,0
<b>Textiles, clothing, leather and footwear</b>	39 190 825	3 504 795	3 702 548	+5,6	3 410 770	3 445 447	+1,0
-Textiles	6 532 754	610 432	641 857	+5,1	556 038	576 218	+3,6
-Other textile products	10 386 013	921 278	998 037	+8,3	900 115	926 314	+2,9
-Knitted, crocheted articles	1 671 893	151 244	167 834	+11,0	144 455	151 108	+4,6
-Wearing apparel	13 688 663	1 198 936	1 257 344	+4,9	1 199 526	1 187 299	-1,0
-Leather and leather products	4 370 166	412 235	420 837	+2,1	385 718	384 596	-0,3
-Footwear	2 541 336	210 670	216 639	+2,8	224 918	219 911	-2,2
<b>Wood and wood products, paper, publishing and printing</b>	85 640 009	6 961 522	7 835 513	+12,6	7 721 409	7 706 841	-0,2
-Sawmilling and planing of wood	4 838 456	380 930	472 582	+24,1	437 024	457 261	+4,6
-Products of wood	13 396 221	1 043 426	1 231 915	+18,1	1 185 521	1 231 380	+3,9
-Paper and paper products	37 847 135	3 084 677	3 363 290	+9,0	3 326 031	3 291 537	-1,0
-Publishing	13 327 119	1 044 581	1 282 482	+22,8	1 322 835	1 287 755	-2,7
-Printing, recorded media	16 231 078	1 407 908	1 485 244	+5,5	1 449 998	1 438 908	-0,8
<b>Petroleum, chemical products, rubber and plastic products</b>	196 519 432	15 690 907	19 116 833	+21,8	18 894 445	19 125 012	+1,2
-Coke, petroleum products and nuclear fuel	71 375 299	5 706 722	6 961 372	+22,0	7 307 874	7 064 942	-3,3
-Basic chemicals	39 877 968	3 010 049	3 745 873	+24,4	3 633 541	3 948 246	+8,7
-Other chemical products	49 909 576	4 184 950	4 856 340	+16,0	4 570 341	4 637 333	+1,5
-Rubber products	9 064 433	769 776	911 939	+18,5	828 030	857 045	+3,5
-Plastic products	26 292 156	2 019 410	2 641 309	+30,8	2 554 659	2 617 446	+2,5
<b>Glass and non-metallic mineral products</b>	28 951 881	2 313 428	2 842 397	+22,9	2 633 417	2 882 135	+9,4
-Glass and glass products	5 374 982	380 415	519 600	+36,6	475 730	583 362	+22,6
-Non-metallic mineral products	23 576 899	1 933 013	2 322 797	+20,2	2 157 687	2 298 773	+6,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	203 631 640	15 482 715	20 637 529	+33,3	20 033 634	20 008 623	-0,1
-Basic iron and steel products	75 907 775	4 934 226	7 698 289	+56,0	8 061 458	7 755 998	-3,8
-Non-ferrous metal products	29 778 484	2 278 626	3 197 661	+40,3	2 827 940	3 098 349	+9,6
-Structural metal products	14 559 122	1 234 274	1 391 920	+12,8	1 399 848	1 336 833	-4,5
-Other fabricated metal products	33 082 624	2 703 522	3 377 468	+24,9	3 163 957	3 280 590	+3,7
-General purpose machinery	19 115 515	1 547 567	1 762 112	+13,9	1 689 932	1 726 409	+2,2
-Special purpose machinery	21 358 149	1 930 075	2 310 325	+19,7	2 014 013	1 924 092	-4,5
-Household appliances	9 829 971	854 425	899 754	+5,3	876 485	886 352	+1,1
<b>Electrical machinery</b>	27 782 862	2 076 537	2 761 903	+33,0	2 749 169	2 690 382	-2,1
<b>Radio, television and communication apparatus and professional equipment</b>	12 086 070	1 063 293	1 144 782	+7,7	1 033 083	1 086 490	+5,2
-Radio, television and communication apparatus	6 577 681	560 476	611 509	+9,1	524 662	571 933	+9,0
-Professional equipment	5 508 389	502 817	533 273	+6,1	508 422	514 557	+1,2
<b>Motor vehicles, parts and accessories and other transport equipment</b>	158 189 267	13 386 727	16 181 288	+20,9	15 239 676	15 378 746	+0,9
-Motor vehicles	87 984 526	7 619 698	8 331 400	+9,3	8 098 601	7 947 386	-1,9
-Bodies for motor vehicles, trailers and semi-trailers	7 244 015	584 796	766 208	+31,0	739 721	760 302	+2,8
-Parts and accessories	52 762 814	4 285 727	6 012 882	+40,3	5 453 716	5 758 380	+5,6
-Other transport equipment	10 197 912	896 506	1 070 798	+19,4	947 639	912 678	-3,7
<b>Furniture and other manufacturing division</b>	46 850 825	3 691 722	4 461 677	+20,9	4 480 979	4 546 719	+1,5
-Furniture	11 425 040	910 533	929 667	+2,1	976 933	945 889	-3,2
-Other manufacturing groups	35 425 785	2 781 189	3 532 010	+27,0	3 504 045	3 600 831	+2,8
<b>Total</b>	<b>964 710 067</b>	<b>77 815 087</b>	<b>93 875 560</b>	<b>+20,6</b>	<b>91 555 970</b>	<b>91 867 139</b>	<b>+0,3</b>

1/ Preliminary.

**Table 9 - 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 2006	January to March 2007	Annual percentage change between January to March 2006 and January to March 2007	January to March 2006	January to March 2007	Annual percentage change between January to March 2006 and January to March 2007
<b>Food and beverages</b>	16,4	110,1	113,4	+3,0	37 355 340	43 233 839	+15,7
-Meat, fish, fruit etc.	2,6	123,8	131,1	+5,9	8 405 638	10 103 072	+20,2
-Dairy products	1,1	106,7	116,0	+8,7	3 427 237	3 857 304	+12,5
-Grain mill products	1,5	119,4	127,9	+7,1	6 327 486	7 725 053	+22,1
-Other food products	6,8	86,3	84,2	-2,4	8 928 483	9 556 449	+7,0
-Beverages	4,3	136,9	143,0	+4,5	10 266 496	11 991 961	+16,8
<b>Textiles, clothing, leather and footwear</b>	5,4	91,5	93,0	+1,6	8 926 645	9 520 548	+6,7
-Textiles	1,2	76,7	76,7	-0,0	1 541 808	1 601 097	+3,8
-Other textile products	1,2	110,6	110,2	-0,4	2 329 503	2 560 135	+9,9
-Knitted, crocheted articles	0,3	75,5	80,0	+6,0	380 819	422 971	+11,1
-Wearing apparel	2,0	95,0	98,6	+3,8	3 003 602	3 222 910	+7,3
-Leather and leather products	0,3	101,9	99,8	-2,1	1 137 316	1 164 559	+2,4
-Footwear	0,4	70,4	72,5	+3,0	533 597	548 876	+2,9
<b>Wood and wood products, paper, publishing and printing</b>	11,0	106,9	112,5	+5,2	19 077 011	21 542 761	+12,9
-Sawmilling and planing of wood	0,7	111,3	120,8	+8,5	1 060 500	1 280 752	+20,8
-Products of wood	1,0	113,9	120,3	+5,6	2 818 902	3 215 355	+14,1
-Paper and paper products	4,8	102,8	107,1	+4,2	8 496 303	9 330 319	+9,8
-Publishing	2,4	112,1	121,6	+8,5	2 994 729	3 664 467	+22,4
-Printing, recorded media	2,1	105,1	108,0	+2,8	3 706 577	4 051 868	+9,3
<b>Petroleum, chemical products, rubber and plastic products</b>	22,5	109,4	116,3	+6,3	42 526 770	53 036 556	+24,7
-Coke, petroleum products and nuclear fuel	9,1	101,1	94,4	-6,6	15 340 380	19 974 131	+30,2
-Basic chemicals	4,0	107,9	130,3	+20,8	8 444 016	10 528 663	+24,7
-Other chemical products	5,4	119,3	129,6	+8,6	11 161 348	12 937 009	+15,9
-Rubber products	1,1	84,0	89,0	+6,0	2 020 465	2 402 421	+18,9
-Plastic products	3,0	128,6	150,9	+17,3	5 560 561	7 194 332	+29,4
<b>Glass and non-metallic mineral products</b>	3,9	115,1	127,2	+10,5	6 269 093	7 300 062	+16,4
-Glass and glass products	1,1	130,9	150,8	+15,2	1 116 846	1 352 412	+21,1
-Non-metallic mineral products	2,9	109,3	118,5	+8,4	5 152 247	5 947 650	+15,4
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	22,4	112,6	123,0	+9,2	42 499 892	56 381 343	+32,7
-Basic iron and steel products	5,5	105,3	117,4	+11,5	14 595 699	22 477 781	+54,0
-Non-ferrous metal products	4,7	117,2	116,1	-0,9	5 993 604	8 228 388	+37,3
-Structural metal products	1,3	109,4	121,2	+10,8	3 160 910	3 690 390	+16,8
-Other fabricated metal products	4,2	111,4	128,9	+15,7	7 195 140	8 804 851	+22,4
-General purpose machinery	2,4	99,0	109,1	+10,2	4 212 970	4 736 619	+12,4
-Special purpose machinery	3,2	127,0	143,5	+13,0	5 040 139	5 997 987	+19,0
-Household appliances	1,2	127,9	129,9	+1,6	2 301 430	2 445 327	+6,3
-Electrical machinery	2,7	92,4	96,3	+4,2	5 554 982	7 422 830	+33,6
<b>Radio, television and communication apparatus and professional equipment</b>	1,3	106,0	111,5	+5,2	2 879 762	3 131 782	+8,8
-Radio, television and communication apparatus	0,7	83,8	95,4	+13,8	1 458 902	1 639 105	+12,4
-Professional equipment	0,6	128,4	127,8	-0,5	1 420 860	1 492 677	+5,1
<b>Motor vehicles, parts and accessories and other transport equipment</b>	8,6	139,7	145,4	+4,1	35 639 652	43 540 757	+22,2
-Motor vehicles	4,1	139,6	143,7	+2,9	19 795 254	22 551 476	+13,9
-Bodies for motor vehicles, trailers and semi-trailers	0,4	164,7	205,5	+24,8	1 474 883	1 934 857	+31,2
-Parts and accessories	3,1	152,1	154,0	+1,2	12 051 378	16 167 196	+34,2
-Other transport equipment	1,0	91,5	103,3	+12,9	2 318 137	2 887 228	+24,5
<b>Furniture and other manufacturing division</b>	5,8	105,0	112,5	+7,1	10 221 379	12 484 741	+22,1
-Furniture	1,6	116,8	120,4	+3,1	2 269 573	2 478 582	+9,2
-Other manufacturing groups	4,2	100,6	109,6	+8,9	7 951 806	10 006 159	+25,8
<b>Total</b>	<b>100,0</b>	<b>111,1</b>	<b>117,8</b>	<b>+6,0</b>	<b>210 950 526</b>	<b>257 595 219</b>	<b>+22,1</b>

## Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the new business register, with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
  - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2000. Both estimated and seasonally adjusted figures are presented.
  - 3 In order to improve timeliness, some 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.
  - 4 As indicated earlier, Stats SA is continuously upgrading its new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
    - the manufacturing, processing, making or packing of products;
    - the slaughtering of animals, including poultry; and
    - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. 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.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for March 2007 was 85,9%. Improved response rate for February 2007 was 89,9%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.



**Survey methodology and design**

- 11 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 100 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.
- 12 The value of sales of manufactured products is obtained monthly from the sample of 3 081 enterprises, which was drawn in April 2006 from a population then of 48 653 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that major group to reflect the total value of sales of the major group.
- 13 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 14 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

**Weighting methodology**

- 15 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at [www.statssa.gov.za/publications/publicationsearch.asp](http://www.statssa.gov.za/publications/publicationsearch.asp).
- 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2007, 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 2007).

**Seasonal adjustment**

- 17 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**                    **18** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates**      **19** Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 20** Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Revised figures**                    **21** Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications**            **22** Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
  - *SA Statistics* issued annually.
- Rounding of figures**            **23** The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy**                **24** Stats SA's pre-release policy may be inspected at its website, [www.statssa.gov.za](http://www.statssa.gov.za)
- Symbols and abbreviations**    **25**
- |          |                                                               |
|----------|---------------------------------------------------------------|
| 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**

**26 Neyman optimal allocation**

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

where  $N_h$  and  $S_h$  are the stratum population size and the stratum variance, respectively.

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	102 000 000
Large	102 000 001	

## 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>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
<b>Intermediate consumption</b>	Intermediate consumption includes - <ul style="list-style-type: none"><li>• purchases and transfers-in of materials;</li><li>• payments to other establishments for work done;</li><li>• other direct factory costs;</li><li>• rent and leasing paid;</li><li>• head office charges;</li><li>• royalties, copyright, trade names and patent rights paid;</li><li>• advertising;</li><li>• insurance premiums;</li><li>• services; and</li><li>• secretarial and administrative fees.</li></ul>
<b>Output</b>	Output is the aggregate value of goods manufactured and work done and includes - <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>Turnover</b>	Turnover refers to - <ul style="list-style-type: none"><li>• the value of sales and transfers out of all own manufactured products/articles;</li><li>• amounts received for work done; and</li></ul>

- 
- amounts received for services rendered.

Turnover excludes -

- value-added tax (VAT);
- export freight charges; and
- excise duty.

### **Weight**

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights need to be calculated from time to time.

**Table 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 - 2007	Weights according to the 1996 census of manufacturing 1996 - 2000
<b>Food and beverages</b>	<b>16,4</b>	<b>15,3</b>
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
<b>Textiles, clothing, leather and footwear</b>	<b>5,4</b>	<b>7,8</b>
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
<b>Wood and wood products, paper, publishing and printing</b>	<b>11,0</b>	<b>11,4</b>
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
<b>Petroleum, chemical products, rubber and plastic products</b>	<b>22,5</b>	<b>19,3</b>
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
<b>Glass and non-metallic mineral products</b>	<b>3,9</b>	<b>4,5</b>
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
<b>Basic iron and steel, non-ferrous metal products, metal products and machinery</b>	<b>22,4</b>	<b>23,6</b>
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
<b>Electrical machinery</b>	<b>2,7</b>	<b>3,4</b>
<b>Radio, television and communication apparatus and professional equipment</b>	<b>1,3</b>	<b>1,5</b>
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
<b>Motor vehicles, parts and accessories and other transport equipment</b>	<b>8,6</b>	<b>9,1</b>
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
<b>Other manufacturing divisions</b>	<b>5,8</b>	<b>4,1</b>
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
<b>Total</b>	<b>100,0</b>	<b>100,0</b>

## General information

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