

Manufacturing: Production and sales

October 2005

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Table A - Selected key figures regarding manufacturing production and sales for October 2005

Estimates	October 2005	% change between October 2004 and October 2005	% change between August to October 2004 and August to October 2005	% change between January to October 2004 and January to October 2005
Physical volume of manufacturing production index (2000=100)	122,9	+0,3	+3,2	+3,1
Total value of sales of manufactured products (R million)	76 764	+4,4	+7,0	+6,1

Seasonally adjusted estimates	October 2005	% change between September and October 2005	% change between May to July 2005 and August to October 2005
Physical volume of manufacturing production index (2000=100)	111,8	-4,9	+1,3
Total value of sales of manufactured products (R million)	70 240	-3,9	+1,9

Key findings regarding manufacturing production and sales for October 2005

Manufacturing production increases

The estimated manufacturing production for the three months ended October 2005 increased by 1,3% after seasonal adjustment, compared with the previous three months. Higher production was reported by seven of the ten manufacturing divisions.

The major contributors to the seasonally adjusted increase of 1,3% in total manufacturing production for the three months ended October 2005 compared with the previous three months were the motor vehicles, parts and accessories and other transport equipment division (each contributing +0,4 of a percentage point to the increase in total manufacturing production), followed by the food and beverages division (contributing +0,3 of a percentage point), the wood and wood products, paper, publishing and printing division (contributing +0,3 of a percentage point), the glass and non-metallic mineral products division (contributing +0,2 of a percentage point), the furniture and ‘other’ manufacturing divisions (contributing +0,2 of a percentage point) the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +0,1 of a percentage point) (see table B).

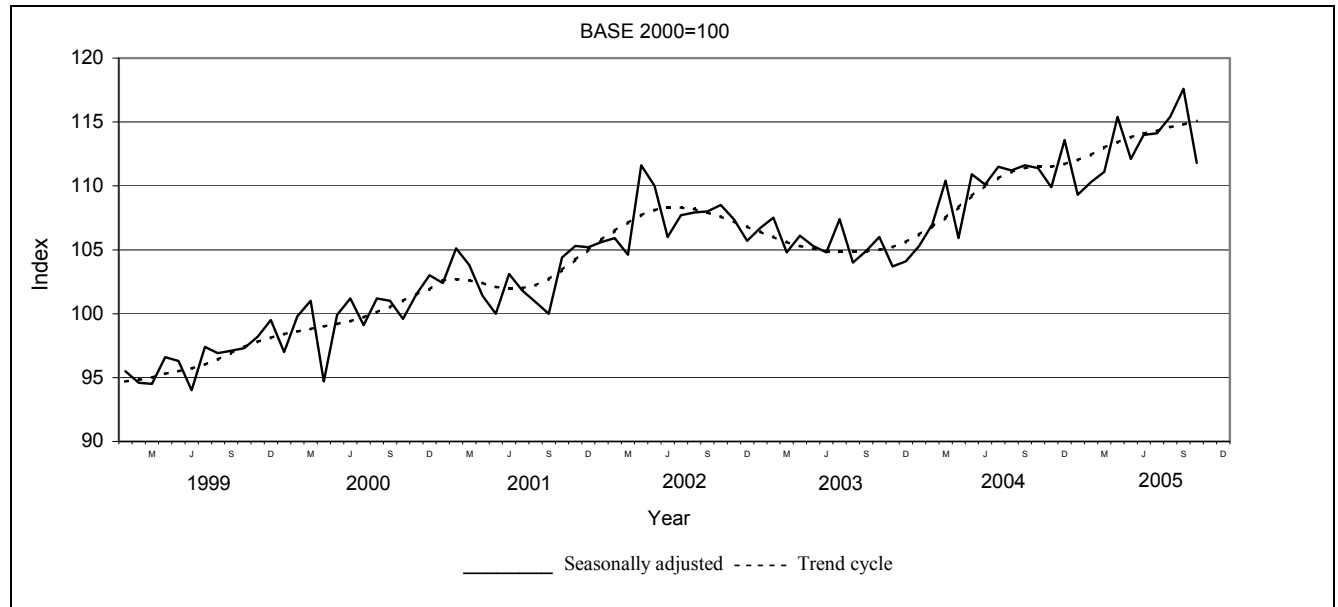
Table B - Contribution of manufacturing divisions and major groups to total manufacturing production (Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for May to July 2005	Average seasonally adjusted production index for August to October 2005	Quarterly percentage change of August to October 2005 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production
Food and beverages	16,4	118,6	120,6	+1,7	+0,3
Food and food products	12,1	113,0	115,6	+2,3	+0,3
Beverages	4,3	134,2	134,9	+0,5	+0,0
Textiles, clothing, leather and footwear	5,4	97,1	96,4	-0,7	-0,0
Textiles	2,4	95,7	97,6	+2,0	+0,0
Wearing apparel	2,3	101,3	98,8	-2,5	-0,1
Leather and leather products	0,3	97,1	94,8	-2,4	-0,0
Footwear	0,4	83,2	78,8	-5,3	-0,0
Wood,paper,publish and printing	11,0	108,2	110,8	+2,4	+0,3
Wood and products of wood	1,7	119,1	121,7	+2,2	+0,0
Paper and paper products	4,8	103,7	108,3	+4,4	+0,2
Publishing and printing	4,6	108,6	109,2	+0,6	+0,0
Petroleum, chemical products, rubber and plastic products	22,5	115,9	115,3	-0,5	-0,1
Coke and refined petroleum products	9,1	109,5	103,9	-5,1	-0,5
Basic chemicals	4,0	117,3	116,8	-0,4	-0,0
Other chemical products	5,4	127,3	127,4	+0,1	+0,0
Rubber products	1,1	88,4	92,5	+4,6	+0,1
Plastic products	3,0	123,9	135,2	+9,1	+0,3
Glass and non-metallic mineral products	3,9	122,1	127,3	+4,3	+0,2
Glass and glass products	1,1	141,2	145,2	+2,8	+0,0
Non-metallic mineral products	2,9	115,0	120,6	+4,9	+0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	111,2	111,8	+0,5	+0,1
Basic iron and steel products	5,5	103,7	94,9	-8,5	-0,5
Basic precious, non-ferrous metal products	4,7	108,7	112,5	+3,5	+0,2
Fabricated metal products	5,5	109,8	113,8	+3,6	+0,2
Machinery and equipment	6,7	120,4	124,1	+3,1	+0,2
Electrical machinery	2,7	98,5	98,0	-0,5	-0,0
Radio, television and communication apparatus and professional equipment	1,3	117,5	119,7	+1,9	+0,0
Radio, television and communication apparatus	0,7	100,8	98,4	-2,4	-0,0
Professional equipment	0,6	134,4	141,4	+5,2	+0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	126,2	131,9	+4,5	+0,4
Motor vehicles, trailers, parts and accessories	7,6	130,5	138,0	+5,7	+0,4
Other transport equipment	1,0	92,9	84,6	-8,9	-0,1
Furniture and other manufacturing division	5,8	103,8	107,9	+3,9	+0,2
Furniture	1,6	127,5	134,1	+5,2	+0,1
Other manufacturing groups	4,2	94,8	98,0	+3,4	+0,1
Total	100,0	113,4	114,9	+1,3	+1,3

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing 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 1999 and October 2005. 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.

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 October 2005 increased by 1,9% (+R4 072 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see table C). The value of sales of manufactured products at current prices for the three months ended October 2005 was 7,0% higher than for the three months ended October 2004 (see table D).

The seasonally adjusted increase of 1,9% in the total value of sales of manufactured products at current prices for the three months ended October 2005 compared with the previous three months was mainly due to increases reported for the motor vehicles, parts and accessories and other transport equipment (+6,2% or +R2 134 million), glass and non-metallic mineral products (+5,6% or +R355 million), wood and wood products, paper, publishing and printing (+4,5% or +R849 million), food and beverages (+2,1% or +R806 million) and petroleum, chemical products, rubber and plastic products (+1,8% or +R770 million) divisions (see table C).

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

Manufacturing divisions and major groups	Seasonally adjusted sales May to July 2005	Seasonally adjusted sales August to October 2005	Percentage change between May to July 2005 and August to October 2005	Difference in seasonally adjusted sales of manufacturing divisions between May to July 2005 and August to October 2005
	R'000	R'000		R'000
Food and beverages	37 768 903	38 575 402	+2,1	806 499
Food and food products	28 053 118	28 620 977	+2,0	567 859
Beverages	9 715 786	9 954 425	+2,5	238 639
Textiles, clothing, leather and footwear	9 513 554	9 556 040	+0,4	42 486
Textiles	4 139 858	4 255 433	+2,8	115 575
Wearing apparel	3 570 952	3 573 720	+0,1	2 768
Leather and leather products	1 109 928	1 087 709	-2,0	-22 219
Footwear	692 815	639 181	-7,7	-53 634
Wood,paper,publish and printing	19 006 093	19 855 281	+4,5	849 188
Wood and products of wood	3 962 677	4 186 957	+5,7	224 280
Paper and paper products	8 272 833	8 733 196	+5,6	460 363
Publishing and printing	6 770 584	6 935 129	+2,4	164 545
Petroleum, chemical products, rubber and plastic products	43 475 627	44 245 215	+1,8	769 588
Coke and refined petroleum products	15 000 692	15 735 242	+4,9	734 550
Basic chemicals	9 369 470	8 824 574	-5,8	-544 896
Other chemical products	11 537 873	11 620 656	+0,7	82 783
Rubber products	2 045 538	2 143 655	+4,8	98 117
Plastic products	5 522 052	5 921 089	+7,2	399 037
Glass and non-metallic mineral products	6 361 299	6 716 145	+5,6	354 846
Glass and glass products	1 148 247	1 180 540	+2,8	32 293
Non-metallic mineral products	5 213 053	5 535 604	+6,2	322 551
Basic iron and steel, non-ferrous metal products, metal products and machinery	43 087 863	41 805 047	-3,0	-1 282 816
Basic iron and steel products	14 943 266	13 022 021	-12,9	-1 921 245
Basic precious, non-ferrous metal products	6 040 276	6 051 229	+0,2	10 953
Fabricated metal products	10 215 999	10 341 077	+1,2	125 078
Machinery and equipment	11 888 324	12 390 718	+4,2	502 394
Electrical machinery	5 014 688	5 153 197	+2,8	138 509
Radio, television and communication apparatus and professional equipment	3 019 348	3 106 180	+2,9	86 832
Radio, television and communication apparatus	1 676 389	1 665 214	-0,7	-11 175
Professional equipment	1 342 958	1 440 967	+7,3	98 009
Motor vehicles, parts and accessories and other transport equipment	34 359 900	36 493 578	+6,2	2 133 678
Motor vehicles, trailers, parts and accessories	32 191 863	34 473 881	+7,1	2 282 018
Other transport equipment	2 168 035	2 019 699	-6,8	-148 336
Furniture and other manufacturing division	9 991 312	10 164 563	+1,7	173 251
Furniture	2 484 896	2 603 512	+4,8	118 616
Other manufacturing groups	7 506 416	7 561 051	+0,7	54 635
Total	211 598 587	215 670 649	+1,9	4 072 062

The major contributors to the increase of 7,0% in sales of manufactured products at current prices for the three months ended October 2005 compared with the three months ended October 2004 were the motor vehicles, parts and accessories and other transport equipment (+2,8 percentage points or +R5 925 million), petroleum chemical products, rubber and plastic products (+2,2 percentage points or +R4 765 million), wood and wood products, paper, publishing and printing (+0,9 of a percentage point or +R1 843 million), food and beverages (+0,6 of a percentage point or +R1 232 million), furniture and 'other' manufacturing (+0,6 of a percentage point or +R1 217 million), glass and non-metallic mineral products (+0,4 of a percentage point or +R958 million) and radio, television and communication apparatus and professional equipment (+0,2 of a percentage point or +R515 million) (see table D).

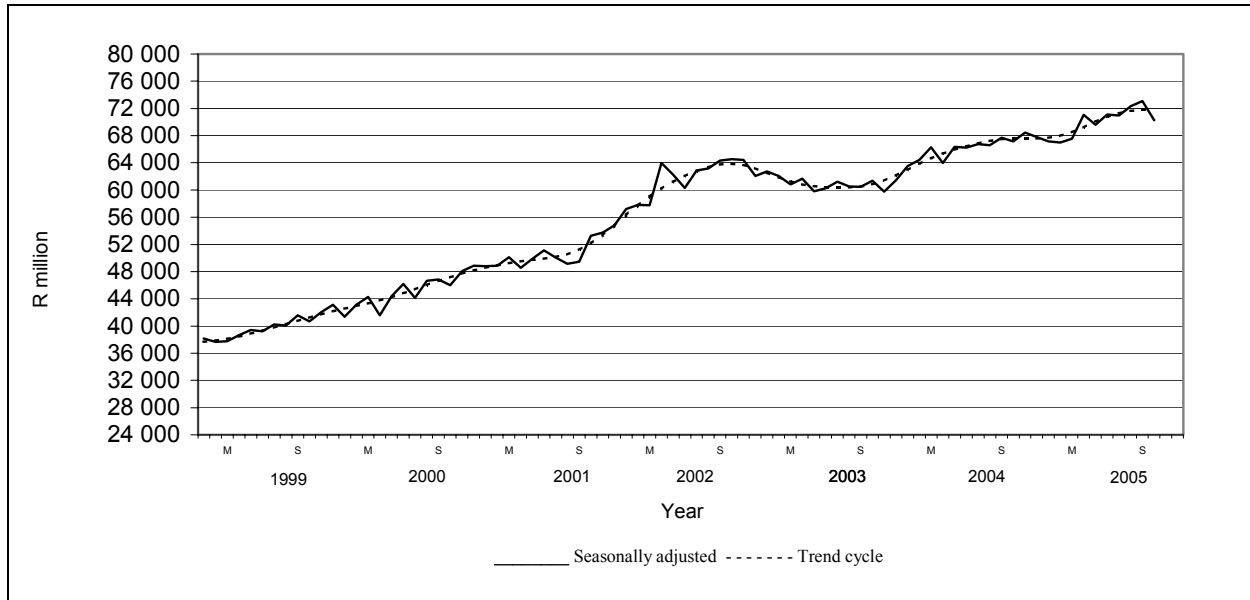
Table D - Contribution of the manufacturing divisions to total value of sales of manufactured products

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products August to October 2004	Percentage change between August to October 2004 and August to October 2005	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between August to October 2004 and August to October 2005
				R'000
Food and beverages	17,9	+3,2	+0,6	1 232 161
Food and food products	13,6	+1,7	+0,2	487 170
Beverages	4,3	+8,2	+0,4	744 991
Textiles, clothing, leather and footwear	5,0	-1,6	-0,1	-164 443
Textiles	2,2	-2,4	-0,1	-112 480
Wearing apparel	1,9	+0,0	+0,0	277
Leather and leather products	0,5	-0,9	-0,0	-10 393
Footwear	0,4	-5,2	-0,0	-41 847
Wood, paper, publish and printing	8,9	+9,7	+0,9	1 842 849
Wood and products of wood	1,8	+16,5	+0,3	630 344
Paper and paper products	4,0	+6,0	+0,2	511 230
Publishing and printing	3,1	+10,6	+0,3	701 275
Petroleum, chemical products, rubber and plastic products	19,7	+11,4	+2,2	4 765 357
Coke and refined petroleum products	6,3	+22,2	+1,4	2 961 077
Basic chemicals	4,0	+11,1	+0,4	954 604
Other chemical products	5,6	+4,1	+0,2	479 265
Rubber products	1,1	-7,2	-0,1	-170 431
Plastic products	2,7	+9,4	+0,3	540 842
Glass and non-metallic mineral products	3,0	+14,9	+0,4	957 722
Glass and glass products	0,5	+17,7	+0,1	201 285
Non-metallic mineral products	2,5	+14,3	+0,4	756 437
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,5	-3,5	-0,8	-1 600 503
Basic iron and steel products	7,9	-18,8	-1,5	-3 151 921
Basic precious, non-ferrous metal products	2,8	+4,1	+0,1	246 488
Fabricated metal products	5,0	+5,0	+0,3	530 249
Machinery and equipment	5,7	+6,4	+0,4	774 681
Electrical machinery	2,5	+5,1	+0,1	265 642
Radio, television and communication apparatus and professional equipment	1,2	+19,6	+0,2	514 878
Radio, television and communication apparatus	0,6	+29,9	+0,2	391 262
Professional equipment	0,6	+9,4	+0,1	123 616
Motor vehicles, parts and accessories and other transport equipment	15,8	+17,7	+2,8	5 924 840
Motor vehicles, trailers, parts and accessories	14,7	+19,8	+2,9	6 149 866
Other transport equipment	1,1	-9,5	-0,1	-225 026
Furniture and other manufacturing division	4,6	+12,6	+0,6	1 216 792
Furniture	1,2	+13,2	+0,2	341 689
Other manufacturing groups	3,3	+12,3	+0,4	875 103
Total	100,0	+7,0	+7,0	14 955 295

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

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 1999 and October 2005. After peaking in September 2002, the series declined until May 2003, before resuming its upward movement.

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



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Notes

Forthcoming issues	Issue	Expected release date
	November 2005	12 January 2006
Purpose of the survey	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	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.	

Detailed tables

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

Base 2000 = 100

Month	1999	2000	2001	2002	2003	2004	2005
Actual indices							
J	83,6	85,2	91,1	93,7	94,4	93,1	96,2
F	93,7	98,7	102,7	103,6	104,3	103,6	106,3
M	97,9	104,8	106,8	108,2	108,4	114,1	114,9
A	90,7	89,0	95,3	104,4	100,0	100,3	109,2
M	95,9	99,9	100,2	110,3	105,7	111,6	1/ 112,7
J	94,8	102,1	104,0	106,7	105,3	110,5	1/ 114,3
J	98,3	100,1	102,8	108,8	108,7	113,0	1/ 115,6
A	97,7	102,5	102,3	109,8	106,3	113,7	1/ 118,1
S	100,9	104,8	103,1	111,4	108,7	116,0	1/ 122,5
O	107,3	109,8	114,9	119,6	116,7	122,5	1/ 122,9
N	109,9	113,6	117,6	119,8	115,1	122,3	
D	86,3	89,5	92,5	92,7	91,5	99,0	
Year	96,4	100,0	102,8	107,4	105,4	110,0	
Seasonally adjusted indices							
J	95,5	97,0	102,5	105,6	106,7	105,3	109,3
F	94,5	99,8	105,0	105,9	107,5	107,0	110,3
M	94,4	100,9	103,7	104,6	104,8	110,4	111,1
A	96,6	94,7	101,4	111,6	106,1	105,8	115,4
M	96,3	99,9	100,0	110,0	105,2	110,9	112,1
J	94,1	101,2	103,1	105,9	104,7	110,1	114,0
J	97,3	99,1	101,7	107,6	107,4	111,5	114,1
A	96,9	101,3	101,0	107,9	104,1	111,1	115,4
S	97,1	101,0	99,9	107,9	104,8	111,5	117,6
O	97,3	99,6	104,5	108,8	106,2	111,3	111,8
N	98,2	101,5	105,3	107,4	103,8	109,9	
D	99,5	103,0	105,2	105,7	104,1	113,6	

1/ Preliminary.

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

Month	1999	2000	2001	2002	2003	2004	2005
J	.	+1,9	+6,9	+2,9	+0,7	-1,4	+3,3
F	.	+5,3	+4,1	+0,9	+0,7	-0,7	+2,6
M	.	+7,0	+1,9	+1,3	+0,2	+5,3	+0,7
A	.	-1,9	+7,1	+9,5	-4,2	+0,3	+8,9
M	.	+4,2	+0,3	+10,1	-4,2	+5,6	+1,0
J	.	+7,7	+1,9	+2,6	-1,3	+4,9	+3,4
J	.	+1,8	+2,7	+5,8	-0,1	+4,0	+2,3
A	.	+4,9	-0,2	+7,3	-3,2	+7,0	+3,9
S	.	+3,9	-1,6	+8,1	-2,4	+6,7	+5,6
O	.	+2,3	+4,6	+4,1	-2,4	+5,0	+0,3
N	.	+3,4	+3,5	+1,9	-3,9	+6,3	
D	.	+3,7	+3,4	+0,2	-1,3	+8,2	
Year	.	+3,7	+2,8	+4,5	-1,9	+4,4	

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 by manufacturing division and major group

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2004	Indices			Seasonally adjusted indices					
			October 2004	September 2004	1/ October 2005	October 2004	September 2005	October 2005			
									2005		
									October	September	October
Food and beverages	16,4	111,9	125,1	127,2	127,0	115,1	122,1	116,9			
Meat, fish, fruit etc.	2,6	123,8	127,3	135,0	126,4	121,8	137,2	121,5			
Dairy products	1,1	100,6	105,9	109,2	116,6	99,5	105,9	109,4			
Grain mill products	1,5	117,6	122,0	127,7	126,5	119,4	124,5	124,2			
Other food products	6,8	96,7	116,2	120,8	116,7	102,7	109,9	103,0			
Beverages	4,3	129,5	144,1	137,3	146,5	133,3	135,7	135,5			
Textiles, clothing, leather and footwear	5,4	100,2	114,4	104,4	108,6	98,6	98,3	93,5			
Textiles	1,2	92,6	101,3	94,9	83,1	92,3	89,2	75,8			
Other textile products	1,2	109,7	128,7	121,2	126,9	113,9	118,4	112,2			
Knitted, crocheted articles	0,3	100,3	104,5	80,2	85,5	91,3	79,3	74,7			
Wearing apparel	2,0	104,6	120,3	108,8	121,9	99,3	99,4	101,0			
Leather and leather products	0,3	98,0	110,3	94,1	98,8	99,9	96,8	89,2			
Footwear	0,4	78,2	96,7	91,0	94,8	76,9	79,9	75,7			
Wood and wood products, paper, publishing and printing	11,0	104,1	117,2	113,7	120,4	107,0	109,4	110,0			
Sawmilling and planing of wood	0,7	106,6	115,0	111,5	124,7	107,6	106,0	116,6			
Products of wood	1,0	117,8	144,3	141,0	136,8	126,4	135,2	120,0			
Paper and paper products	4,8	102,5	107,4	107,3	112,8	103,1	103,4	108,2			
Publishing	2,4	98,4	111,6	114,1	123,5	100,0	111,5	110,7			
Printing, recorded media	2,1	106,8	133,3	115,4	125,0	114,2	109,2	106,4			
Petroleum, chemical products, rubber and plastic products	22,5	110,9	119,0	121,7	114,9	111,1	121,5	107,0			
Petroleum products	9,1	105,2	102,0	106,6	88,8	103,4	112,7	90,5			
Basic chemicals	4,0	102,6	121,9	124,1	126,2	104,6	121,2	107,9			
Other chemical products	5,4	120,1	137,7	138,5	136,7	123,9	132,6	123,2			
Rubber products	1,1	103,1	108,7	91,6	94,2	102,4	91,7	88,9			
Plastic products	3,0	126,1	137,2	145,8	148,5	123,9	140,3	134,0			
Glass and non-metallic mineral products	3,9	113,2	126,2	137,5	140,4	112,9	127,8	125,9			
Glass and glass products	1,1	122,0	136,8	154,0	159,7	123,1	145,0	143,8			
Non-metallic mineral products	2,9	109,9	122,2	131,4	133,2	109,1	121,4	119,3			
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,9	119,8	117,4	120,1	112,5	112,4	113,1			
Basic iron and steel products	5,5	112,7	122,0	93,4	103,3	113,1	93,2	95,4			
Non-ferrous metal products	4,7	106,1	109,7	111,8	119,1	105,6	112,7	114,6			
Structural metal products	1,3	124,4	121,7	126,2	125,1	114,4	117,6	117,8			
Other fabricated metal products	4,2	113,6	119,1	123,6	118,4	108,7	115,2	108,7			
General purpose machinery	2,4	114,5	126,0	124,1	122,5	116,7	110,0	112,9			
Special purpose machinery	3,2	124,9	127,8	149,1	149,1	125,7	142,6	147,5			
Household appliances	1,2	108,3	114,5	125,3	122,7	104,4	113,0	112,7			
Electrical machinery	2,7	98,5	105,1	108,1	108,0	96,0	102,5	99,0			
Radio, television and communication apparatus and professional equipment	1,3	111,3	114,8	133,8	124,3	106,2	127,1	114,5			
Radio, television and communication apparatus	0,7	82,4	90,3	115,2	104,5	80,7	99,5	92,7			
Professional equipment	0,6	140,6	139,7	152,7	144,4	132,0	155,2	136,5			
Motor vehicles, parts and accessories and other transport equipment	8,6	115,4	138,6	150,8	143,2	121,4	137,1	126,0			
Motor vehicles	4,1	110,1	134,9	158,2	153,5	115,2	147,3	131,4			
Bodies for motor vehicles, trailers and semi-trailers	0,4	130,3	145,0	190,2	182,2	140,5	187,9	176,0			
Parts and accessories	3,1	127,4	151,3	155,2	142,0	134,9	134,3	128,0			
Other transport equipment	1,0	94,1	111,7	91,4	89,1	97,9	84,1	78,0			
Other manufacturing divisions	5,8	101,0	141,0	117,8	136,7	109,5	111,9	106,2			
Furniture	1,6	119,9	154,1	149,8	160,0	120,1	140,5	125,4			
Other manufacturing groups	4,2	93,9	136,1	105,7	127,8	105,5	101,1	99,0			
Total	100,0	110,0	122,5	122,5	122,9	111,3	117,6	111,8			

1/ Preliminary.

Table 3b - Indices of the physical volume of manufacturing production by manufacturing division and major group (concluded)

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year	Indices			Seasonally adjusted indices		
			October 2004	1/ October 2005	Percentage difference between October 2004 and October 2005	September 2005	October 2005	Percentage difference between September and October 2005
Food and beverages	16,4	111,9	125,1	127,0	+1,5	122,1	116,9	-4,3
Meat, fish, fruit etc.	2,6	123,8	127,3	126,4	-0,7	137,2	121,5	-11,4
Dairy products	1,1	100,6	105,9	116,6	+10,1	105,9	109,4	+3,3
Grain mill products	1,5	117,6	122,0	126,5	+3,7	124,5	124,2	-0,2
Other food products	6,8	96,7	116,2	116,7	+0,4	109,9	103,0	-6,3
Beverages	4,3	129,5	144,1	146,5	+1,7	135,7	135,5	-0,1
Textiles, clothing, leather and footwear	5,4	100,2	114,4	108,6	-5,1	98,3	93,5	-4,9
Textiles	1,2	92,6	101,3	83,1	-18,0	89,2	75,8	-15,0
Other textile products	1,2	109,7	128,7	126,9	-1,4	118,4	112,2	-5,2
Knitted, crocheted articles	0,3	100,3	104,5	85,5	-18,2	79,3	74,7	-5,8
Wearing apparel	2,0	104,6	120,3	121,9	+1,3	99,4	101,0	+1,6
Leather and leather products	0,3	98,0	110,3	98,8	-10,4	96,8	89,2	-7,9
Footwear	0,4	78,2	96,7	94,8	-2,0	79,9	75,7	-5,3
Wood and wood products, paper, publishing and printing	11,0	104,1	117,2	120,4	+2,7	109,4	110,0	+0,5
Sawmilling and planing of wood	0,7	106,6	115,0	124,7	+8,4	106,0	116,6	+10,0
Products of wood	1,0	117,8	144,3	136,8	-5,2	135,2	120,0	-11,2
Paper and paper products	4,8	102,5	107,4	112,8	+5,0	103,4	108,2	+4,6
Publishing	2,4	98,4	111,6	123,5	+10,7	111,5	110,7	-0,7
Printing, recorded media	2,1	106,8	133,3	125,0	-6,2	109,2	106,4	-2,6
Petroleum, chemical products, rubber and plastic products	22,5	110,9	119,0	114,9	-3,4	121,5	107,0	-11,9
Petroleum products	9,1	105,2	102,0	88,8	-12,9	112,7	90,5	-19,7
Basic chemicals	4,0	102,6	121,9	126,2	+3,5	121,2	107,9	-11,0
Other chemical products	5,4	120,1	137,7	136,7	-0,7	132,6	123,2	-7,1
Rubber products	1,1	103,1	108,7	94,2	-13,3	91,7	88,9	-3,1
Plastic products	3,0	126,1	137,2	148,5	+8,2	140,3	134,0	-4,5
Glass and non-metallic mineral products	3,9	113,2	126,2	140,4	+11,3	127,8	125,9	-1,5
Glass and glass products	1,1	122,0	136,8	159,7	+16,7	145,0	143,8	-0,8
Non-metallic mineral products	2,9	109,9	122,2	133,2	+9,0	121,4	119,3	-1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	113,9	119,8	120,1	+0,3	112,4	113,1	+0,6
Basic iron and steel products	5,5	112,7	122,0	103,3	-15,3	93,2	95,4	+2,4
Non-ferrous metal products	4,7	106,1	109,7	119,1	+8,6	112,7	114,6	+1,7
Structural metal products	1,3	124,4	121,7	125,1	+2,8	117,6	117,8	+0,2
Other fabricated metal product	4,2	113,6	119,1	118,4	-0,6	115,2	108,7	-5,6
General purpose machinery	2,4	114,5	126,0	122,5	-2,8	110,0	112,9	+2,6
Special purpose machinery	3,2	124,9	127,8	149,1	+16,7	142,6	147,5	+3,4
Household appliances	1,2	108,3	114,5	122,7	+7,2	113,0	112,7	-0,3
Electrical machinery	2,7	98,5	105,1	108,0	+2,8	102,5	99,0	-3,4
Radio, television and communication apparatus and professional equipment	1,3	111,3	114,8	124,3	+8,3	127,1	114,5	-9,9
Radio, television and communication apparatus	0,7	82,4	90,3	104,5	+15,7	99,5	92,7	-6,8
Professional equipment	0,6	140,6	139,7	144,4	+3,4	155,2	136,5	-12,0
Motor vehicles, parts and accessories and other transport equipment	8,6	115,4	138,6	143,2	+3,3	137,1	126,0	-8,1
Motor vehicles	4,1	110,1	134,9	153,5	+13,8	147,3	131,4	-10,8
Bodies for motor vehicles, trailers and semi-trailers	0,4	130,3	145,0	182,2	+25,7	187,9	176,0	-6,3
Parts and accessories	3,1	127,4	151,3	142,0	-6,1	134,3	128,0	-4,7
Other transport equipment	1,0	94,1	111,7	89,1	-20,2	84,1	78,0	-7,3
Other manufacturing divisions	5,8	101,0	141,0	136,7	-3,0	111,9	106,2	-5,1
Furniture	1,6	119,9	154,1	160,0	+3,8	140,5	125,4	-10,7
Other manufacturing groups	4,2	93,9	136,1	127,8	-6,1	101,1	99,0	-2,1
Total	100,0	110,0	122,5	122,9	+0,3	117,6	111,8	-4,9

1/ Preliminary.

Table 4 – Total of estimated sales of the manufacturing industry (R'000)

Month	1999	2000	2001	2002	2003	2004	2005
Actual values							
J	31 555 022	34 427 494	41 043 695	48 213 334	52 881 892	53 577 205	56 470 478
F	36 615 997	41 984 311	47 559 661	56 319 773	60 374 141	62 575 341	65 023 085
M	39 389 583	46 246 977	52 200 984	59 926 973	62 739 099	67 969 216	69 178 438
A	36 561 495	39 304 965	45 876 551	60 441 376	58 657 547	61 211 805	68 029 954
M	39 422 080	44 574 471	50 181 467	62 683 501	60 262 799	66 815 480 1/	69 947 413
J	39 941 869	47 081 382	52 042 802	61 135 948	60 811 763	66 561 396 1/	71 215 228
J	40 129 396	44 015 506	49 989 523	62 877 019	61 398 195	67 177 893 1/	71 531 776
A	40 722 958	47 373 593	49 928 171	64 210 548	61 531 966	67 929 570 1/	73 867 868
S	43 014 022	48 468 742	51 099 123	66 577 439	62 900 284	70 906 521 1/	76 685 322
O	45 177 492	50 720 639	58 609 152	71 025 253	67 504 463	73 526 006 1/	76 764 202
N	46 857 962	53 508 142	59 846 533	71 503 335	66 340 128	75 806 307	
D	39 420 298	44 778 462	50 601 063	56 979 458	56 066 970	61 891 950	
Year	478 808 174	542 484 684	608 978 725	741 893 957	731 469 247	795 948 690	
Seasonally adjusted values							
J	38 178 657	41 372 553	48 773 618	57 216 541	62 733 271	63 526 774	67 161 440
F	37 656 688	43 126 704	48 882 453	57 819 179	62 032 032	64 427 683	66 996 713
M	37 761 661	44 287 482	50 122 873	57 776 471	60 841 080	66 270 688	67 550 552
A	38 630 637	41 578 218	48 559 583	64 008 660	61 705 029	63 989 743	71 061 978
M	39 417 425	44 388 935	49 857 889	62 225 411	59 815 015	66 373 759	69 603 774
J	39 246 205	46 157 870	51 131 258	60 294 778	60 277 782	66 228 575	71 008 583
J	40 242 458	44 151 257	50 111 000	62 895 632	61 262 715	66 758 722	70 986 230
A	40 054 947	46 651 638	49 146 684	63 132 328	60 437 367	66 568 485	72 337 616
S	41 564 510	46 841 455	49 424 422	64 227 798	60 323 828	67 688 469	73 093 405
O	40 680 374	45 983 535	53 259 989	64 753 766	61 543 620	67 181 215	70 239 628
N	42 027 965	48 090 594	53 763 735	64 402 658	59 754 494	68 435 497	
D	43 143 130	48 898 171	54 799 292	62 083 438	61 413 089	67 767 746	

1/ Preliminary.

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

Month	1999	2000	2001	2002	2003	2004	2005
J	..	+9,1	+19,2	+17,5	+9,7	+1,3	+5,4
F	..	+14,7	+13,3	+18,4	+7,2	+3,6	+3,9
M	..	+17,4	+12,9	+14,8	+4,7	+8,3	+1,8
A	..	+7,5	+16,7	+31,7	-3,0	+4,4	+11,1
M	..	+13,1	+12,6	+24,9	-3,9	+10,9	+4,7
J	..	+17,9	+10,5	+17,5	-0,5	+9,5	+7,0
J	..	+9,7	+13,6	+25,8	-2,4	+9,4	+6,5
A	..	+16,3	+5,4	+28,6	-4,2	+10,4	+8,7
S	..	+12,7	+5,4	+30,3	-5,5	+12,7	+8,1
O	..	+12,3	+15,6	+21,2	-5,0	+8,9	+4,4
N	..	+14,2	+11,8	+19,5	-7,2	+14,3	
D	..	+13,6	+13,0	+12,6	-1,6	+10,4	
Year	.	+13,3	+12,3	+21,8	-1,4	+8,8	

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 by manufacturing division and major group (R'000)

Manufacturing divisions and major groups	Year	Actual values						Seasonally adjusted values							
		October		September		1/ October		October		September		October			
		2004		2004		2005		2004		2005		2005			
Food and beverages	148 166 706	13 234 592	13 166 276	13 497 512	12 511 559	13 009 202	12 767 910	Meat, fish, fruit etc.	34 066 776	3 041 854	3 154 636	3 122 990	2 826 077	3 134 622	2 902 657
Dairy products	12 541 040	1 114 515	1 157 456	1 189 562	1 049 146	1 112 376	1 117 976	Grain mill products	26 921 896	2 223 373	2 093 737	2 099 385	2 181 820	2 061 181	2 065 041
Other food products	38 546 806	3 516 913	3 417 338	3 563 639	3 277 596	3 347 104	3 333 771	Beverages	36 090 188	3 337 937	3 343 109	3 521 936	3 176 919	3 353 919	3 348 464
Textiles, clothing, leather and footwear	39 372 990	3 712 019	3 492 643	3 607 946	3 202 793	3 295 265	3 109 342	Textiles	7 546 592	664 226	577 081	554 375	600 153	557 944	501 035
Other textile products	9 971 756	959 590	967 031	998 807	867 097	928 960	904 688	Knitted, crocheted articles	2 194 175	173 856	149 259	151 340	157 694	146 526	137 360
Wearing apparel	12 594 911	1 187 847	1 159 676	1 249 647	971 865	1 058 371	1 023 080	Leather and leather products	4 400 514	440 111	382 607	388 392	384 615	384 388	338 637
Footwear	2 665 042	286 389	256 989	265 385	221 369	219 077	204 544	Wood and wood products, paper, publishing and printing	71 605 117	6 655 984	7 030 431	7 116 899	6 131 438	6 619 395	6 564 924
Sawmilling and planing of wood	3 399 057	314 975	340 055	381 324	294 798	327 441	357 231	Products of wood	10 560 517	1 093 711	1 148 127	1 141 238	951 957	1 082 993	992 952
Paper and paper products	32 762 231	2 814 073	3 105 430	2 994 663	2 750 829	2 845 324	2 930 490	Publishing	10 699 596	1 014 864	1 105 804	1 147 004	914 959	1 061 835	1 036 020
Printing, recorded media	14 183 716	1 418 361	1 331 015	1 452 670	1 218 895	1 301 803	1 248 231	Petroleum, chemical products, rubber and plastic products	158 936 314	14 618 892	15 851 688	15 585 633	13 304 235	15 191 342	14 288 446
Petroleum products	52 795 117	4 429 171	5 423 931	5 133 310	4 331 599	5 382 413	5 070 000	Basic chemicals	31 059 525	3 244 084	3 302 602	3 293 846	2 736 678	3 022 274	2 779 340
Other chemical products	44 456 759	4 148 671	4 254 236	4 237 938	3 711 583	3 992 932	3 804 932	Rubber products	9 188 141	803 756	725 466	753 391	752 756	719 631	707 558
Plastic products	21 436 772	1 993 210	2 145 453	2 167 148	1 771 618	2 074 092	1 926 616	Glass and non-metallic mineral products	22 892 021	2 241 278	2 438 107	2 558 078	1 954 108	2 233 938	2 237 109
Glass and glass products	4 009 906	404 627	444 010	469 022	335 552	394 457	392 266	Non-metallic mineral products	18 882 115	1 836 651	1 994 097	2 089 056	1 618 555	1 839 480	1 844 843
Basic iron and steel, non-ferrous metal products, metal products and machinery	168 940 494	15 003 690	14 793 095	14 550 955	14 121 771	13 947 318	13 686 878	Basic iron and steel products	60 105 177	5 493 464	4 483 250	4 333 812	5 251 469	4 223 521	4 157 906
Non-ferrous metal products	22 348 971	1 991 673	2 041 270	2 117 147	1 868 745	1 964 195	1 976 383	Structural metal products	13 225 258	1 059 195	1 201 360	1 189 895	970 348	1 110 517	1 090 126
Other fabricated metal products	27 049 509	2 417 233	2 653 683	2 513 041	2 204 392	2 437 010	2 303 107	General purpose machinery	17 627 230	1 614 799	1 614 247	1 582 528	1 527 889	1 483 623	1 480 671
Special purpose machinery	19 468 320	1 598 205	1 925 561	1 949 710	1 548 305	1 895 208	1 887 710	Household appliances	9 116 029	829 121	873 724	864 822	750 624	833 245	790 973
Electrical machinery	19 284 876	1 762 902	1 829 128	1 890 730	1 611 938	1 744 609	1 726 645	Radio, television and communication apparatus and professional equipment	10 976 789	921 454	1 128 993	1 051 145	886 864	1 073 633	1 006 419
Radio, television and communication apparatus	5 457 267	465 693	615 258	566 130	438 091	565 334	527 909	Professional equipment	5 519 522	455 761	513 735	485 015	448 774	508 299	478 511
Motor vehicles, parts and accessories and other transport equipment	120 128 726	11 702 101	13 301 226	13 112 449	10 340 380	12 492 531	11 638 031	Motor vehicles	62 474 248	6 107 167	7 285 025	7 262 386	5 448 243	6 935 828	6 514 882
Bodies for motor vehicles, trailers and semi-trailers	5 059 306	599 060	617 256	600 970	485 646	566 463	480 382	Parts and accessories	43 962 506	4 129 350	4 665 526	4 532 042	3 643 754	4 309 760	4 012 741
Other transport equipment	8 632 666	866 524	733 419	717 051	762 738	680 481	630 027	Other manufacturing divisions	35 644 657	3 673 094	3 653 735	3 792 855	3 116 128	3 486 173	3 213 923
Furniture	9 172 117	948 349	964 916	1 042 917	753 361	891 041	835 224	Other manufacturing groups	26 472 540	2 724 745	2 688 819	2 749 938	2 362 767	2 595 132	2 378 699
Total	1795 948 690	173 526 006	76 685 322	76 764 202	67 181 215	73 093 405	70 239 628								

1/ Preliminary.

Table 6b - Sales of manufactured products by manufacturing division and major group (R'000) (concluded)

Manufacturing divisions and major groups	Year	Value of sales			Seasonally adjusted value of sales		
		1/		Percentage			Percentage
		October	October	change	September	October	change
2004	2004	2005	between	2005	2005	between	
			October	and		and	October
			2004	October		2005	2005
Food and beverages	148 166 706	13 234 592	13 497 512	+2,0	13 009 202	12 767 910	-1,9
Meat, fish, fruit etc.	34 066 776	3 041 854	3 122 990	+2,7	3 134 622	2 902 657	-7,4
Dairy products	12 541 040	1 114 515	1 189 562	+6,7	1 112 376	1 117 976	+0,5
Grain mill products	26 921 896	2 223 373	2 099 385	-5,6	2 061 181	2 065 041	+0,2
Other food products	38 546 806	3 516 913	3 563 639	+1,3	3 347 104	3 333 771	-0,4
Beverages	36 090 188	3 337 937	3 521 936	+5,5	3 353 919	3 348 464	-0,2
Textiles, clothing, leather and footwear	39 372 990	3 712 019	3 607 946	-2,8	3 295 265	3 109 342	-5,6
Textiles	7 546 592	664 226	554 375	-16,5	557 944	501 035	-10,2
Other textile products	9 971 756	959 590	998 807	+4,1	928 960	904 688	-2,6
Knitted, crocheted articles	2 194 175	173 856	151 340	-13,0	146 526	137 360	-6,3
Wearing apparel	12 594 911	1 187 847	1 249 647	+5,2	1 058 371	1 023 080	-3,3
Leather and leather products	4 400 514	440 111	388 392	-11,8	384 388	338 637	-11,9
Footwear	2 665 042	286 389	265 385	-7,3	219 077	204 544	-6,6
Wood and wood products, paper, publishing and printing	71 605 117	6 655 984	7 116 899	+6,9	6 619 395	6 564 924	-0,8
Sawmilling and planing of wood	3 399 057	314 975	381 324	+21,1	327 441	357 231	+9,1
Products of wood	10 560 517	1 093 711	1 141 238	+4,3	1 082 993	992 952	-8,3
Paper and paper products	32 762 231	2 814 073	2 994 663	+6,4	2 845 324	2 930 490	+3,0
Publishing	10 699 596	1 014 864	1 147 004	+13,0	1 061 835	1 036 020	-2,4
Printing, recorded media	14 183 716	1 418 361	1 452 670	+2,4	1 301 803	1 248 231	-4,1
Petroleum, chemical products, rubber and plastic products	158 936 314	14 618 892	15 585 633	+6,6	15 191 342	14 288 446	-5,9
Petroleum products	52 795 117	4 429 171	5 133 310	+15,9	5 382 413	5 070 000	-5,8
Basic chemicals	31 059 525	3 244 084	3 293 846	+1,5	3 022 274	2 779 340	-8,0
Other chemical products	44 456 759	4 148 671	4 237 938	+2,2	3 992 932	3 804 932	-4,7
Rubber products	9 188 141	803 756	753 391	-6,3	719 631	707 558	-1,7
Plastic products	21 436 772	1 993 210	2 167 148	+8,7	2 074 092	1 926 616	-7,1
Glass and non-metallic mineral products	22 892 021	2 241 278	2 558 078	+14,1	2 233 938	2 237 109	+0,1
Glass and glass products	4 009 906	404 627	469 022	+15,9	394 457	392 266	-0,6
Non-metallic mineral products	18 882 115	1 836 651	2 089 056	+13,7	1 839 480	1 844 843	+0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	168 940 494	15 003 690	14 550 955	-3,0	13 947 318	13 686 878	-1,9
Basic iron and steel products	60 105 177	5 493 464	4 333 812	-21,1	4 223 521	4 157 906	-1,6
Non-ferrous metal products	22 348 971	1 991 673	2 117 147	+6,3	1 964 195	1 976 383	+0,6
Structural metal products	13 225 258	1 059 195	1 189 895	+12,3	1 110 517	1 090 126	-1,8
Other fabricated metal products	27 049 509	2 417 233	2 513 041	+4,0	2 437 010	2 303 107	-5,5
General purpose machinery	17 627 230	1 614 799	1 582 528	-2,0	1 483 623	1 480 671	-0,2
Special purpose machinery	19 468 320	1 598 205	1 949 710	+22,0	1 895 208	1 887 710	-0,4
Household appliances	9 116 029	829 121	864 822	+4,3	833 245	790 973	-5,1
Electrical machinery	19 284 876	1 762 902	1 890 730	+7,3	1 744 609	1 726 645	-1,0
Radio, television and communication apparatus and professional equipment	10 976 789	921 454	1 051 145	+14,1	1 073 633	1 006 419	-6,3
Radio, television and communication apparatus	5 457 267	465 693	566 130	+21,6	565 334	527 909	-6,6
Professional equipment	5 519 522	455 761	485 015	+6,4	508 299	478 511	-5,9
Motor vehicles, parts and accessories and other transport equipment	120 128 726	11 702 101	13 112 449	+12,1	12 492 531	11 638 031	-6,8
Motor vehicles	62 474 248	6 107 167	7 262 386	+18,9	6 935 828	6 514 882	-6,1
Bodies for motor vehicles, trailers and semi-trailers	5 059 306	599 060	600 970	+0,3	566 463	480 382	-15,2
Parts and accessories	43 962 506	4 129 350	4 532 042	+9,8	4 309 760	4 012 741	-6,9
Other transport equipment	8 632 666	866 524	717 051	-17,2	680 481	630 027	-7,4
Other manufacturing divisions	35 644 657	3 673 094	3 792 855	+3,3	3 486 173	3 213 923	-7,8
Furniture	9 172 117	948 349	1 042 917	+10,0	891 041	835 224	-6,3
Other manufacturing groups	26 472 540	2 724 745	2 749 938	+0,9	2 595 132	2 378 699	-8,3
Total	795 948 690	73 526 006	76 764 202	+4,4	73 093 405	70 239 628	-3,9

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 by manufacturing division and major group

Manufacturing divisions	Weights	Indices (base 2000=100)			Value of sales (R'000)		
		August to October 2004	August to October 2005	Annual percentage change between August to October 2004 and August to October 2005	August to October 2004	August to October 2005	Annual percentage change between August to October 2004 and August to October 2005
Food and beverages	16,4	119,7	125,5	+4,8	38 052 130	39 284 291	+3,2
Meat, fish, fruit etc.	2,6	125,9	128,1	+1,7	8 720 231	9 238 040	+5,9
Dairy products	1,1	103,9	110,3	+6,2	3 253 596	3 438 245	+5,7
Grain mill products	1,5	123,8	127,8	+3,2	6 813 158	6 313 547	-7,3
Other food products	6,8	112,7	120,0	+6,5	10 127 004	10 411 327	+2,8
Beverages	4,3	129,9	135,8	+4,5	9 138 141	9 883 132	+8,2
Textiles, clothing, leather and footwear	5,4	108,1	105,2	-2,7	10 573 981	10 409 538	-1,6
Textiles	1,2	99,7	86,8	-12,9	1 949 983	1 658 514	-14,9
Other textile products	1,2	117,7	121,7	+3,4	2 679 207	2 858 196	+6,7
Knitted, crocheted articles	0,3	100,9	81,7	-19,0	538 538	439 144	-18,5
Wearing apparel	2,0	113,8	114,7	+0,8	3 447 582	3 547 253	+2,9
Leather and leather products	0,3	98,6	97,9	-0,7	1 155 580	1 145 187	-0,9
Footwear	0,4	92,8	92,0	-0,9	803 091	761 244	-5,2
Wood and wood products, paper, publishing and printing	11,0	110,1	115,4	+4,8	18 903 814	20 746 663	+9,7
Sawmilling and planing of wood	0,7	111,0	117,3	+5,7	886 575	1 075 889	+21,4
Products of wood	1,0	130,1	137,4	+5,6	2 932 081	3 373 111	+15,0
Paper and paper products	4,8	104,8	109,7	+4,7	8 451 366	8 962 596	+6,0
Publishing	2,4	106,4	115,8	+8,8	2 885 105	3 292 963	+14,1
Printing, recorded media	2,1	116,6	116,5	-0,1	3 748 687	4 042 104	+7,8
Petroleum, chemical products, rubber and plastic products	22,5	114,2	118,3	+3,6	41 819 598	46 584 955	+11,4
Petroleum products	9,1	101,7	101,7	-0,0	13 344 622	16 305 699	+22,2
Basic chemicals	4,0	110,5	124,6	+12,8	8 575 498	9 530 102	+11,1
Other chemical products	5,4	129,6	133,3	+2,9	11 799 207	12 278 472	+4,1
Rubber products	1,1	107,5	94,9	-11,7	2 370 062	2 199 631	-7,2
Plastic products	3,0	132,3	142,5	+7,7	5 730 209	6 271 051	+9,4
Glass and non-metallic mineral products	3,9	124,3	137,7	+10,8	6 424 274	7 381 996	+14,9
Glass and glass products	1,1	133,9	156,1	+16,6	1 137 380	1 338 665	+17,7
Non-metallic mineral products	2,9	120,7	130,9	+8,5	5 286 894	6 043 331	+14,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	119,4	117,4	-1,7	45 579 206	43 978 703	-3,5
Basic iron and steel products	5,5	118,7	97,6	-17,8	16 768 286	13 616 365	-18,8
Non-ferrous metal products	4,7	108,8	115,0	+5,7	5 959 770	6 206 258	+4,1
Structural metal products	1,3	127,0	123,0	-3,1	3 377 831	3 511 294	+4,0
Other fabricated metal products	4,2	119,3	121,3	+1,7	7 276 569	7 673 355	+5,5
General purpose machinery	2,4	123,6	120,0	-2,9	4 665 254	4 665 439	-0,0
Special purpose machinery	3,2	129,3	143,9	+11,3	4 993 471	5 651 027	+13,2
Household appliances	1,2	121,1	125,5	+3,6	2 538 025	2 654 965	+4,6
Electrical machinery	2,7	105,6	104,8	-0,8	5 211 152	5 476 794	+5,1
Radio, television and communication apparatus and professional equipment	1,3	109,7	123,0	+12,1	2 620 256	3 135 134	+19,6
Radio, television and communication apparatus	0,7	83,2	103,6	+24,5	1 307 559	1 698 821	+29,9
Professional equipment	0,6	136,7	142,6	+4,3	1 312 697	1 436 313	+9,4
Motor vehicles, parts and accessories and other transport equipment	8,6	134,2	145,9	+8,7	33 501 505	39 426 345	+17,7
Motor vehicles	4,1	129,1	154,6	+19,8	17 514 029	21 846 445	+24,7
Bodies for motor vehicles, trailers and semi-trailers	0,4	155,1	179,5	+15,7	1 505 238	1 773 758	+17,8
Parts and accessories	3,1	148,6	148,5	-0,1	12 114 460	13 663 390	+12,8
Other transport equipment	1,0	102,4	89,0	-13,1	2 367 778	2 142 752	-9,5
Other manufacturing divisions	5,8	115,6	120,2	+4,0	9 676 181	10 892 973	+12,6
Furniture	1,6	138,0	150,4	+9,0	2 584 826	2 926 515	+13,2
Other manufacturing groups	4,2	107,2	108,8	+1,5	7 091 355	7 966 458	+12,3
Total	100,0	117,4	121,2	+3,2	212 362 097	227 317 392	+7,0

Explanatory notes

- | | |
|------------------------------|---|
| Introduction | <p>1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the new business register, with significantly enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by division and major groups within manufacturing.</p> <p>2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2000. Both estimated and seasonally adjusted figures are presented.</p> <p>3 As is usual, information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.</p> <p>4 As indicated earlier, Stats SA developed a new business register, based on units registered for value-added tax (VAT) and income tax, obtained from the South African Revenue Service (SARS), which replaced the previous business register.</p> |
| Scope of the survey | <p>5 This survey covers manufacturing enterprises, i.e. those conducting activities in -</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work. |
| Classification | <p>6 The 1993 edition of the <i>Standard Industrial Classification of all Economic Activities (SIC)</i>, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of all Economic Activities (ISIC)</i> with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) level. Each enterprise is classified to an industry which reflects its predominant activity.</p> |
| Statistical unit | <p>7 The statistical unit for which information is compiled and published is the enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.</p> |
| Weighting methodology | <p>8 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.</p> <p>9 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000 the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2005 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 2005).</p> |

Survey methodology and design	<p>10 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up non-respondents.</p> <p>11 The value of sales of manufactured products is obtained monthly from the sample of 3 070 enterprises, which was drawn in August 2005 from a population then of 45 130 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size groups two, three and four of that division to reflect the total value of sales of the division.</p> <p>12 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured, after the effect of price changes has been eliminated through deflation using appropriate indices of the Production Price Index (PPI). For six of the ten SIC divisions 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.</p> <p>13 More direct indicators are used for the value of production of tobacco, coke and refined petroleum products, basic iron and steel products, basic precious and non-ferrous metal products, motor vehicles and parts and accessories for motor vehicles. The volume indices for these major groups are calculated on the basis of physical quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).</p>
Seasonal adjustment	<p>14 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.</p>
Trend cycle	<p>15 The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Program is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.</p>
Reliability of estimates	<p>16 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.</p> <p>17 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.</p>
Revised figures	<p>18 Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.</p>

- Related publications** **19** Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding of figures** **20** The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy** **21** Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za.
- Symbols and abbreviations** **22** GDP Gross Domestic Product
 ISIC International Standard Industrial Classification
 m Million
 SIC Standard Industrial Classification of all Economic Activities
 SARS South African Revenue Service
 Stats SA Statistics South Africa
 VAT Value-added tax
 1/ Preliminary figures
 • Revised figures

Technical notes

Neyman optimal allocation

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

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	5 000 000
Small	5 000 001	13 000 000
Medium	13 000 001	51 000 000
Large	51 000 001	

Glossary

Enterprise	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.
Index of physical volume of manufacturing production	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 division 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.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>Standard Industrial Classification of all Economic Activities, Fifth Edition, Report No. 09-90-02 of January 1993 (SIC)</i> .
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	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.
Sales	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.
Statistical unit	A statistical unit is a unit about which statistics are tabulated, compiled or published. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.

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

Turnover

Turnover refers to -

- the value of sales and transfers out of all own manufactured products/articles;
- amounts received for work done; and
- amounts received for services rendered.

Turnover excludes -

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

Weight

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

Table E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2005	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	100,0	100,0

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English only.

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