

Manufacturing: Production and sales

Preliminary: November 2005

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

Estimates	November 2005	% change between November 2004 and November 2005	% change between September to November 2004 and September to November 2005	% change between January to November 2004 and January to November 2005
Physical volume of manufacturing production index (2000=100)	126,8	+3,7	+3,3	+3,2
Total value of sales of manufactured products (R million)	79 458	+4,8	+5,8	+6,0

Seasonally adjusted estimates	November 2005	% change between October and November 2005	% change between June to August 2005 and September to November 2005
Physical volume of manufacturing production index (2000=100)	114,4	+2,1	+0,3
Total value of sales of manufactured products (R million)	71 569	+2,0	+0,3

Key findings regarding manufacturing production and sales for November 2005

Manufacturing production increases

The estimated manufacturing production for the three months ended November 2005 increased by 0,3% after seasonal adjustment, compared with the previous three months. Higher production was reported by seven of the ten manufacturing divisions. During the months of October and November 2005, low production at the petroleum industry due to changing to lead free fuel, has limited the extent of growth in the manufacturing industry results.

The major contributors to the seasonally adjusted increase of 0,3% in total manufacturing production for the three months ended November 2005 compared with the previous three months were the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing +0,7 of a percentage point) to the increase in total manufacturing production), followed by the motor vehicles, parts and accessories and other transport equipment division (contributing +0,3 of a percentage point), the wood and wood products, paper, publishing and printing division, the glass and non-metallic mineral products division and the furniture and ‘other manufacturing’ divisions (each contributing +0,1 of a percentage point). However, these increases were counteracted by decreases reported by the petroleum, chemical products, rubber and plastic products division (contributing -0,7 of a percentage point) and the food and beverages division (contributing -0,2 of a percentage point) (see table B).

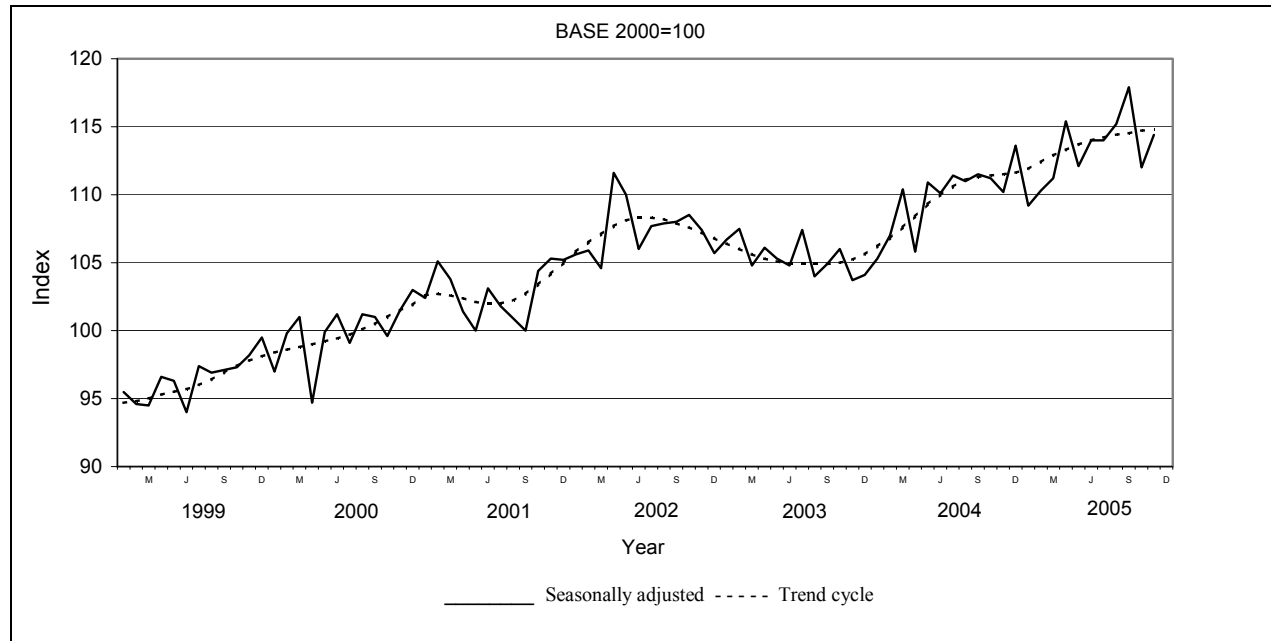
Table B - Contribution of manufacturing divisions and major groups to total manufacturing production (Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to the total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for June to August 2005	Average seasonally adjusted production index for September to November 2005	Quarterly percentage change of September to November 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	120,8	119,4	-1,2	-0,2
Food and food products	12,1	115,0	114,3	-0,6	-0,1
Beverages	4,3	137,1	133,8	-2,4	-0,1
Textiles, clothing, leather and footwear	5,4	97,4	96,6	-0,8	-0,0
Textiles	2,4	96,0	98,7	+2,8	+0,1
Wearing apparel	2,3	101,3	98,6	-2,7	-0,1
Leather and leather products	0,3	100,2	94,8	-5,4	-0,0
Footwear	0,4	83,5	77,4	-7,3	-0,0
Wood, paper, publish and printing	11,0	110,0	110,9	+0,8	+0,1
Wood and products of wood	1,7	122,0	120,5	-1,2	-0,0
Paper and paper products	4,8	107,0	106,6	-0,4	-0,0
Publishing and printing	4,6	108,5	111,6	+2,9	+0,1
Petroleum, chemical products, rubber and plastic products	22,5	116,4	113,0	-2,9	-0,7
Coke, petroleum products and nuclear fuel	9,1	108,8	97,6	-10,3	-0,9
Basic chemicals	4,0	119,7	118,0	-1,4	-0,1
Other chemical products	5,4	126,3	126,7	+0,3	+0,0
Rubber products	1,1	88,1	88,8	+0,8	+0,0
Plastic products	3,0	128,6	137,8	+7,2	+0,2
Glass and non-metallic mineral products	3,9	124,8	127,2	+1,9	+0,1
Glass and glass products	1,1	144,0	144,3	+0,2	+0,0
Non-metallic mineral products	2,9	117,7	120,8	+2,6	+0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	109,8	113,3	+3,2	+0,7
Basic iron and steel products	5,5	98,0	96,7	-1,3	-0,1
Basic precious, non-ferrous metal products	4,7	110,0	112,6	+2,4	+0,1
Fabricated metal products	5,5	111,7	115,9	+3,8	+0,2
Machinery and equipment	6,7	118,2	125,6	+6,3	+0,4
Electrical machinery	2,7	96,8	97,3	+0,5	+0,0
Radio, television and communication apparatus and professional equipment	1,3	120,5	121,0	+0,4	+0,0
Radio, television and communication apparatus	0,7	105,7	98,7	-6,6	-0,0
Professional equipment	0,6	135,5	143,6	+6,0	+0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	130,4	134,5	+3,1	+0,3
Motor vehicles, trailers, parts and accessories	7,6	135,5	141,3	+4,3	+0,3
Other transport equipment	1,0	91,6	83,0	-9,4	-0,1
Furniture and other manufacturing division	5,8	106,6	107,9	+1,2	+0,1
Furniture	1,6	131,8	133,8	+1,5	+0,0
Other manufacturing groups	4,2	97,1	98,1	+1,0	+0,0
Total	100,0	114,4	114,8	+0,3	+0,3

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 November 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 November 2005 increased by 0,3% (+R604 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by seven 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 November 2005 was 5,8% higher than for the three months ended November 2004 (see table D).

The seasonally adjusted increase of 0,3% in the total value of sales of manufactured products at current prices for the three months ended November 2005 compared with the previous three months was mainly due to increases reported for the glass and non-metallic mineral products (+3,5% or +R231 million), food and beverages (+1,9% or +R743 million), wood and wood products, paper, publishing and printing (+1,9% or +R373 million) and motor vehicles, parts and accessories and other transport equipment divisions (+0,7% or +R267 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 June to August 2005	Seasonally adjusted sales September to November 2005	Percentage change between June to August 2005 and September to November 2005	Difference in seasonally adjusted sales of manufacturing divisions between June to August 2005 and September to November 2005
	R'000	R'000		R'000
Food and beverages	38 186 886	38 929 894	+1,9	743 008
Food and food products	28 296 459	28 914 733	+2,2	618 274
Beverages	9 890 426	10 015 159	+1,3	124 733
Textiles, clothing, leather and footwear	9 523 391	9 707 723	+1,9	184 332
Textiles	4 145 220	4 380 975	+5,7	235 755
Wearing apparel	3 580 893	3 598 870	+0,5	17 977
Leather and leather products	1 116 885	1 076 961	-3,6	-39 924
Footwear	680 395	650 917	-4,3	-29 478
Wood,paper,publish and printing	19 403 816	19 776 812	+1,9	372 996
Wood and products of wood	4 125 305	4 150 986	+0,6	25 681
Paper and paper products	8 526 965	8 613 147	+1,0	86 182
Publishing and printing	6 751 545	7 012 679	+3,9	261 134
Petroleum, chemical products, rubber and plastic products	43 798 098	43 214 895	-1,3	-583 203
Coke, petroleum products and nuclear fuel	15 130 143	14 339 983	-5,2	-790 160
Basic chemicals	9 336 408	8 957 148	-4,1	-379 260
Other chemical products	11 578 072	11 815 162	+2,0	237 090
Rubber products	2 099 980	2 109 994	+0,5	10 014
Plastic products	5 653 493	5 992 607	+6,0	339 114
Glass and non-metallic mineral products	6 513 887	6 744 477	+3,5	230 590
Glass and glass products	1 160 203	1 169 922	+0,8	9 719
Non-metallic mineral products	5 353 684	5 574 556	+4,1	220 872
Basic iron and steel, non-ferrous metal products, metal products and machinery	42 718 157	42 127 907	-1,4	-590 250
Basic iron and steel products	14 357 068	13 176 037	-8,2	-1 181 031
Basic precious, non-ferrous metal products	6 184 716	6 041 284	-2,3	-143 432
Fabricated metal products	10 243 386	10 535 576	+2,9	292 190
Machinery and equipment	11 932 987	12 375 010	+3,7	442 023
Electrical machinery	5 051 869	5 181 771	+2,6	129 902
Radio, television and communication apparatus and professional equipment	3 078 358	3 120 708	+1,4	42 350
Radio, television and communication apparatus	1 711 488	1 648 893	-3,7	-62 595
Professional equipment	1 366 870	1 471 814	+7,7	104 944
Motor vehicles, parts and accessories and other transport equipment	35 776 680	36 043 455	+0,7	266 775
Motor vehicles, trailers, parts and accessories	33 625 708	34 027 683	+1,2	401 975
Other transport equipment	2 150 974	2 015 772	-6,3	-135 202
Furniture and other manufacturing division	10 245 711	10 053 295	-1,9	-192 416
Furniture	2 553 910	2 602 697	+1,9	48 787
Other manufacturing groups	7 691 800	7 450 600	-3,1	-241 200
Total	214 296 852	214 900 937	+0,3	604 085

The major contributors to the increase of 5,8% in sales of manufactured products at current prices for the three months ended November 2005 compared with the three months ended November 2004 were the motor vehicles, parts and accessories and other transport equipment (+2,3 percentage points or +R5 092 million), petroleum chemical products, rubber and plastic products (+1,5 percentage points or +R3 237 million), wood and wood products, paper, publishing and printing (+0,8 of a percentage point or +R1 722 million), food and beverages divisions (+0,6 of a percentage point or +R1 344 million) and furniture and 'other manufacturing' divisions (+0,5 of a percentage point or +R1 081 million) (see table D).

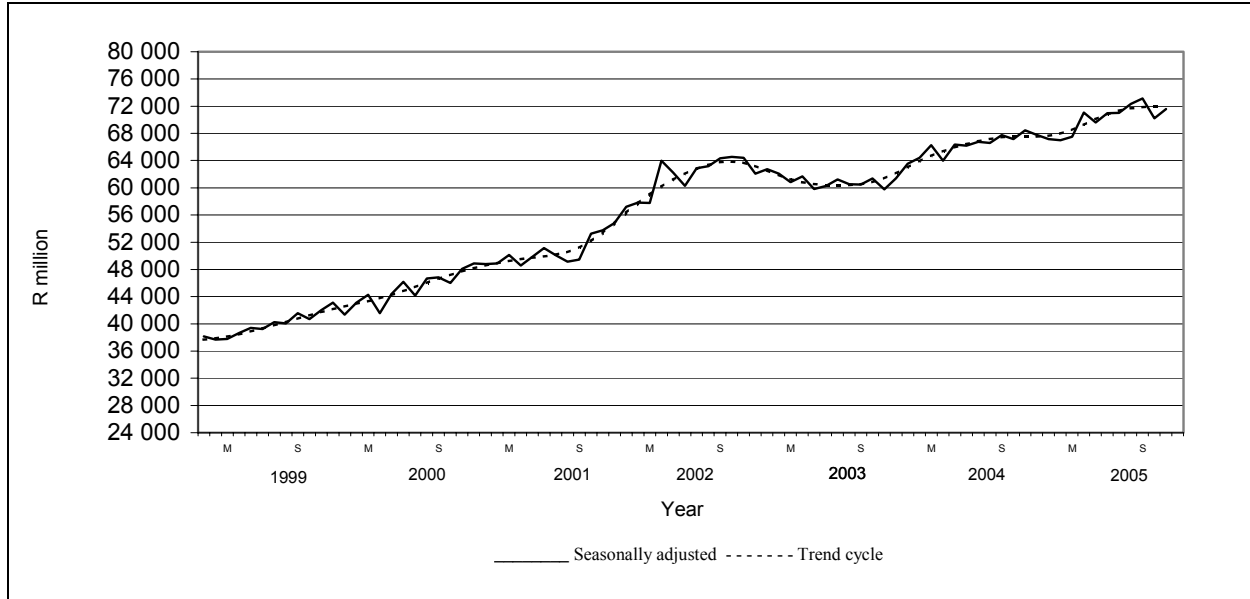
Table D - Contribution of the manufacturing divisions and major groups to total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products September to November 2004	Percentage change between September to November 2004 and September to November 2005	Contribution (percentage points) to the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between September to November 2004 and September to November 2005
				R'000
Food and beverages	18,0	+3,4	+0,6	1 343 950
Food and food products	13,5	+2,5	+0,3	745 388
Beverages	4,5	+6,1	+0,3	598 562
Textiles, clothing, leather and footwear	5,0	+0,1	+0,0	10 304
Textiles	2,2	+0,7	+0,0	35 297
Wearing apparel	1,9	+1,9	+0,0	80 263
Leather and leather products	0,6	-6,0	-0,0	-74 199
Footwear	0,4	-3,7	-0,0	-31 057
Wood,paper,publish and printing	9,0	+8,7	+0,8	1 722 151
Wood and products of wood	1,8	+13,2	+0,2	534 208
Paper and paper products	4,0	+5,3	+0,2	459 666
Publishing and printing	3,2	+10,2	+0,3	728 277
Petroleum, chemical products, rubber and plastic products	19,7	+7,5	+1,5	3 237 339
Coke, petroleum products and nuclear fuel	6,1	+8,6	+0,5	1 146 187
Basic chemicals	4,2	+11,3	+0,5	1 036 223
Other chemical products	5,6	+5,0	+0,3	623 472
Rubber products	1,1	-8,9	-0,1	-217 671
Plastic products	2,7	+10,8	+0,3	649 128
Glass and non-metallic mineral products	3,0	+14,3	+0,4	951 919
Glass and glass products	0,6	+15,1	+0,1	184 122
Non-metallic mineral products	2,5	+14,2	+0,4	767 797
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,2	-3,4	-0,7	-1 593 092
Basic iron and steel products	7,7	-19,4	-1,5	-3 291 726
Basic precious, non-ferrous metal products	2,8	+6,2	+0,2	376 300
Fabricated metal products	5,0	+6,0	+0,3	658 922
Machinery and equipment	5,8	+5,2	+0,3	663 412
Electrical machinery	2,4	+5,7	+0,1	300 569
Radio, television and communication apparatus and professional equipment	1,2	+19,0	+0,2	521 865
Radio, television and communication apparatus	0,6	+26,4	+0,2	368 077
Professional equipment	0,6	+11,4	+0,1	153 788
Motor vehicles, parts and accessories and other transport equipment	15,7	+14,7	+2,3	5 091 503
Motor vehicles, trailers, parts and accessories	14,7	+16,4	+2,4	5 299 824
Other transport equipment	1,1	-8,8	-0,1	-208 321
Furniture and other manufacturing division	4,7	+10,5	+0,5	1 080 507
Furniture	1,3	+11,4	+0,1	321 312
Other manufacturing groups	3,4	+10,2	+0,3	759 195
Total	100,0	+5,8	+5,8	12 667 015

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 November 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

Response rate	The response rate for the survey on manufacturing production and sales for November 2005 was 77,8 %.	
Forthcoming issues	Issue	Expected release date
	December 2005	9 February 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	112,7
J	94,8	102,1	104,0	106,7	105,3	110,5	114,3
J	98,3	100,1	102,8	108,8	108,7	113,0	1/ 115,5
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/ 122,9
O	107,3	109,8	114,9	119,6	116,7	122,5	1/ 123,3
N	109,9	113,6	117,6	119,8	115,1	122,3	1/ 126,8
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	109,2
F	94,6	99,8	105,0	105,9	107,4	107,0	110,3
M	94,4	100,9	103,7	104,6	104,8	110,4	111,2
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	111,4	114,0
A	96,9	101,3	101,0	107,9	104,0	111,0	115,2
S	97,1	101,0	99,9	107,9	104,9	111,6	117,9
O	97,3	99,6	104,4	108,8	106,1	111,2	112,0
N	98,2	101,5	105,4	107,6	103,9	110,2	114,4
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	+2,2
A	.	+4,9	-0,2	+7,3	-3,2	+7,0	+3,9
S	.	+3,9	-1,6	+8,1	-2,4	+6,7	+5,9
O	.	+2,3	+4,6	+4,1	-2,4	+5,0	+0,7
N	.	+3,4	+3,5	+1,9	-3,9	+6,3	+3,7
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 according to manufacturing divisions and major groups

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year	Indices			Seasonally adjusted indices			
			2004	November	October	1/	November	October	November
				2004	2005		2004	2005	
Food and beverages	16,4	111,8	126,9	127,6	130,9	114,2	117,2	118,2	
Meat, fish, fruit etc.	2,6	123,8	130,3	125,8	133,0	124,4	121,0	127,3	
Dairy products	1,1	100,6	112,3	116,2	114,6	102,2	108,7	104,5	
Grain mill products	1,5	117,6	128,3	126,3	130,1	122,1	123,9	123,8	
Other food products	6,8	96,5	114,3	119,1	122,9	99,0	104,8	107,2	
Beverages	4,3	129,5	148,2	145,6	147,0	132,3	134,4	131,7	
Textiles, clothing, leather and footwear	5,4	100,2	113,9	111,3	113,2	97,0	95,1	96,6	
Textiles	1,2	92,6	97,1	84,2	91,0	86,8	77,2	81,5	
Other textile products	1,2	109,7	136,3	127,8	139,9	112,5	112,7	116,2	
Knitted, crocheted articles	0,3	100,3	92,3	98,5	85,0	83,7	83,4	77,7	
Wearing apparel	2,0	104,6	120,2	126,0	121,7	100,0	103,0	101,7	
Leather and leather products	0,3	98,3	110,2	98,1	106,1	100,4	89,6	96,8	
Footwear	0,4	78,2	91,6	95,4	90,6	77,7	75,5	77,1	
Wood and wood products, paper, publishing and printing	11,0	104,0	118,8	120,0	127,0	105,5	109,9	112,8	
Sawmilling and planing of wood	0,7	106,1	117,1	120,9	120,6	109,0	113,7	112,3	
Products of wood	1,0	117,8	143,3	135,4	146,4	122,0	118,8	125,2	
Paper and paper products	4,8	102,5	108,2	112,2	116,4	100,6	107,9	108,2	
Publishing	2,4	98,4	115,6	124,1	137,2	98,9	111,6	117,1	
Printing, recorded media	2,1	106,8	135,0	125,3	132,2	114,9	107,2	112,4	
Petroleum, chemical products, rubber and plastic products	22,5	110,9	114,3	115,3	117,2	106,4	106,6	109,5	
Coke, petroleum products, and nuclear fuel	9,1	105,2	85,8	88,8	86,8	88,8	89,5	90,3	
Basic chemicals	4,0	102,6	115,4	128,4	130,3	106,0	109,1	120,6	
Other chemical products	5,4	120,1	142,4	135,8	140,9	125,2	122,2	123,8	
Rubber products	1,1	103,1	113,1	94,4	93,7	102,9	88,7	85,8	
Plastic products	3,0	126,1	150,0	150,0	159,0	128,8	134,7	136,6	
Glass and non-metallic mineral products	3,9	113,2	128,2	142,0	145,0	112,4	126,9	127,1	
Glass and glass products	1,1	122,0	153,4	162,3	171,5	129,4	145,3	143,9	
Non-metallic mineral products	2,9	109,9	118,8	134,4	135,1	106,0	120,0	120,9	
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	114,0	125,9	120,0	124,5	115,8	113,4	114,2	
Basic iron and steel products	5,5	112,7	118,2	103,3	106,0	111,6	96,5	99,9	
Non-ferrous metal products	4,7	106,1	109,6	119,1	115,0	105,8	114,2	110,9	
Structural metal products	1,3	125,3	134,0	124,8	134,8	118,4	118,5	119,3	
Other fabricated metal products	4,2	113,8	128,0	118,4	136,1	113,0	109,4	119,9	
General purpose machinery	2,4	114,5	129,3	123,2	122,7	120,2	113,7	113,0	
Special purpose machinery	3,2	124,9	145,5	147,6	142,3	140,1	145,6	137,4	
Household appliances	1,2	108,3	150,7	124,7	154,1	107,9	113,6	110,2	
Electrical machinery	2,7	98,5	112,2	106,3	105,9	98,9	97,6	93,3	
Radio, television and communication apparatus and professional equipment	1,3	111,6	110,9	125,0	124,9	106,1	116,1	120,1	
Radio, television and communication apparatus	0,7	82,4	80,3	103,3	103,9	79,2	93,6	102,5	
Professional equipment	0,6	141,3	141,9	147,1	146,2	133,3	138,8	137,9	
Motor vehicles, parts and accessories and other transport equipment	8,6	115,5	132,1	143,3	154,9	119,1	126,4	139,8	
Motor vehicles	4,1	110,1	134,2	153,5	161,5	118,3	131,9	143,1	
Bodies for motor vehicles, trailers and semi-trailers	0,4	131,2	156,6	185,2	190,9	137,2	175,6	170,2	
Parts and accessories	3,1	127,4	140,1	142,0	163,0	127,6	128,8	148,3	
Other transport equipment	1,0	94,1	89,1	89,1	88,2	88,5	78,1	87,7	
Other manufacturing divisions	5,8	100,9	129,3	138,1	130,5	104,2	106,3	106,1	
Furniture	1,6	119,9	161,0	163,5	173,8	122,8	127,3	133,8	
Other manufacturing groups	4,2	93,7	117,4	128,5	114,2	97,1	98,4	95,6	
	100,0	110,0	122,3	123,3	126,8	110,2	112,0	114,4	

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	Indices			Seasonally adjusted indices			
			2004	November 2004	1/ November 2005	Percentage difference between November 2004 and November 2005	October 2005	November 2005	Percentage difference between October and November 2005
Food and beverages	16,4	111,8	126,9	130,9	+3,2	117,2	118,2	+0,9	
Meat, fish, fruit etc.	2,6	123,8	130,3	133,0	+2,1	121,0	127,3	+5,2	
Dairy products	1,1	100,6	112,3	114,6	+2,0	108,7	104,5	-3,9	
Grain mill products	1,5	117,6	128,3	130,1	+1,4	123,9	123,8	-0,1	
Other food products	6,8	96,5	114,3	122,9	+7,5	104,8	107,2	+2,3	
Beverages	4,3	129,5	148,2	147,0	-0,8	134,4	131,7	-2,0	
Textiles, clothing, leather and footwear	5,4	100,2	113,9	113,2	-0,6	95,1	96,6	+1,6	
Textiles	1,2	92,6	97,1	91,0	-6,3	77,2	81,5	+5,6	
Other textile products	1,2	109,7	136,3	139,9	+2,6	112,7	116,2	+3,1	
Knitted, crocheted articles	0,3	100,3	92,3	85,0	-7,9	83,4	77,7	-6,8	
Wearing apparel	2,0	104,6	120,2	121,7	+1,2	103,0	101,7	-1,3	
Leather and leather products	0,3	98,3	110,2	106,1	-3,7	89,6	96,8	+8,0	
Footwear	0,4	78,2	91,6	90,6	-1,1	75,5	77,1	+2,1	
Wood and wood products, paper, publishing and printing	11,0	104,0	118,8	127,0	+6,9	109,9	112,8	+2,6	
Sawmilling and planing of wood	0,7	106,1	117,1	120,6	+3,0	113,7	112,3	-1,2	
Products of wood	1,0	117,8	143,3	146,4	+2,2	118,8	125,2	+5,4	
Paper and paper products	4,8	102,5	108,2	116,4	+7,6	107,9	108,2	+0,3	
Publishing	2,4	98,4	115,6	137,2	+18,7	111,6	117,1	+4,9	
Printing, recorded media	2,1	106,8	135,0	132,2	-2,1	107,2	112,4	+4,9	
Petroleum, chemical products, rubber and plastic products	22,5	110,9	114,3	117,2	+2,5	106,6	109,5	+2,7	
Coke, petroleum products and nuclear fuel	9,1	105,2	85,8	86,8	+1,2	89,5	90,3	+0,9	
Basic chemicals	4,0	102,6	115,4	130,3	+12,9	109,1	120,6	+10,5	
Other chemical products	5,4	120,1	142,4	140,9	-1,1	122,2	123,8	+1,3	
Rubber products	1,1	103,1	113,1	93,7	-17,2	88,7	85,8	-3,3	
Plastic products	3,0	126,1	150,0	159,0	+6,0	134,7	136,6	+1,4	
Glass and non-metallic mineral products	3,9	113,2	128,2	145,0	+13,1	126,9	127,1	+0,2	
Glass and glass products	1,1	122,0	153,4	171,5	+11,8	145,3	143,9	-1,0	
Non-metallic mineral products	2,9	109,9	118,8	135,1	+13,7	120,0	120,9	+0,8	
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	114,0	125,9	124,5	-1,1	113,4	114,2	+0,7	
Basic iron and steel products	5,5	112,7	118,2	106,0	-10,3	96,5	99,9	+3,5	
Non-ferrous metal products	4,7	106,1	109,6	115,0	+4,9	114,2	110,9	-2,9	
Structural metal products	1,3	125,3	134,0	134,8	+0,6	118,5	119,3	+0,7	
Other fabricated metal products	4,2	113,8	128,0	136,1	+6,3	109,4	119,9	+9,6	
General purpose machinery	2,4	114,5	129,3	122,7	-5,1	113,7	113,0	-0,6	
Special purpose machinery	3,2	124,9	145,5	142,3	-2,2	145,6	137,4	-5,6	
Household appliances	1,2	108,3	150,7	154,1	+2,3	113,6	110,2	-3,0	
Electrical machinery	2,7	98,5	112,2	105,9	-5,6	97,6	93,3	-4,4	
Radio, television and communication apparatus and professional equipment	1,3	111,6	110,9	124,9	+12,6	116,1	120,1	+3,4	
Radio, television and communication apparatus	0,7	82,4	80,3	103,9	+29,4	93,6	102,5	+9,5	
Professional equipment	0,6	141,3	141,9	146,2	+3,0	138,8	137,9	-0,6	
Motor vehicles, parts and accessories and other transport equipment	8,6	115,5	132,1	154,9	+17,3	126,4	139,8	+10,6	
Motor vehicles	4,1	110,1	134,2	161,5	+20,3	131,9	143,1	+8,5	
Bodies for motor vehicles, trailers and semi-trailers	0,4	131,2	156,6	190,9	+21,9	175,6	170,2	-3,1	
Parts and accessories	3,1	127,4	140,1	163,0	+16,3	128,8	148,3	+15,1	
Other transport equipment	1,0	94,1	89,1	88,2	-1,0	78,1	87,7	+12,3	
Other manufacturing divisions	5,8	100,9	129,3	130,5	+0,9	106,3	106,1	-0,2	
Furniture	1,6	119,9	161,0	173,8	+8,0	127,3	133,8	+5,1	
Other manufacturing groups	4,2	93,7	117,4	114,2	-2,7	98,4	95,6	-2,8	
	100,0	110,0	122,3	126,8	+3,7	112,0	114,4	+2,1	

1/ Preliminary.

Table 4 – Total of estimated sales of the manufacturing industry at current prices (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	69 947 413
J	39 941 869	47 081 382	52 042 802	61 135 948	60 811 763	66 561 396	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/	76 680 022
O	45 177 492	50 720 639	58 609 152	71 025 253	67 504 463	73 526 006 1/	76 767 896
N	46 857 962	53 508 142	59 846 533	71 503 335	66 340 128	75 806 307 1/	79 457 931
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	38 177 315	41 371 358	48 775 557	57 219 953	62 732 312	63 532 410	67 161 371
F	37 654 593	43 123 660	48 879 789	57 815 656	62 022 793	64 426 603	66 989 848
M	37 761 649	44 287 502	50 120 759	57 770 107	60 821 658	66 257 054	67 530 527
A	38 631 800	41 580 307	48 565 768	64 015 908	61 704 186	63 990 229	71 057 435
M	39 415 948	44 385 951	49 854 139	62 218 073	59 815 079	66 374 755	69 586 438
J	39 245 704	46 157 810	51 132 014	60 283 829	60 273 697	66 206 238	70 973 496
J	40 241 181	44 147 060	50 106 395	62 886 710	61 274 779	66 774 070	70 992 561
A	40 056 196	46 654 796	49 148 997	63 129 679	60 447 393	66 577 833	72 330 795
S	41 562 597	46 842 971	49 429 212	64 246 567	60 360 648	67 740 315	73 136 061
O	40 680 837	45 986 922	53 266 666	64 753 044	61 554 044	67 170 776	70 195 517
N	42 031 268	48 085 561	53 751 574	64 447 898	59 689 420	68 419 283	71 569 359
D	43 143 901	48 900 737	54 802 652	62 081 241	61 416 968	67 771 440	

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	+4,8
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 according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year	Actual values						Seasonally adjusted values		
		November		October		1/ November		November	October	November
		2004		2004		2005		2004	2005	
Food and beverages	148 166 706	13 793 531	13 550 911	14 239 273	12 637 131	12 804 233	13 066 270			
Meat, fish, fruit etc.	34 066 776	3 140 284	3 105 150	3 306 422	2 882 714	2 884 376	3 037 408			
Dairy products	12 541 040	1 138 306	1 186 138	1 192 022	1 041 029	1 112 708	1 094 223			
Grain mill products	26 921 896	2 312 872	2 099 072	2 199 809	2 223 243	2 066 546	2 111 514			
Other food products	38 546 806	3 732 885	3 650 448	3 925 177	3 296 640	3 409 636	3 492 640			
Beverages	36 090 188	3 469 184	3 510 103	3 615 843	3 193 505	3 330 967	3 330 484			
Textiles, clothing, leather and footwear	39 372 990	3 751 873	3 611 358	3 910 482	3 150 927	3 133 453	3 290 797			
Textiles	7 546 592	634 968	556 345	571 433	571 237	504 010	514 947			
Other textile products	9 971 756	1 007 375	1 005 845	1 138 322	845 186	911 858	962 336			
Knitted, crocheted articles	2 194 175	168 874	153 285	158 015	151 178	138 818	142 304			
Wearing apparel	12 594 911	1 257 866	1 243 117	1 377 751	992 733	1 035 165	1 092 318			
Leather and leather products	4 400 514	404 400	385 741	383 145	370 259	336 373	354 932			
Footwear	2 665 042	278 390	267 025	281 816	220 335	207 229	223 960			
Wood and wood products, paper, publishing and printing	71 605 117	6 791 077	7 070 712	7 489 586	5 990 678	6 520 820	6 625 895			
Sawmilling and planing of wood	3 399 057	334 043	366 711	378 369	296 268	344 330	335 715			
Products of wood	10 560 517	1 059 803	1 136 292	1 192 703	928 561	987 735	1 051 755			
Paper and paper products	32 762 231	2 839 089	2 965 536	3 099 639	2 635 036	2 899 502	2 880 080			
Publishing	10 699 596	1 064 356	1 153 620	1 302 484	904 765	1 043 980	1 108 972			
Printing, recorded media	14 183 716	1 493 786	1 448 553	1 516 391	1 226 047	1 245 273	1 249 373			
Petroleum, chemical products, rubber and plastic products	158 936 314	15 300 333	15 645 607	15 085 223	13 966 550	14 285 915	13 662 269			
Coke, petroleum products, and nuclear fuel	52 795 117	5 003 738	5 125 803	3 923 686	4 968 473	5 029 556	3 912 200			
Basic chemicals	31 059 525	3 082 603	3 325 201	3 589 953	2 676 850	2 780 978	3 121 252			
Other chemical products	44 456 759	4 230 109	4 249 702	4 492 357	3 741 292	3 826 094	3 974 633			
Rubber products	9 188 141	849 963	748 354	749 054	781 905	700 014	692 125			
Plastic products	21 436 772	2 133 920	2 196 547	2 330 173	1 798 029	1 949 272	1 962 059			
Glass and non-metallic mineral products	22 892 021	2 251 509	2 576 071	2 581 852	1 973 937	2 249 509	2 266 763			
Glass and glass products	4 009 906	445 429	470 195	486 984	351 546	392 061	383 859			
Non-metallic mineral products	18 882 115	1 806 080	2 105 876	2 094 868	1 622 391	1 857 449	1 882 904			
Basic iron and steel, non-ferrous metal products, metal products and machinery	168 940 494	16 066 271	14 542 135	15 848 567	14 753 380	13 717 544	14 481 665			
Basic iron and steel products	60 105 177	5 596 628	4 333 812	4 854 488	5 481 589	4 178 990	4 760 198			
Non-ferrous metal products	22 348 971	2 034 176	2 115 663	2 289 501	1 856 959	1 983 611	2 089 104			
Structural metal products	13 225 258	1 225 354	1 187 142	1 255 444	1 096 107	1 096 051	1 128 706			
Other fabricated metal product	27 049 509	2 552 975	2 512 150	2 756 951	2 263 981	2 309 050	2 446 387			
General purpose machinery	17 627 230	1 604 419	1 594 394	1 676 081	1 486 116	1 494 660	1 550 336			
Special purpose machinery	19 468 320	1 988 773	1 926 830	1 926 992	1 831 787	1 865 948	1 752 686			
Household appliances	9 116 029	1 063 946	872 144	1 089 110	736 840	789 234	754 248			
Electrical machinery	19 284 876	1 814 426	1 855 132	1 916 412	1 627 571	1 710 395	1 726 730			
Radio, television and communication apparatus and professional equipment	10 976 789	935 429	1 049 614	1 079 707	897 566	999 282	1 036 874			
Radio, television and communication apparatus	5 457 267	466 295	559 406	585 400	447 465	521 612	563 627			
Professional equipment	5 519 522	469 134	490 208	494 307	450 101	477 669	473 247			
Motor vehicles, parts and accessories and other transport equipment	120 128 726	11 671 279	13 029 561	13 468 364	10 452 642	11 538 394	12 072 408			
Motor vehicles	62 474 248	6 237 595	7 198 696	7 365 643	5 534 696	6 436 453	6 547 681			
Bodies for motor vehicles, trailers and semi-trailers	5 059 306	542 865	595 030	611 187	463 812	475 676	520 027			
Parts and accessories	43 962 506	4 196 855	4 518 784	4 783 025	3 760 566	3 994 229	4 295 750			
Other transport equipment	8 632 666	693 964	717 051	708 509	693 568	632 036	708 950			
Other manufacturing divisions	35 644 657	3 430 579	3 836 795	3 838 465	2 968 901	3 235 972	3 339 688			
Furniture	9 172 117	1 034 014	1 054 606	1 127 848	795 759	840 955	872 069			
Other manufacturing groups	26 472 540	2 396 565	2 782 189	2 710 617	2 173 142	2 395 018	2 467 620			
	795 948 690	75 806 307	76 767 896	79 457 931	68 419 283	70 195 517	71 569 359			

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		
		1/		Percentage change between			Percentage change between
		November 2004	November 2005	November 2004 and November 2005	October 2005	November 2005	October and November 2005
Food and beverages	148 166 706	13 793 531	14 239 273	+3,2	12 804 233	13 066 270	+2,0
Meat, fish, fruit etc.	34 066 776	3 140 284	3 306 422	+5,3	2 884 376	3 037 408	+5,3
Dairy products	12 541 040	1 138 306	1 192 022	+4,7	1 112 708	1 094 223	-1,7
Grain mill products	26 921 896	2 312 872	2 199 809	-4,9	2 066 546	2 111 514	+2,2
Other food products	38 546 806	3 732 885	3 925 177	+5,2	3 409 636	3 492 640	+2,4
Beverages	36 090 188	3 469 184	3 615 843	+4,2	3 330 967	3 330 484	-0,0
Textiles, clothing, leather and footwear	39 372 990	3 751 873	3 910 482	+4,2	3 133 453	3 290 797	+5,0
Textiles	7 546 592	634 968	571 433	-10,0	504 010	514 947	+2,2
Other textile products	9 971 756	1 007 375	1 138 322	+13,0	911 858	962 336	+5,5
Knitted, crocheted articles	2 194 175	168 874	158 015	-6,4	138 818	142 304	+2,5
Wearing apparel	12 594 911	1 257 866	1 377 751	+9,5	1 035 165	1 092 318	+5,5
Leather and leather products	4 400 514	404 400	383 145	-5,3	336 373	354 932	+5,5
Footwear	2 665 042	278 390	281 816	+1,2	207 229	223 960	+8,1
Wood and wood products, paper, publishing and printing	71 605 117	6 791 077	7 489 586	+10,3	6 520 820	6 625 895	+1,6
Sawmilling and planing of wood	3 399 057	334 043	378 369	+13,3	344 330	335 715	-2,5
Products of wood	10 560 517	1 059 803	1 192 703	+12,5	987 735	1 051 755	+6,5
Paper and paper products	32 762 231	2 839 089	3 099 639	+9,2	2 899 502	2 880 080	-0,7
Publishing	10 699 596	1 064 356	1 302 484	+22,4	1 043 980	1 108 972	+6,2
Printing, recorded media	14 183 716	1 493 786	1 516 391	+1,5	1 245 273	1 249 373	+0,3
Petroleum, chemical products, rubber and plastic products	158 936 314	15 300 333	15 085 223	-1,4	14 285 915	13 662 269	-4,4
Coke, petroleum products and nuclear fuel	52 795 117	5 003 738	3 923 686	-21,6	5 029 556	3 912 200	-22,2
Basic chemicals	31 059 525	3 082 603	3 589 953	+16,5	2 780 978	3 121 252	+12,2
Other chemical products	44 456 759	4 230 109	4 492 357	+6,2	3 826 094	3 974 633	+3,9
Rubber products	9 188 141	849 963	749 054	-11,9	700 014	692 125	-1,1
Plastic products	21 436 772	2 133 920	2 330 173	+9,2	1 949 272	1 962 059	+0,7
Glass and non-metallic mineral products	22 892 021	2 251 509	2 581 852	+14,7	2 249 509	2 266 763	+0,8
Glass and glass products	4 009 906	445 429	486 984	+9,3	392 061	383 859	-2,1
Non-metallic mineral products	18 882 115	1 806 080	2 094 868	+16,0	1 857 449	1 882 904	+1,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	168 940 494	16 066 271	15 848 567	-1,4	13 717 544	14 481 665	+5,6
Basic iron and steel products	60 105 177	5 596 628	4 854 488	-13,3	4 178 990	4 760 198	+13,9
Non-ferrous metal products	22 348 971	2 034 176	2 289 501	+12,6	1 983 611	2 089 104	+5,3
Structural metal products	13 225 258	1 225 354	1 255 444	+2,5	1 096 051	1 128 706	+3,0
Other fabricated metal products	27 049 509	2 552 975	2 756 951	+8,0	2 309 050	2 446 387	+5,9
General purpose machinery	17 627 230	1 604 419	1 676 081	+4,5	1 494 660	1 550 336	+3,7
Special purpose machinery	19 468 320	1 988 773	1 926 992	-3,1	1 865 948	1 752 686	-6,1
Household appliances	9 116 029	1 063 946	1 089 110	+2,4	789 234	754 248	-4,4
Electrical machinery	19 284 876	1 814 426	1 916 412	+5,6	1 710 395	1 726 730	+1,0
Radio, television and communication apparatus and professional equipment	10 976 789	935 429	1 079 707	+15,4	999 282	1 036 874	+3,8
Radio, television and communication apparatus	5 457 267	466 295	585 400	+25,5	521 612	563 627	+8,1
Professional equipment	5 519 522	469 134	494 307	+5,4	477 669	473 247	-0,9
Motor vehicles, parts and accessories and other transport equipment	120 128 726	11 671 279	13 468 364	+15,4	11 538 394	12 072 408	+4,6
Motor vehicles	62 474 248	6 237 595	7 365 643	+18,1	6 436 453	6 547 681	+1,7
Bodies for motor vehicles, trailers and semi-trailers	5 059 306	542 865	611 187	+12,6	475 676	520 027	+9,3
Parts and accessories	43 962 506	4 196 855	4 783 025	+14,0	3 994 229	4 295 750	+7,5
Other transport equipment	8 632 666	693 964	708 509	+2,1	632 036	708 950	+12,2
Other manufacturing divisions	35 644 657	3 430 579	3 838 465	+11,9	3 235 972	3 339 688	+3,2
Furniture	9 172 117	1 034 014	1 127 848	+9,1	840 955	872 069	+3,7
Other manufacturing groups	26 472 540	2 396 565	2 710 617	+13,1	2 395 018	2 467 620	+3,0
	795 948 690	75 806 307	79 457 931	+4,8	70 195 517	71 569 359	+2,0

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 majors groups	Weights	Indices (base 2000=100)			Value of sales (R'000)		
		September to November 2004	September to November 2005	Annual percentage change between September to November 2004 and September to November 2005	September to November 2004	September to November 2005	Annual percentage change between September to November 2004 and September to November 2005
Food and beverages	16,4	124,1	129,0	+3,9	39 681 515	41 025 465	+3,4
Meat, fish, fruit etc.	2,6	127,4	131,2	+3,0	9 051 928	9 567 257	+5,7
Dairy products	1,1	109,2	113,5	+3,9	3 367 979	3 540 646	+5,1
Grain mill products	1,5	125,4	128,0	+2,1	6 835 549	6 392 618	-6,5
Other food products	6,8	114,3	122,0	+6,7	10 549 056	11 049 379	+4,7
Beverages	4,3	141,0	143,4	+1,7	9 877 003	10 475 565	+6,1
Textiles, clothing, leather and footwear	5,4	111,6	109,5	-1,9	10 980 041	10 990 345	+0,1
Textiles	1,2	98,9	90,0	-9,0	1 928 911	1 704 859	-11,6
Other textile products	1,2	127,6	129,6	+1,6	2 851 849	3 111 198	+9,1
Knitted, crocheted articles	0,3	99,2	87,5	-11,8	522 175	458 959	-12,1
Wearing apparel	2,0	117,4	118,4	+0,9	3 611 710	3 755 189	+4,0
Leather and leather products	0,3	104,8	99,7	-4,9	1 228 509	1 154 310	-6,0
Footwear	0,4	92,3	92,3	-0,0	836 887	805 830	-3,7
Wood and wood products, paper, publishing and printing	11,0	115,7	120,5	+4,1	19 890 046	21 612 197	+8,7
Sawmilling and planing of wood	0,7	117,4	120,4	+2,6	950 938	1 112 568	+17,0
Products of wood	1,0	138,3	140,9	+1,9	3 105 376	3 477 954	+12,0
Paper and paper products	4,8	108,0	112,1	+3,8	8 704 142	9 163 808	+5,3
Publishing	2,4	110,7	125,1	+13,0	3 020 930	3 561 908	+17,9
Printing, recorded media	2,1	127,5	124,3	-2,5	4 108 660	4 295 959	+4,6
Petroleum, chemical products, rubber and plastic products	22,5	114,7	118,5	+3,3	43 379 432	46 616 771	+7,5
Coke, petroleum, nuclear fuel	9,1	94,6	94,1	-0,5	13 327 233	14 473 420	+8,6
Basic chemicals	4,0	113,9	129,1	+13,3	9 188 835	10 225 058	+11,3
Other chemical products	5,4	136,7	138,9	+1,6	12 392 459	13 015 931	+5,0
Rubber products	1,1	109,8	93,5	-14,8	2 441 489	2 223 818	-8,9
Plastic products	3,0	139,7	152,0	+8,8	6 029 416	6 678 544	+10,8
Glass and non-metallic mineral products	3,9	125,6	141,4	+12,6	6 635 772	7 587 691	+14,3
Glass and glass products	1,1	139,8	161,9	+15,8	1 217 066	1 401 188	+15,1
Non-metallic mineral products	2,9	120,3	133,7	+11,1	5 418 706	6 186 503	+14,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	121,6	120,4	-1,0	46 721 870	45 128 778	-3,4
Basic iron and steel products	5,5	119,5	100,9	-15,6	16 963 276	13 671 550	-19,4
Non-ferrous metal products	4,7	108,4	115,3	+6,4	6 070 134	6 446 434	+6,2
Structural metal products	1,3	128,8	128,6	-0,2	3 501 795	3 643 946	+4,1
Other fabricated metal products	4,2	122,8	126,0	+2,6	7 406 013	7 922 784	+7,0
General purpose machinery	2,4	127,0	123,4	-2,8	4 742 906	4 885 116	+3,0
Special purpose machinery	3,2	132,7	144,6	+9,0	5 276 908	5 723 970	+8,5
Household appliances	1,2	130,7	134,7	+3,1	2 760 838	2 834 978	+2,7
Electrical machinery	2,7	107,4	106,2	-1,1	5 306 090	5 606 659	+5,7
Radio, television and communication apparatus and professional equipment	1,3	112,7	127,6	+13,2	2 741 059	3 262 924	+19,0
Radio, television and communication apparatus	0,7	87,8	107,5	+22,4	1 391 987	1 760 064	+26,4
Professional equipment	0,6	138,0	148,1	+7,3	1 349 072	1 502 860	+11,4
Motor vehicles, parts and accessories and other transport equipment	8,6	134,6	149,7	+11,2	34 660 600	39 752 103	+14,7
Motor vehicles	4,1	131,4	157,7	+20,0	18 214 868	21 809 516	+19,7
Bodies for motor vehicles, trailers and semi-trailers	0,4	160,7	190,7	+18,7	1 638 567	1 828 405	+11,6
Parts and accessories	3,1	146,4	153,4	+4,8	12 451 102	13 966 440	+12,2
Other transport equipment	1,0	101,4	89,1	-12,1	2 356 063	2 147 742	-8,8
Other manufacturing divisions	5,8	125,5	128,8	+2,6	10 242 409	11 322 916	+10,5
Furniture	1,6	149,0	162,4	+9,0	2 826 020	3 147 332	+11,4
Other manufacturing groups	4,2	116,6	116,1	-0,4	7 416 389	8 175 584	+10,2
Total manufacturing	100,0	120,3	124,3	+3,3	220 238 834	232 905 849	+5,8

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 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. |
| | 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 | 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. |
| | 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. |
| Scope of the survey | 5 | This survey covers manufacturing enterprises, i.e. those conducting activities in - <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 | 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. |
| Statistical unit | 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. |
| Weighting methodology | 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 . |
| | 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). |

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 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.</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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