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# Statistical release

## P3041.2

# Manufacturing: Production and sales (Preliminary)

August 2006

Embargoed until:  
11 October 2006  
13:00

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User information services  
Tel. (012) 310 8600/8390/8351

**Forthcoming issue:**

September 2006

**Expected release date**

9 November 2006

Statistics South Africa • Mbalo-mbalo ya Afrika Tshipembe • Tinhlayo-tiko ta Afrika-Dzonga • Dipalopalo tsa Aforika Borwa • Ezezibalo zaseNingizimu Afrika  
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## SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

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

Estimates	August 2006	% change between August 2005 and August 2006	% change between June to August 2005 and June to August 2006	% change between January to August 2005 and January to August 2006
Physical volume of manufacturing production index (2000=100)	123,2	+4,2	+5,4	+4,6
Total value of sales of manufactured products (R million)	85 657	+15,2	+14,5	+10,8

Seasonally adjusted estimates	August 2006	% change between July and August 2006	% change between March to May 2006 and June to August 2006
Physical volume of manufacturing production index (2000=100)	119,2	-0,7	+2,2
Total value of sales of manufactured products (R million)	83 200	+1,8	+7,9

### Key findings regarding manufacturing production and sales for August 2006

#### Manufacturing production increases

*The estimated manufacturing production for the first eight months of 2006 increased by 4,6% compared with the first eight months of 2005. Higher production levels were reported by nine of the ten manufacturing divisions. In addition, the estimated seasonally adjusted manufacturing production for the three months ended August 2006 increased by 2,2% compared with the previous three months, which is higher than the growth of 0,7% reported during the same period in 2005. Higher production levels were reported by nine of the ten manufacturing divisions for the three months ended August 2006 compared with the previous three months after seasonally adjustment. However, during this period, low production by the petroleum industry, due to maintenance of machinery, has limited the extent of growth in the manufacturing industry results.*

The manufacturing divisions with the largest contribution to the year on year increase between January to August 2005 and January to August 2006, were the motor vehicles, parts and accessories and transport equipment division (contributing +1,4 percentage points), the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +1,3 percentage points) and the wood products, paper, publishing and printing division (contributing +0,6 of a percentage point) (see Table 8).

The major contributors to the seasonally adjusted increase of 2,2% in total manufacturing production for the three months ended August 2006 compared with the previous three months were the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +0,9 of a percentage point), the wood and wood products, paper, publishing and printing (contributing +0,4 of a percentage point), the motor vehicles, parts and accessories and transport equipment division (contributing +0,3 of a percentage point) and the furniture and 'other' manufacturing divisions (contributing +0,3 of a percentage point) (see Table B).

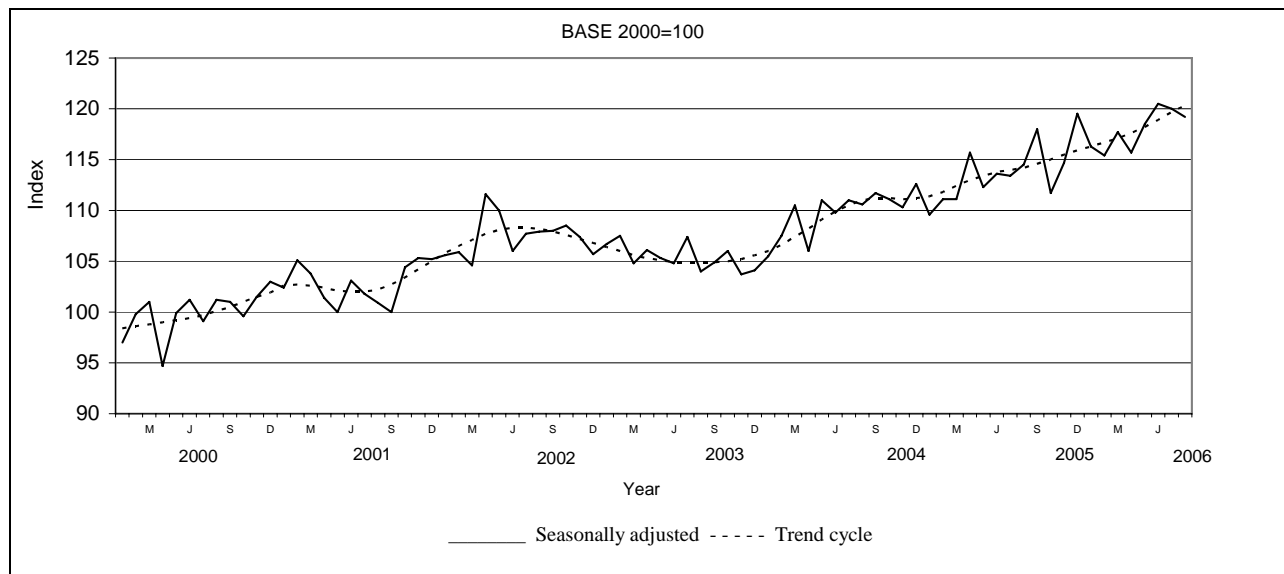
**Table B - Contribution of manufacturing divisions and major groups to the total of seasonally adjusted manufacturing production**  
(Base 2000=100)

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 March to May 2006	Average seasonally adjusted production index for June to August 2006	Quarterly percentage change of June to August 2006 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production
					1/
Food and beverages	16,4	121,5	120,6	-0,7	-0,1
Food and food products	12,1	117,8	116,0	-1,5	-0,2
Beverages	4,3	132,2	133,7	+1,1	+0,0
Textiles, clothing, leather and footwear	5,4	98,1	100,5	+2,4	+0,1
Textiles	2,4	95,1	101,1	+6,3	+0,2
Wearing apparel	2,3	103,4	104,0	+0,6	+0,0
Leather and leather products	0,3	100,7	99,8	-0,9	-0,0
Footwear	0,4	86,0	80,8	-6,0	-0,0
Wood, paper, publish and printing	11,0	113,3	117,4	+3,6	+0,4
Wood and products of wood	1,7	122,4	130,4	+6,5	+0,1
Paper and paper products	4,8	110,2	113,3	+2,8	+0,1
Publishing and printing	4,6	112,9	116,6	+3,3	+0,2
Petroleum, chemical products, rubber and plastic products	22,5	113,5	113,6	+0,1	+0,0
Coke, petroleum products and nuclear fuel	9,1	98,9	87,5	-11,5	-1,0
Basic chemicals	4,0	118,4	127,2	+7,4	+0,3
Other chemical products	5,4	126,4	130,8	+3,5	+0,2
Rubber products	1,1	87,5	92,2	+5,4	+0,1
Plastic products	3,0	138,5	152,9	+10,4	+0,3
Glass and non-metallic mineral products	3,9	127,1	131,8	+3,7	+0,1
Glass and glass products	1,1	145,8	150,7	+3,4	+0,0
Non-metallic mineral products	2,9	120,1	124,8	+3,9	+0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	117,7	122,2	+3,8	+0,9
Basic iron and steel products	5,5	105,8	118,2	+11,7	+0,6
Basic precious, non-ferrous metal products	4,7	121,1	117,2	-3,2	-0,2
Fabricated metal products	5,5	119,4	126,2	+5,7	+0,3
Machinery and equipment	6,7	124,1	125,6	+1,2	+0,1
Electrical machinery	2,7	99,6	107,6	+8,0	+0,2
Radio, television and communication apparatus and professional equipment	1,3	107,9	112,4	+4,2	+0,1
Radio, television and communication apparatus	0,7	94,8	106,6	+12,4	+0,1
Professional equipment	0,6	121,2	118,3	-2,4	-0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	143,2	147,7	+3,1	+0,3
Motor vehicles, trailers, parts and accessories	7,6	150,0	153,5	+2,3	+0,2
Other transport equipment	1,0	91,4	103,3	+13,0	+0,1
Furniture and other manufacturing division	5,8	108,6	114,2	+5,2	+0,3
Furniture	1,6	139,8	141,6	+1,3	+0,0
Other manufacturing groups	4,2	96,9	103,9	+7,2	+0,3
<b>Total</b>	<b>100,0</b>	<b>117,3</b>	<b>119,9</b>	<b>+2,2</b>	<b>+2,2</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 2000 and August 2006. The trend series has been rising since mid-2003 to September 2004, moving sideways up to December 2004 and resuming its upward trend in 2005 and 2006.

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



**Sales of manufactured products increase**

***The estimated total value of sales of manufactured products at current prices for the three months ended August 2006 increased by 7,9% (+R17 951 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by all ten manufacturing divisions during this period (see Table C).***

The seasonally adjusted increase of 7,9% in the total value of sales of manufactured products at current prices for the three months ended August 2006 compared with the previous three months was mainly due to increases reported for basic iron and steel, non-ferrous metal products, metal products and machinery division (+13,9% or +R6 425 million), electrical machinery division (+12,4% or +R775 million), furniture and ‘other’ manufacturing divisions (+9,0% or +R996 million), motor vehicles, parts and accessories and other transport equipment division (+8,0% or +R2 964 million), petroleum, chemical products, rubber and plastic products division (+7,0% or +R3 271 million), wood and wood products, paper, publishing and printing division (+6,1% or +R1 264 million) and food and beverages division (+4,1% or +R1 655 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 March to May 2006	Seasonally adjusted sales June to August 2006	Percentage change between March to May 2006 and June to August 2006	Difference in seasonally adjusted sales of manufacturing divisions between March to May 2006 and June to August 2006
	R'000	R'000		R'000
Food and beverages	40 303 125	41 958 273	+4,1	1 655 148
Food and food products	29 767 008	30 618 434	+2,9	851 426
Beverages	10 536 115	11 339 839	+7,6	803 724
Textiles, clothing, leather and footwear	9 731 083	9 952 127	+2,3	221 044
Textiles	4 105 167	4 322 296	+5,3	217 129
Wearing apparel	3 841 793	3 884 650	+1,1	42 857
Leather and leather products	1 150 643	1 114 245	-3,2	-36 398
Footwear	633 483	630 936	-0,4	-2 547
Wood,paper,publish and printing	20 578 649	21 842 185	+6,1	1 263 536
Wood and products of wood	4 290 287	4 772 946	+11,3	482 659
Paper and paper products	9 108 473	9 638 071	+5,8	529 598
Publishing and printing	7 179 889	7 431 168	+3,5	251 279
Petroleum, chemical products, rubber and plastic products	46 502 604	49 773 635	+7,0	3 271 031
Coke, petroleum products and nuclear fuel	16 927 192	18 111 690	+7,0	1 184 498
Basic chemicals	9 282 525	10 263 917	+10,6	981 392
Other chemical products	12 000 990	12 453 213	+3,8	452 223
Rubber products	2 161 141	2 313 769	+7,1	152 628
Plastic products	6 130 759	6 631 046	+8,2	500 287
Glass and non-metallic mineral products	7 085 640	7 268 920	+2,6	183 280
Glass and glass products	1 319 114	1 309 838	-0,7	-9 276
Non-metallic mineral products	5 766 527	5 959 081	+3,3	192 554
Basic iron and steel, non-ferrous metal products, metal products and machinery	46 058 912	52 483 929	+13,9	6 425 017
Basic iron and steel products	15 490 942	19 919 936	+28,6	4 428 994
Basic precious, non-ferrous metal products	7 091 181	7 979 299	+12,5	888 118
Fabricated metal products	11 312 470	12 104 644	+7,0	792 174
Machinery and equipment	12 164 320	12 480 050	+2,6	315 730
Electrical machinery	6 241 423	7 016 418	+12,4	774 995
Radio, television and communication apparatus and professional equipment	2 908 702	3 105 716	+6,8	197 014
Radio, television and communication apparatus	1 613 798	1 736 563	+7,6	122 765
Professional equipment	1 294 904	1 369 153	+5,7	74 249
Motor vehicles, parts and accessories and other transport equipment	37 196 467	40 160 905	+8,0	2 964 438
Motor vehicles, trailers, parts and accessories	34 869 794	37 448 851	+7,4	2 579 057
Other transport equipment	2 326 674	2 712 053	+16,6	385 379
Furniture and other manufacturing division	11 082 588	12 078 406	+9,0	995 818
Furniture	2 771 040	2 800 286	+1,1	29 246
Other manufacturing groups	8 311 548	9 278 120	+11,6	966 572
<b>Total</b>	<b>227 689 193</b>	<b>245 640 514</b>	<b>+7,9</b>	<b>17 951 321</b>

**The value of sales of manufactured products at current prices for the three months ended August 2006 was 14,5% (R31 594 million) higher than for the three months ended August 2005 (see Table D).**

The major contributors to the increase of 14,5% in sales of manufactured products at current prices for the three months ended August 2006 compared with the three months ended August 2005 were the basic iron and steel, non-ferrous metal products, metal products and machinery (+3,9 percentage points or +R8 564 million), petroleum, chemical products, rubber and plastic products (+3,0 percentage points or +R6 488 million), the motor vehicles, parts and accessories and other transport equipment (+2,8 percentage points or +R6 177 million), food and beverages (+1,8 percentage points or +R3 812 million), wood and wood products, paper, publishing and printing (+1,1 percentage points or +R2 413 million), electrical machinery (+0,7 of a percentage point or +R1 489 million) and furniture and 'other manufacturing' divisions (+0,6 of a percentage point or +R1 419 million) divisions (see Table D).

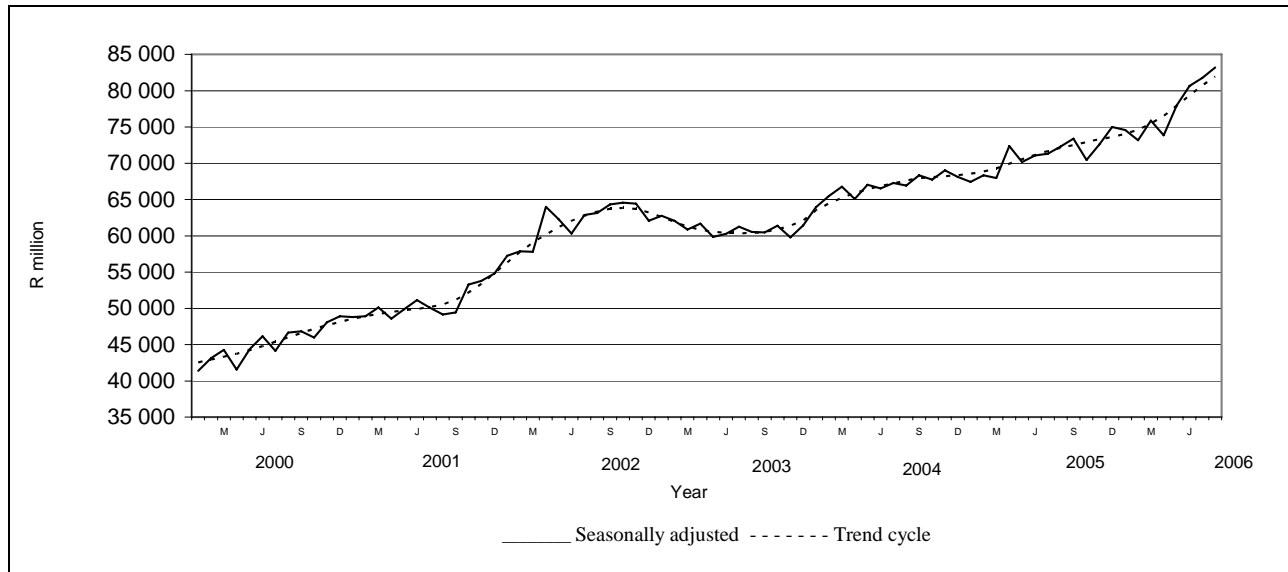
**Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices**

Manufacturing divisions and major groups	Percentage contribution of sales of manufactured products June to August 2005	Percentage change between June to August 2005 and June to August 2006	Contribution (percentage points) to the change in value of manufactured products 1/	Difference in sales of manufacturing divisions between June to August 2005 and June to August 2006
				R'000
Food and beverages	17,0	+10,3	+1,8	3 811 678
Food and food products	12,7	+10,6	+1,3	2 930 385
Beverages	4,3	+9,4	+0,4	881 293
Textiles, clothing, leather and footwear	4,4	+6,1	+0,3	580 172
Textiles	1,9	+8,7	+0,2	355 065
Wearing apparel	1,7	+5,7	+0,1	208 486
Leather and leather products	0,5	+0,1	+0,0	823
Footwear	0,3	+2,5	+0,0	15 798
Wood, paper, publish and printing	9,0	+12,3	+1,1	2 412 866
Wood and products of wood	2,0	+15,4	+0,3	659 398
Paper and paper products	4,1	+10,8	+0,4	955 754
Publishing and printing	3,0	+12,4	+0,4	797 714
Petroleum, chemical products, rubber and plastic products	20,3	+14,7	+3,0	6 487 903
Coke, petroleum products and nuclear fuel	7,2	+20,6	+1,5	3 247 376
Basic chemicals	4,1	+13,3	+0,5	1 202 669
Other chemical products	5,3	+7,8	+0,4	898 190
Rubber products	1,1	+5,0	+0,1	114 527
Plastic products	2,6	+18,1	+0,5	1 025 141
Glass and non-metallic mineral products	3,2	+9,9	+0,3	696 028
Glass and glass products	0,6	+7,1	+0,0	90 021
Non-metallic mineral products	2,6	+10,5	+0,3	606 007
Basic iron and steel, non-ferrous metal products, metal products and machinery	20,6	+19,0	+3,9	8 564 187
Basic iron and steel products	7,3	+27,1	+2,0	4 313 778
Basic precious, non-ferrous metal products	2,8	+30,2	+0,8	1 829 619
Fabricated metal products	5,0	+15,7	+0,8	1 722 599
Machinery and equipment	5,5	+5,8	+0,3	698 191
Electrical machinery	2,7	+25,5	+0,7	1 488 836
Radio, television and communication apparatus and professional equipment	1,4	-1,4	-0,0	-43 405
Radio, television and communication apparatus	0,7	+4,0	+0,0	65 206
Professional equipment	0,7	-7,3	-0,1	-108 611
Motor vehicles, parts and accessories and other transport equipment	16,5	+17,1	+2,8	6 177 097
Motor vehicles, trailers, parts and accessories	15,5	+16,8	+2,6	5 676 848
Other transport equipment	1,0	+22,5	+0,2	500 249
Furniture and other manufacturing division	4,9	+13,2	+0,6	1 418 968
Furniture	1,2	+10,5	+0,1	275 843
Other manufacturing groups	3,7	+14,1	+0,5	1 143 125
<b>Total</b>	<b>100,0</b>	<b>+14,5</b>	<b>+14,5</b>	<b>31 594 330</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 August 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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Detailed results: Tables

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

Month	2000	2001	2002	2003	2004	2005	2006
Actual indices							
J	85,2	91,1	93,7	94,4	93,1	96,2	101,7
F	98,7	102,7	103,6	104,3	103,6	106,3	110,1
M	104,8	106,8	108,2	108,4	114,1	114,9	121,4
A	89,0	95,3	104,4	100,0	100,3	109,2	109,2
M	99,9	100,2	110,3	105,7	111,6	112,8	118,9
J	102,1	104,0	106,7	105,3	110,5	114,3	1/ 121,3
J	100,1	102,8	108,8	108,7	113,0	115,5	1/ 122,3
A	102,5	102,3	109,8	106,3	113,7	118,2	1/ 123,2
S	104,8	103,1	111,4	108,7	116,0	122,9	
O	109,8	114,9	119,6	116,7	122,5	123,2	
N	113,6	117,6	119,8	114,9	122,3	127,1	
D	89,5	92,5	92,7	91,5	99,0	104,6	
Year	100,0	102,8	107,4	105,4	110,0	113,8	
Seasonally adjusted indices							
J	97,1	102,6	105,9	107,1	105,5	109,6	116,3
F	99,8	105,1	105,9	107,7	107,5	111,1	115,4
M	100,9	103,7	104,6	104,8	110,5	111,1	117,7
A	94,7	101,6	111,8	106,5	106,0	115,7	115,7
M	99,9	100,0	110,0	105,3	111,0	112,3	118,5
J	101,2	103,1	105,9	104,7	109,8	113,6	120,5
J	99,0	101,6	107,4	107,1	111,0	113,4	120,0
A	101,3	100,9	107,8	103,9	110,6	114,5	119,2
S	101,0	99,9	108,0	104,8	111,7	118,0	
O	99,5	104,3	108,6	105,9	111,1	111,7	
N	101,5	105,3	107,6	103,8	110,3	114,7	
D	102,9	105,0	105,4	103,4	112,6	119,5	

1/ Preliminary.

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

Month	2000	2001	2002	2003	2004	2005	2006
J	.	+6,9	+2,9	+0,7	-1,4	+3,3	+5,7
F	.	+4,1	+0,9	+0,7	-0,7	+2,6	+3,6
M	.	+1,9	+1,3	+0,2	+5,3	+0,7	+5,7
A	.	+7,1	+9,5	-4,2	+0,3	+8,9	0,0
M	.	+0,3	+10,1	-4,2	+5,6	+1,1	+5,4
J	.	+1,9	+2,6	-1,3	+4,9	+3,4	+6,1
J	.	+2,7	+5,8	-0,1	+4,0	+2,2	+5,9
A	.	-0,2	+7,3	-3,2	+7,0	+4,0	+4,2
S	.	-1,6	+8,1	-2,4	+6,7	+5,9	
O	.	+4,6	+4,1	-2,4	+5,0	+0,6	
N	.	+3,5	+1,9	-4,1	+6,4	+3,9	
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	Year 2005	Indices			Seasonally adjusted indices		
			August 2005	1/	1/	August 2005	July 2006	August 2006
				July	August			
				2006				
Food and beverages	16,4	118,7	122,4	119,4	125,8	119,7	120,8	122,3
Meat, fish, fruit etc.	2,6	127,7	122,8	123,9	124,6	125,7	129,3	127,3
Dairy products	1,1	103,3	105,2	103,7	107,9	106,1	110,0	109,4
Grain mill products	1,5	123,4	129,1	125,0	125,5	125,4	123,3	121,8
Other food products	6,8	106,6	121,8	119,7	131,1	108,4	110,7	115,4
Beverages	4,3	134,5	125,2	118,2	122,9	135,5	133,7	134,0
Textiles, clothing, leather and footwear	5,4	97,9	102,7	102,5	105,2	97,5	98,6	100,1
Textiles	1,2	81,3	82,5	81,2	80,9	77,6	74,8	76,4
Other textile products	1,2	117,0	117,0	130,1	120,2	117,2	124,9	121,0
Knitted, crocheted articles	0,3	77,4	79,4	76,4	84,5	76,8	72,6	81,7
Wearing apparel	2,0	103,9	113,4	108,9	117,6	105,2	107,7	109,2
Leather and leather products	0,3	100,0	100,8	92,1	103,9	98,9	93,7	102,6
Footwear	0,4	79,4	90,2	86,2	92,5	79,7	76,5	81,2
Wood and wood products, paper, publishing and printing	11,0	109,0	111,9	118,1	119,2	111,6	119,5	118,9
Sawmilling and planing of wood	0,7	113,1	115,7	123,8	124,6	112,2	120,9	121,0
Products of wood	1,0	124,6	134,3	141,1	140,2	130,9	140,4	136,9
Paper and paper products	4,8	104,1	108,9	117,7	115,9	109,9	116,3	116,5
Publishing	2,4	107,4	109,9	116,2	121,2	107,1	121,9	118,2
Printing, recorded media	2,1	113,1	109,1	108,5	112,9	111,3	113,6	115,8
Petroleum, chemical products, rubber and plastic products	22,5	113,3	118,3	117,5	111,2	116,2	115,0	109,1
Coke, petroleum products, and nuclear fuel	9,1	103,1	109,8	94,8	74,1	107,8	91,7	72,7
Basic chemicals	4,0	113,5	123,5	128,1	133,8	118,8	127,4	128,1
Other chemical products	5,4	125,6	124,7	130,0	131,9	125,3	128,0	132,5
Rubber products	1,1	94,3	98,9	98,3	102,0	94,0	92,4	96,2
Plastic products	3,0	129,2	133,1	157,6	160,9	130,8	155,1	158,0
Glass and non-metallic mineral products	3,9	122,9	135,2	138,7	140,1	126,9	133,5	131,0
Glass and glass products	1,1	137,9	154,7	152,1	150,4	148,1	153,6	143,3
Non-metallic mineral products	2,9	117,3	127,9	133,7	136,3	119,0	126,0	126,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	114,6	125,9	125,0	110,6	123,7	121,2
Basic iron and steel products	5,5	103,7	96,0	123,4	113,2	97,5	125,0	115,3
Non-ferrous metal products	4,7	109,9	114,0	120,2	120,3	110,4	117,9	116,5
Structural metal products	1,3	116,0	117,6	137,6	134,9	112,5	130,2	130,6
Other fabricated metal product	4,2	112,6	122,0	132,7	128,7	116,7	123,8	123,3
General purpose machinery	2,4	114,3	113,4	112,7	119,8	111,1	112,8	116,9
Special purpose machinery	3,2	130,7	133,6	132,1	141,5	122,3	130,6	130,8
Household appliances	1,2	120,5	128,5	132,2	142,4	119,1	135,0	132,3
Electrical machinery	2,7	97,7	100,6	113,2	114,1	94,5	109,7	107,2
Radio, television and communication apparatus and professional equipment	1,3	113,4	110,8	108,7	111,1	115,4	109,5	116,7
Radio, television and communication apparatus	0,7	92,7	91,1	100,3	100,9	101,5	103,7	113,2
Professional equipment	0,6	134,4	130,7	117,3	121,5	129,6	115,4	120,3
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	143,7	152,4	163,6	131,4	145,4	148,5
Motor vehicles	4,1	129,3	152,0	157,5	177,9	133,4	144,3	155,4
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	166,1	201,6	210,1	160,5	188,0	201,7
Parts and accessories	3,1	135,8	148,3	156,3	160,8	138,0	155,6	148,7
Other transport equipment	1,0	91,7	86,6	100,2	95,2	91,4	101,5	99,3
Other manufacturing divisions	5,8	107,4	106,1	112,9	115,3	105,2	104,3	114,7
Furniture	1,6	132,6	141,3	145,3	146,4	135,9	140,3	140,3
Other manufacturing groups	4,2	97,9	92,8	100,8	103,6	93,6	90,8	105,0
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>118,2</b>	<b>122,3</b>	<b>123,2</b>	<b>114,5</b>	<b>120,0</b>	<b>119,2</b>

1/ Preliminary.

**Table 3b - 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 2005	Indices			Seasonally adjusted indices		
			August 2005	1/ August 2006	Percentage difference between August 2005 and August 2006	July 2006	August 2006	Percentage difference between July and August 2006
Food and beverages	16,4	118,7	122,4	125,8	+2,8	120,8	122,3	+1,2
Meat, fish, fruit etc.	2,6	127,7	122,8	124,6	+1,5	129,3	127,3	-1,5
Dairy products	1,1	103,3	105,2	107,9	+2,6	110,0	109,4	-0,5
Grain mill products	1,5	123,4	129,1	125,5	-2,8	123,3	121,8	-1,2
Other food products	6,8	106,6	121,8	131,1	+7,6	110,7	115,4	+4,2
Beverages	4,3	134,5	125,2	122,9	-1,8	133,7	134,0	+0,2
Textiles, clothing, leather and footwear	5,4	97,9	102,7	105,2	+2,4	98,6	100,1	+1,5
Textiles	1,2	81,3	82,5	80,9	-1,9	74,8	76,4	+2,1
Other textile products	1,2	117,0	117,0	120,2	+2,7	124,9	121,0	-3,1
Knitted, crocheted articles	0,3	77,4	79,4	84,5	+6,4	72,6	81,7	+12,5
Wearing apparel	2,0	103,9	113,4	117,6	+3,7	107,7	109,2	+1,4
Leather and leather products	0,3	100,0	100,8	103,9	+3,1	93,7	102,6	+9,5
Footwear	0,4	79,4	90,2	92,5	+2,5	76,5	81,2	+6,1
Wood and wood products, paper, publishing and printing	11,0	109,0	111,9	119,2	+6,5	119,5	118,9	-0,5
Sawmilling and planing of wood	0,7	113,1	115,7	124,6	+7,7	120,9	121,0	+0,1
Products of wood	1,0	124,6	134,3	140,2	+4,4	140,4	136,9	-2,5
Paper and paper products	4,8	104,1	108,9	115,9	+6,4	116,3	116,5	+0,2
Publishing	2,4	107,4	109,9	121,2	+10,3	121,9	118,2	-3,0
Printing, recorded media	2,1	113,1	109,1	112,9	+3,5	113,6	115,8	+1,9
Petroleum, chemical products, rubber and plastic products	22,5	113,3	118,3	111,2	-6,0	115,0	109,1	-5,1
Coke, petroleum products and nuclear fuel	9,1	103,1	109,8	74,1	-32,5	91,7	72,7	-20,7
Basic chemicals	4,0	113,5	123,5	133,8	+8,3	127,4	128,1	+0,5
Other chemical products	5,4	125,6	124,7	131,9	+5,8	128,0	132,5	+3,5
Rubber products	1,1	94,3	98,9	102,0	+3,1	92,4	96,2	+4,1
Plastic products	3,0	129,2	133,1	160,9	+20,9	155,1	158,0	+1,9
Glass and non-metallic mineral products	3,9	122,9	135,2	140,1	+3,6	133,5	131,0	-1,9
Glass and glass products	1,1	137,9	154,7	150,4	-2,8	153,6	143,3	-6,7
Non-metallic mineral products	2,9	117,3	127,9	136,3	+6,6	126,0	126,4	+0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,1	114,6	125,0	+9,1	123,7	121,2	-2,0
Basic iron and steel products	5,5	103,7	96,0	113,2	+17,9	125,0	115,3	-7,8
Non-ferrous metal products	4,7	109,9	114,0	120,3	+5,5	117,9	116,5	-1,2
Structural metal products	1,3	116,0	117,6	134,9	+14,7	130,2	130,6	+0,3
Other fabricated metal product	4,2	112,6	122,0	128,7	+5,5	123,8	123,3	-0,4
General purpose machinery	2,4	114,3	113,4	119,8	+5,6	112,8	116,9	+3,6
Special purpose machinery	3,2	130,7	133,6	141,5	+5,9	130,6	130,8	+0,2
Household appliances	1,2	120,5	128,5	142,4	+10,8	135,0	132,3	-2,0
Electrical machinery	2,7	97,7	100,6	114,1	+13,4	109,7	107,2	-2,3
Radio, television and communication apparatus and professional equipment	1,3	113,4	110,8	111,1	+0,3	109,5	116,7	+6,6
Radio, television and communication apparatus	0,7	92,7	91,1	100,9	+10,8	103,7	113,2	+9,2
Professional equipment	0,6	134,4	130,7	121,5	-7,0	115,4	120,3	+4,2
Motor vehicles, parts and accessories and other transport equipment	8,6	128,5	143,7	163,6	+13,8	145,4	148,5	+2,1
Motor vehicles	4,1	129,3	152,0	177,9	+17,0	144,3	155,4	+7,7
Bodies for motor vehicles, trailers and semi-trailers	0,4	156,0	166,1	210,1	+26,5	188,0	201,7	+7,3
Parts and accessories	3,1	135,8	148,3	160,8	+8,4	155,6	148,7	-4,4
Other transport equipment	1,0	91,7	86,6	95,2	+9,9	101,5	99,3	-2,2
Other manufacturing divisions	5,8	107,4	106,1	115,3	+8,7	104,3	114,7	+10,0
Furniture	1,6	132,6	141,3	146,4	+3,6	140,3	140,3	-0,0
Other manufacturing groups	4,2	97,9	92,8	103,6	+11,6	90,8	105,0	+15,6
<b>Total</b>	<b>100,0</b>	<b>113,8</b>	<b>118,2</b>	<b>123,2</b>	<b>+4,2</b>	<b>120,0</b>	<b>119,2</b>	<b>-0,7</b>

1/ Preliminary.

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

Month	2000	2001	2002	2003	2004	2005	2006
Actual values							
J	34 719 192	41 332 917	48 600 027	53 384 436	54 087 849	56 926 654	63 027 398
F	42 323 820	47 874 247	56 818 912	60 881 876	63 110 685	65 565 940	70 108 041
M	46 649 559	52 608 434	60 472 620	63 316 690	68 614 939	69 819 744	77 815 087
A	39 608 354	46 203 182	60 877 645	59 232 782	61 834 608	68 571 415	69 780 643
M	44 950 317	50 552 878	63 156 595	60 804 311	67 456 958	70 514 406	78 328 203
J	47 472 917	52 406 074	61 624 691	61 395 291	67 184 752	71 804 551	1/ 81 531 069
J	44 369 400	50 312 376	63 357 520	61 954 528	67 776 226	72 023 115	1/ 82 584 877
A	47 678 646	50 354 970	64 807 330	62 002 082	68 542 440	74 351 047	1/ 85 657 097
S	48 854 175	51 467 372	67 204 918	63 496 302	71 584 850	77 072 274	
O	51 100 083	58 975 926	71 567 676	68 034 682	74 142 435	77 081 000	
N	53 863 473	60 234 047	72 016 317	66 843 411	76 371 998	80 516 878	
D	45 204 955	51 201 599	57 550 291	56 685 863	62 523 603	68 656 468	
Year	546 794 891	613 524 022	748 054 542	738 032 254	803 231 343	852 903 492	
Seasonally adjusted values							
J	41 714 016	49 120 206	57 657 203	63 263 901	63 938 828	67 403 174	74 580 249
F	43 501 247	49 264 451	58 461 475	62 850 443	65 486 324	68 310 201	73 176 023
M	44 640 379	50 474 939	58 253 172	61 346 051	66 761 951	67 957 669	75 861 337
A	41 952 823	48 981 218	64 597 791	62 595 510	65 086 206	72 371 829	73 838 483
M	44 773 630	50 238 405	62 695 139	60 383 529	67 030 564	70 147 098	77 989 373
J	46 496 725	51 434 347	60 692 383	60 723 546	66 521 224	71 057 195	80 676 315
J	44 501 089	50 407 940	63 305 319	61 810 182	67 273 784	71 320 954	81 764 587
A	46 933 770	49 545 801	63 674 748	60 831 914	66 909 677	72 299 170	83 199 612
S	47 169 193	49 722 110	64 727 483	60 823 549	68 334 648	73 392 689	
O	46 370 954	53 630 108	65 236 372	62 025 917	67 754 671	70 455 939	
N	48 471 380	54 191 450	64 972 949	60 222 536	69 010 176	72 563 537	
D	49 259 224	55 358 233	62 571 613	61 808 980	68 099 598	75 003 423	

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

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					
		August		1/ July		1/ August		August		July		August	
		2005		2006		2006		2005		2006		2006	
Food and beverages	153 032 441	12 568 226	13 250 157	14 008 818	12 745 427	13 702 095	14 208 274						
Meat, fish, fruit etc.	34 786 013	2 872 507	3 089 336	3 245 706	2 896 009	3 149 053	3 272 604						
Dairy products	13 192 926	1 109 600	1 128 567	1 207 574	1 127 547	1 196 082	1 228 076						
Grain mill products	26 035 220	2 214 807	2 362 213	2 347 877	2 191 703	2 327 018	2 318 640						
Other food products	37 791 892	3 197 652	3 321 997	3 727 582	3 090 397	3 322 757	3 596 151						
Beverages	41 226 390	3 173 660	3 348 044	3 480 079	3 439 771	3 707 185	3 792 804						
Textiles, clothing, leather and footwear	38 032 591	3 252 921	3 253 710	3 458 057	3 109 865	3 214 492	3 319 494						
Textiles	6 538 509	547 645	536 579	546 668	517 478	507 023	518 422						
Other textile products	9 807 159	803 982	908 260	902 692	796 477	885 044	900 259						
Knitted, crocheted articles	1 588 645	130 488	130 167	142 986	124 925	125 213	136 828						
Wearing apparel	13 247 430	1 180 186	1 119 054	1 251 464	1 113 503	1 138 500	1 182 443						
Leather and leather products	4 438 623	374 188	344 904	384 871	360 683	353 434	372 566						
Footwear	2 412 225	216 432	214 746	229 376	196 799	205 278	208 976						
Wood and wood products, paper, publishing and printing	77 468 984	6 657 008	7 341 847	7 432 645	6 666 037	7 431 391	7 438 302						
Sawmilling and planing of wood	4 257 285	375 121	426 959	443 696	377 010	438 571	446 282						
Products of wood	11 928 740	1 086 804	1 155 719	1 235 496	1 051 738	1 126 494	1 195 549						
Paper and paper products	34 231 634	2 949 523	3 367 954	3 254 882	2 993 022	3 362 714	3 293 117						
Publishing	11 434 977	981 997	1 084 680	1 127 739	962 324	1 137 519	1 103 336						
Printing, recorded media	15 616 348	1 263 563	1 306 535	1 370 832	1 281 943	1 366 093	1 400 018						
Petroleum, chemical products, rubber and plastic products	170 482 601	15 180 600	16 963 752	17 610 847	14 623 909	16 518 970	16 947 930						
Coke, petroleum products, and nuclear fuel	57 819 072	5 760 662	6 542 503	6 651 104	5 211 320	6 192 828	5 984 745						
Basic chemicals	34 720 759	2 913 271	3 303 947	3 558 937	2 949 087	3 297 778	3 606 912						
Other chemical products	46 275 887	3 786 298	4 093 654	4 199 495	3 821 208	4 060 508	4 251 928						
Rubber products	8 974 492	761 919	782 158	860 984	735 306	755 613	826 481						
Plastic products	22 692 391	1 958 450	2 241 490	2 340 327	1 906 988	2 212 243	2 277 864						
Glass and non-metallic mineral products	26 163 917	2 428 296	2 577 944	2 591 379	2 267 690	2 443 844	2 417 978						
Glass and glass products	4 800 302	450 280	436 543	470 257	414 929	437 602	431 829						
Non-metallic mineral products	21 363 615	1 978 016	2 141 401	2 121 122	1 852 760	2 006 242	1 986 149						
Basic iron and steel, non-ferrous metal products, metal products and machinery	177 797 495	15 097 534	17 869 977	18 325 539	14 585 061	18 031 068	17 729 438						
Basic iron and steel products	63 182 407	5 238 401	6 892 656	6 967 157	5 067 237	7 140 131	6 751 761						
Non-ferrous metal products	24 235 170	2 061 811	2 691 962	2 639 874	2 099 268	2 783 980	2 674 483						
Structural metal products	13 402 419	1 140 293	1 310 455	1 335 667	1 062 666	1 244 463	1 261 678						
Other fabricated metal product	29 122 891	2 581 534	2 887 030	2 914 172	2 453 749	2 773 899	2 772 961						
General purpose machinery	19 178 824	1 579 077	1 580 510	1 701 239	1 556 438	1 572 192	1 664 636						
Special purpose machinery	20 090 260	1 717 113	1 718 769	1 887 832	1 633 268	1 714 047	1 797 774						
Household appliances	8 585 524	779 305	788 595	879 598	712 435	802 356	806 145						
Electrical machinery	22 539 304	1 953 179	2 402 553	2 570 344	1 854 384	2 312 361	2 418 017						
Radio, television and communication apparatus and professional equipment	12 025 153	994 302	979 429	1 023 181	1 042 276	1 034 358	1 075 182						
Radio, television and communication apparatus	6 184 880	520 454	536 564	561 410	558 050	585 079	601 110						
Professional equipment	5 840 273	473 848	442 865	461 771	484 226	449 279	474 072						
Motor vehicles, parts and accessories and other transport equipment	133 643 837	12 620 621	14 050 167	14 398 897	11 838 888	13 331 354	13 445 727						
Motor vehicles	74 634 781	7 319 508	8 185 062	8 274 885	6 694 039	7 485 387	7 529 150						
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	555 532	639 838	665 217	561 303	650 177	664 496						
Parts and accessories	43 763 552	4 020 343	4 339 237	4 596 495	3 838 879	4 303 741	4 368 564						
Other transport equipment	9 109 790	725 238	886 030	862 300	744 668	892 048	883 517						
Other manufacturing divisions	41 717 169	3 598 360	3 895 341	4 237 390	3 565 631	3 744 654	4 199 270						
Furniture	10 230 805	911 367	972 373	972 132	871 678	927 685	931 381						
Other manufacturing groups	31 486 364	2 686 993	2 922 968	3 265 258	2 693 953	2 816 969	3 267 890						
Total	852 903 492	74 351 047	82 584 877	85 657 097	72 299 170	81 764 587	83 199 612						

1/ Preliminary.

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

Manufacturing divisions and major groups	Year	Value of sales			Seasonally adjusted value of sales			
		2005	August 2005	1/ August 2006	Percentage change between August 2005 and August 2006	July 2006	August 2006	Percentage change between July and August 2006
Food and beverages	153 032 441	12 568 226	14 008 818	+11,5	13 702 095	14 208 274	+3,7	
Meat, fish, fruit etc.	34 786 013	2 872 507	3 245 706	+13,0	3 149 053	3 272 604	+3,9	
Dairy products	13 192 926	1 109 600	1 207 574	+8,8	1 196 082	1 228 076	+2,7	
Grain mill products	26 035 220	2 214 807	2 347 877	+6,0	2 327 018	2 318 640	-0,4	
Other food products	37 791 892	3 197 652	3 727 582	+16,6	3 322 757	3 596 151	+8,2	
Beverages	41 226 390	3 173 660	3 480 079	+9,7	3 707 185	3 792 804	+2,3	
Textiles, clothing, leather and footwear	38 032 591	3 252 921	3 458 057	+6,3	3 214 492	3 319 494	+3,3	
Textiles	6 538 509	547 645	546 668	-0,2	507 023	518 422	+2,2	
Other textile products	9 807 159	803 982	902 692	+12,3	885 044	900 259	+1,7	
Knitted, crocheted articles	1 588 645	130 488	142 986	+9,6	125 213	136 828	+9,3	
Wearing apparel	13 247 430	1 180 186	1 251 464	+6,0	1 138 500	1 182 443	+3,9	
Leather and leather products	4 438 623	374 188	384 871	+2,9	353 434	372 566	+5,4	
Footwear	2 412 225	216 432	229 376	+6,0	205 278	208 976	+1,8	
Wood and wood products, paper, publishing and printing	77 468 984	6 657 008	7 432 645	+11,7	7 431 391	7 438 302	+0,1	
Sawmilling and planing of wood	4 257 285	375 121	443 696	+18,3	438 571	446 282	+1,8	
Products of wood	11 928 740	1 086 804	1 235 496	+13,7	1 126 494	1 195 549	+6,1	
Paper and paper products	34 231 634	2 949 523	3 254 882	+10,4	3 362 714	3 293 117	-2,1	
Publishing	11 434 977	981 997	1 127 739	+14,8	1 137 519	1 103 336	-3,0	
Printing, recorded media	15 616 348	1 263 563	1 370 832	+8,5	1 366 093	1 400 018	+2,5	
Petroleum, chemical products, rubber and plastic products	170 482 601	15 180 600	17 610 847	+16,0	16 518 970	16 947 930	+2,6	
Coke, petroleum products and nuclear fuel	57 819 072	5 760 662	6 651 104	+15,5	6 192 828	5 984 745	-3,4	
Basic chemicals	34 720 759	2 913 271	3 558 937	+22,2	3 297 778	3 606 912	+9,4	
Other chemical products	46 275 887	3 786 298	4 199 495	+10,9	4 060 508	4 251 928	+4,7	
Rubber products	8 974 492	761 919	860 984	+13,0	755 613	826 481	+9,4	
Plastic products	22 692 391	1 958 450	2 340 327	+19,5	2 212 243	2 277 864	+3,0	
Glass and non-metallic mineral products	26 163 917	2 428 296	2 591 379	+6,7	2 443 844	2 417 978	-1,1	
Glass and glass products	4 800 302	450 280	470 257	+4,4	437 602	431 829	-1,3	
Non-metallic mineral products	21 363 615	1 978 016	2 121 122	+7,2	2 006 242	1 986 149	-1,0	
Basic iron and steel, non-ferrous metal products, metal products and machinery	177 797 495	15 097 534	18 325 539	+21,4	18 031 068	17 729 438	-1,7	
Basic iron and steel products	63 182 407	5 238 401	6 967 157	+33,0	7 140 131	6 751 761	-5,4	
Non-ferrous metal products	24 235 170	2 061 811	2 639 874	+28,0	2 783 980	2 674 483	-3,9	
Structural metal products	13 402 419	1 140 293	1 335 667	+17,1	1 244 463	1 261 678	+1,4	
Other fabricated metal products	29 122 891	2 581 534	2 914 172	+12,9	2 773 899	2 772 961	-0,0	
General purpose machinery	19 178 824	1 579 077	1 701 239	+7,7	1 572 192	1 664 636	+5,9	
Special purpose machinery	20 090 260	1 717 113	1 887 832	+9,9	1 714 047	1 797 774	+4,9	
Household appliances	8 585 524	779 305	879 598	+12,9	802 356	806 145	+0,5	
Electrical machinery	22 539 304	1 953 179	2 570 344	+31,6	2 312 361	2 418 017	+4,6	
Radio, television and communication apparatus and professional equipment	12 025 153	994 302	1 023 181	+2,9	1 034 358	1 075 182	+3,9	
Radio, television and communication apparatus	6 184 880	520 454	561 410	+7,9	585 079	601 110	+2,7	
Professional equipment	5 840 273	473 848	461 771	-2,5	449 279	474 072	+5,5	
Motor vehicles, parts and accessories and other transport equipment	133 643 837	12 620 621	14 398 897	+14,1	13 331 354	13 445 727	+0,9	
Motor vehicles	74 634 781	7 319 508	8 274 885	+13,1	7 485 387	7 529 150	+0,6	
Bodies for motor vehicles, trailers and semi-trailers	6 135 714	555 532	665 217	+19,7	650 177	664 496	+2,2	
Parts and accessories	43 763 552	4 020 343	4 596 495	+14,3	4 303 741	4 368 564	+1,5	
Other transport equipment	9 109 790	725 238	862 300	+18,9	892 048	883 517	-1,0	
Other manufacturing divisions	41 717 169	3 598 360	4 237 390	+17,8	3 744 654	4 199 270	+12,1	
Furniture	10 230 805	911 367	972 132	+6,7	927 685	931 381	+0,4	
Other manufacturing groups	31 486 364	2 686 993	3 265 258	+21,5	2 816 969	3 267 890	+16,0	
<b>Total</b>	<b>852 903 492</b>	<b>74 351 047</b>	<b>85 657 097</b>	<b>+15,2</b>	<b>81 764 587</b>	<b>83 199 612</b>	<b>+1,8</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)		
		June to August 2005	June to August 2006	Annual percentage change between June to August 2005 and June to August 2006	June to August 2005	June to August 2006	Annual percentage change between June to August 2005 and June to August 2006
Food and beverages	16,4	119,3	121,2	+1,6	37 140 938	40 952 616	+10,3
Meat, fish, fruit etc.	2,6	122,7	124,7	+1,6	8 551 907	9 399 585	+9,9
Dairy products	1,1	98,7	104,8	+6,2	3 145 985	3 484 020	+10,7
Grain mill products	1,5	127,0	126,2	-0,6	6 558 901	7 052 206	+7,5
Other food products	6,8	117,9	122,7	+4,1	9 511 265	10 762 632	+13,2
Beverages	4,3	122,1	119,0	-2,5	9 372 880	10 254 173	+9,4
Textiles, clothing, leather and footwear	5,4	99,7	103,4	+3,7	9 490 777	10 070 949	+6,1
Textiles	1,2	83,3	83,7	+0,5	1 668 323	1 680 616	+0,7
Other textile products	1,2	116,8	127,6	+9,2	2 427 264	2 770 036	+14,1
Knitted, crocheted articles	0,3	79,8	80,8	+1,3	396 841	421 519	+6,2
Wearing apparel	2,0	104,9	108,7	+3,6	3 234 884	3 418 692	+5,7
Leather and leather products	0,3	102,0	101,6	-0,4	1 130 547	1 131 370	+0,1
Footwear	0,4	88,5	87,5	-1,1	632 918	648 716	+2,5
Wood and wood products, paper, publishing and printing	11,0	109,3	117,4	+7,4	19 581 039	21 993 905	+12,3
Sawmilling and planing of wood	0,7	115,3	124,0	+7,5	1 098 668	1 292 981	+17,7
Products of wood	1,0	131,3	142,2	+8,3	3 179 047	3 644 132	+14,6
Paper and paper products	4,8	107,7	115,0	+6,8	8 849 933	9 805 687	+10,8
Publishing	2,4	106,1	117,0	+10,3	2 828 456	3 280 233	+16,0
Printing, recorded media	2,1	104,5	109,6	+4,9	3 624 935	3 970 872	+9,5
Petroleum, chemical products, rubber and plastic products	22,5	117,0	115,1	-1,6	44 280 885	50 768 788	+14,7
Coke, petroleum products and nuclear fuel	9,1	110,5	89,6	-18,9	15 770 871	19 018 247	+20,6
Basic chemicals	4,0	118,1	127,9	+8,3	9 054 322	10 256 991	+13,3
Other chemical products	5,4	125,5	131,0	+4,4	11 487 902	12 386 092	+7,8
Rubber products	1,1	93,6	97,6	+4,3	2 302 456	2 416 983	+5,0
Plastic products	3,0	129,2	154,0	+19,2	5 665 334	6 690 475	+18,1
Glass and non-metallic mineral products	3,9	130,8	138,9	+6,2	7 014 434	7 710 462	+9,9
Glass and glass products	1,1	147,3	155,0	+5,2	1 262 571	1 352 592	+7,1
Non-metallic mineral products	2,9	124,6	132,9	+6,7	5 751 863	6 357 870	+10,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	112,8	124,7	+10,5	44 966 858	53 531 045	+19,0
Basic iron and steel products	5,5	97,3	116,6	+19,8	15 894 890	20 208 668	+27,1
Non-ferrous metal products	4,7	112,1	119,0	+6,2	6 063 951	7 893 570	+30,2
Structural metal products	1,3	117,7	135,8	+15,4	3 411 908	3 942 730	+15,6
Other fabricated metal products	4,2	116,5	131,9	+13,2	7 533 024	8 724 801	+15,8
General purpose machinery	2,4	117,6	115,8	-1,5	4 911 720	4 948 417	+0,7
Special purpose machinery	3,2	127,6	136,3	+6,8	4 941 505	5 361 463	+8,5
Household appliances	1,2	122,8	135,3	+10,2	2 209 860	2 451 396	+10,9
Electrical machinery	2,7	101,0	112,5	+11,4	5 844 737	7 333 573	+25,5
Radio, television and communication apparatus and professional equipment	1,3	118,5	111,8	-5,7	3 098 208	3 054 803	-1,4
Radio, television and communication apparatus	0,7	98,8	102,4	+3,6	1 617 556	1 682 762	+4,0
Professional equipment	0,6	138,4	121,3	-12,4	1 480 652	1 372 041	-7,3
Motor vehicles, parts and accessories and other transport equipment	8,6	135,9	155,7	+14,6	36 020 063	42 197 160	+17,1
Motor vehicles	4,1	141,6	164,0	+15,8	20 740 299	23 973 150	+15,6
Bodies for motor vehicles, trailers and semi-trailers	0,4	162,4	200,7	+23,6	1 627 823	1 916 361	+17,7
Parts and accessories	3,1	140,0	156,3	+11,6	11 424 754	13 580 213	+18,9
Other transport equipment	1,0	89,2	102,5	+14,9	2 227 187	2 727 436	+22,5
Other manufacturing divisions	5,8	109,8	116,5	+6,1	10 740 774	12 159 742	+13,2
Furniture	1,6	135,4	145,8	+7,7	2 626 266	2 902 109	+10,5
Other manufacturing groups	4,2	100,1	105,5	+5,4	8 114 508	9 257 633	+14,1
<b>Total</b>	<b>100,0</b>	<b>116,0</b>	<b>122,3</b>	<b>+5,4</b>	<b>218 178 713</b>	<b>249 773 043</b>	<b>+14,5</b>

**Table 8 - Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups**

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Aug. 2005	Jan. to Aug. 2006	Annual percentage change between 2005 and 2006	Contribution (percentage points) 1/	Jan. to Aug. 2005	Jan. to Aug. 2006	Annual percentage change between 2005 and 2006	Difference in sales between 2005 and 2006
Food and beverages	16,4	113,2	115,6	+2,1	+0,3	96 556	104 257	+8,0	+7 701
Meat, fish, fruit etc.	2,6	125,1	124,1	-0,8	-0,0	22 092	23 686	+7,2	+1 594
Dairy products	1,1	97,8	104,9	+7,3	+0,1	8 355	9 208	+10,2	+853
Grain mill products	1,5	120,3	122,9	+2,2	+0,0	17 019	17 864	+5,0	+845
Other food products	6,8	101,6	105,7	+4,0	+0,3	24 030	26 540	+10,4	+2 510
Beverages	4,3	126,0	126,2	+0,2	+0,0	25 061	26 959	+7,6	+1 898
Textiles, clothing, leather and footwear	5,4	97,1	97,3	+0,2	+0,0	24 688	25 408	+2,9	+720
Textiles	1,2	83,0	79,6	-4,1	-0,0	4 392	4 266	-2,9	-126
Other textile products	1,2	115,1	117,8	+2,3	+0,0	6 322	6 782	+7,3	+460
Knitted, crocheted articles	0,3	79,1	79,5	+0,5	+0,0	1 071	1 094	+2,1	+23
Wearing apparel	2,0	101,5	102,3	+0,8	+0,0	8 423	8 649	+2,7	+226
Leather and leather products	0,3	102,7	102,1	-0,6	-0,0	2 973	3 036	+2,1	+63
Footwear	0,4	76,9	79,3	+3,1	+0,0	1 506	1 582	+5,0	+76
Wood and wood products, paper, publishing and printing	11,0	106,0	111,9	+5,6	+0,6	49 784	54 487	+9,4	+4 703
Sawmilling and planing of wood	0,7	112,3	116,5	+3,7	+0,0	2 779	3 123	+12,4	+344
Products of wood	1,0	121,5	127,7	+5,1	+0,1	7 622	8 564	+12,4	+942
Paper and paper products	4,8	101,9	108,7	+6,7	+0,3	22 061	24 124	+9,3	+2 063
Publishing	2,4	101,9	113,5	+11,4	+0,3	7 214	8 288	+14,9	+1 074
Printing, recorded media	2,1	110,4	108,3	-1,9	-0,0	10 107	10 387	+2,8	+280
Petroleum, chemical products, rubber and plastic products	22,5	112,3	112,4	+0,1	+0,0	109 686	123 691	+12,8	+14 005
Coke, petroleum products and nuclear fuel	9,1	106,5	96,4	-9,5	-0,9	37 879	45 672	+20,6	+7 793
Basic chemicals	4,0	109,1	117,2	+7,4	+0,3	22 047	24 540	+11,3	+2 493
Other chemical products	5,4	121,9	124,9	+2,5	+0,1	29 448	31 387	+6,6	+1 939
Rubber products	1,1	98,3	90,1	-8,3	-0,1	6 051	5 858	-3,2	-193
Plastic products	3,0	122,5	141,0	+15,1	+0,5	14 262	16 233	+13,8	+1 971
Glass and non-metallic mineral products	3,9	117,4	126,4	+7,7	+0,3	16 567	18 574	+12,1	+2 007
Glass and glass products	1,1	129,8	141,7	+9,2	+0,1	2 941	3 287	+11,8	+346
Non-metallic mineral products	2,9	112,8	120,7	+7,0	+0,2	13 626	15 288	+12,2	+1 662
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	111,3	117,9	+5,9	+1,3	117 667	126 879	+7,8	+9 212
Basic iron and steel products	5,5	105,4	110,1	+4,5	+0,3	43 706	45 806	+4,8	+2 100
Non-ferrous metal products	4,7	107,1	118,9	+11,0	+0,5	15 541	18 629	+19,9	+3 088
Structural metal products	1,3	113,4	121,3	+7,0	+0,1	8 703	9 349	+7,4	+646
Other fabricated metal products	4,2	110,1	120,3	+9,3	+0,4	18 801	21 091	+12,2	+2 290
General purpose machinery	2,4	113,0	107,2	-5,1	-0,1	12 481	12 156	-2,6	-325
Special purpose machinery	3,2	126,9	128,4	+1,2	+0,0	13 025	13 427	+3,1	+402
Household appliances	1,2	113,4	133,6	+17,8	+0,2	5 411	6 421	+18,7	+1 010
Electrical machinery	2,7	96,2	101,7	+5,7	+0,2	14 546	17 105	+17,6	+2 559
Radio, television and communication apparatus and professional equipment	1,3	108,7	106,8	-1,7	-0,0	7 652	7 743	+1,2	+91
Radio, television and communication apparatus	0,7	87,0	91,1	+4,7	+0,0	3 895	4 124	+5,9	+229
Professional equipment	0,6	130,8	122,7	-6,2	-0,0	3 757	3 619	-3,7	-138
Motor vehicles, parts and accessories and other transport equipment	8,6	125,0	145,5	+16,4	+1,4	85 921	101 218	+17,8	+15 297
Motor vehicles	4,1	124,1	148,5	+19,7	+0,8	47 565	56 503	+18,8	+8 938
Bodies for motor vehicles, trailers and semi-trailers	0,4	143,6	179,0	+24,7	+0,1	3 774	4 484	+18,8	+710
Parts and accessories	3,1	133,6	154,0	+15,3	+0,5	28 357	33 707	+18,9	+5 350
Other transport equipment	1,0	94,7	94,3	-0,4	-0,0	6 225	6 524	+4,8	+299
Other manufacturing divisions	5,8	101,7	107,1	+5,3	+0,3	26 508	29 471	+11,2	+2 963
Furniture	1,6	123,7	132,3	+7,0	+0,1	6 339	6 949	+9,6	+610
Other manufacturing groups	4,2	93,3	97,6	+4,6	+0,2	20 169	22 521	+11,7	+2 352
<b>Total</b>	<b>100,0</b>	<b>110,9</b>	<b>116,0</b>	<b>+4,6</b>	<b>+4,6</b>	<b>549 577</b>	<b>608 832</b>	<b>+10,8</b>	<b>+59 255</b>

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.



## 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 August 2006 was 87,4%. Improved response rate for July 2006 was 90,0%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

- 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 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).
- 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><li>• amounts received for services rendered.</li></ul>

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 - 2006	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>

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