

Manufacturing: Production and sales

November 2003

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Key figures as at the end of November 2003

Actual estimates	November 2003	% change between November 2002 and November 2003	% change between October 2003 and November 2003	% change between September 2002 to November 2002 and September 2003 to November 2003	% change between January 2002 to November 2002 and January 2003 to November 2003
Physical volume of manufacturing production index (2000=100)	116,5	-3,8	-1,2	-3,3	-2,3
Total value of sales of manufactured products (R million)	56 129,6	-4,9	+0,2	-4,6	+0,1

Seasonally adjusted estimates

	November 2003	% change between November 2002 and November 2003	% change between October 2003 and November 2003	% change between June 2003 to August 2003 and September 2003 to November 2003
Physical volume of manufacturing production index (2000=100)	104,8	-3,4	-1,8	+0,4
Total value of sales of manufactured products (R million)	50 433,4	-4,8	-1,4	+0,1

Key findings as at the end of November 2003

Manufacturing production increases

Manufacturing production for the three months ended November 2003 reflected an increase of 0,4%, after seasonal adjustment, compared with the previous three months. Higher production was reported by 14 of the 27 manufacturing divisions. However, the manufacturing production for November 2003, after seasonal adjustment, reflected a decrease of 1,8% compared with October 2003. Furthermore, the actual manufacturing production for the first eleven months of 2003 reflected a decrease of 2,3% compared with the first eleven months of 2002.

The major contributor to the increase of 0,4%, after seasonal adjustment, in the total manufacturing production was the basic iron and steel products division (contributing +0,7 of a percentage point to total manufacturing production) and the basic precious and non-ferrous metal products division (contributing +0,2 of a percentage point). However, these increases were partially counteracted by a large decrease reported by the basic chemicals (contributing -0,3 of a percentage point) division (see table A).

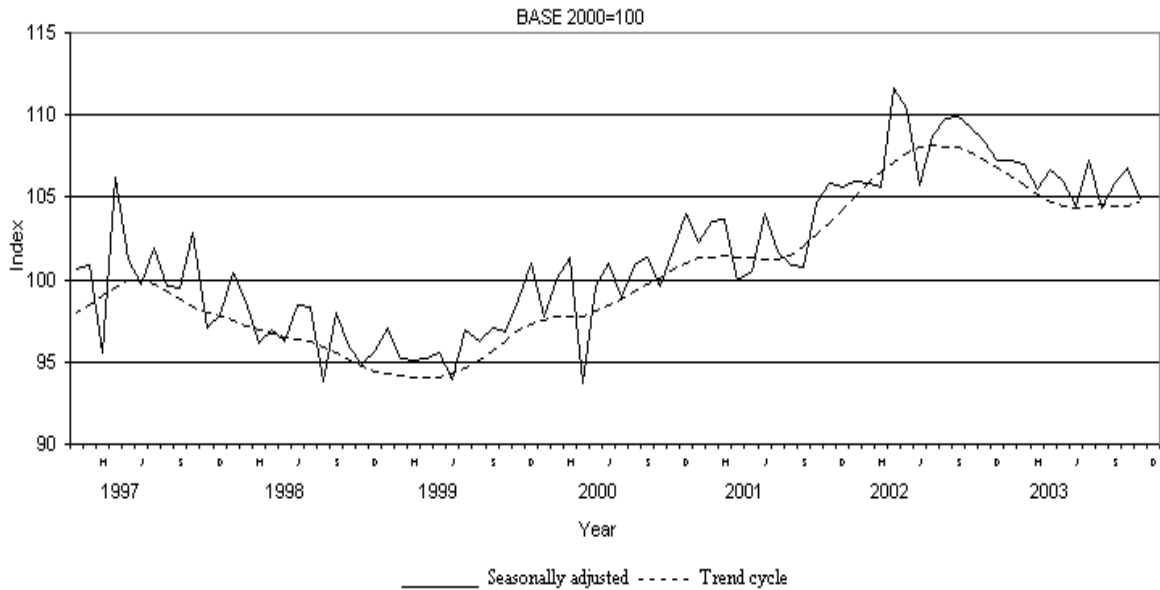
Figure 1 – Index of the physical volume of manufacturing production

Table A - Contribution of the production by the different manufacturing divisions to the total manufacturing production (Base 2000=100)

Manufacturing Divisions	Percentage contribution to the total manufacturing production using the weights according to 1996 Census of Manufacturing	Average seasonally adjusted production index for the three months September 2003 to November 2003	Quarterly percentage change of September 2003 to November 2003 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and food products	10,7	103,5	+0,2	+0,0
Beverages	4,6	114,5	-0,5	-0,0
Total textiles	2,9	92,9	-0,1	-0,0
Total wearing apparel	3,6	97,3	-1,5	-0,1
Tanning and dressing of leather	0,4	95,9	-1,6	-0,0
Footwear	0,9	76,9	+1,6	+0,0
Wood and products of wood	1,9	102,8	-4,4	-0,1
Paper and paper products	5,3	100,3	+1,4	+0,1
Total publishing and printing	4,1	101,3	+1,3	+0,1
Coke and refined petroleum products	4,2	103,5	-2,2	-0,1
Basic chemicals	4,5	101,0	-5,7	-0,3
Other chemical products	6,2	107,4	+0,8	+0,1
Rubber products	1,4	96,3	-4,6	-0,1
Plastic products	3,1	121,0	+1,5	+0,1
Glass and glass products	1,0	118,0	+0,6	+0,0
Other non-metallic mineral products	3,5	98,9	+2,6	+0,1
Basic iron and steel products	7,6	108,7	+9,4	+0,7
Basic precious and non-ferrous metal products	3,2	104,3	+5,1	+0,2
Fabricated metal products	7,0	113,3	-0,7	-0,1
Total machinery and equipment	5,8	121,7	-1,6	-0,1
Electrical machinery, apparatus	3,4	107,2	+1,9	+0,1
Radio, television and communication apparatus	1,0	88,4	+8,9	+0,1
Professional equipment	0,5	122,6	+6,8	+0,0
Motor vehicles; trailers; parts and accessories	8,0	108,5	-1,2	-0,1
Other transport equipment	1,0	108,0	+9,2	+0,1
Furniture	1,6	102,2	-3,6	-0,1
Other manufacturing divisions	2,6	89,7	-3,9	-0,1
Total	100,0	105,8	+0,4	+0,4

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.

Sales of manufactured products increase

The total value of sales of manufactured products at current prices for the three months ended November 2003 reflected a marginal increase of 0,1% (+R94 million), after seasonal adjustment, compared with the previous three months. Higher manufacturing sales were reported by 14 of the 27 manufacturing divisions during this period (see table B). Furthermore, the actual value of sales of manufactured products at current prices for the first eleven months of 2003 also reflected a marginal increase of 0,1% compared with the first eleven months of 2002. However, the actual value of sales of manufactured products at current prices for the three months ended November 2003 reflected a decrease of 4,6% compared with the three months ended November 2002 (see table C).

The increase of 0,1% after seasonal adjustment in the total value of sales of manufactured products at current prices for the three months ended November 2003 compared with the previous three months was mainly due to large increases reported by the 'other' manufacturing industries (+7,4% or +R322 million), basic precious and non-ferrous metal products (+6,7% or +R311 million), machinery and equipment (+4,2% or +R304 million) and coke and refined petroleum products (+4,1% or +R352 million) divisions. However, these increases were counteracted by large decreases reported by the motor vehicles, trailers, parts and accessories (-4,2% or -R851 million), basic iron and steel products (-3,9% or -R524 million) and food and food products (-2,0% or -R413 million) divisions (see table B).

Table B - Contribution of the manufacturing divisions to the total value of seasonally adjusted sales of manufactured products

Manufacturing Divisions	Seasonally adjusted sales September 2003 to November 2003	Percentage change between June 2003 to August 2003 and September 2003 to November 2003	Difference in seasonally adjusted sales of manufacturing divisions between June 2003 to August 2003 and September 2003 to November 2003
	R'000		R'000
Food and food products	20 457 765	-2,0	-413 443
Beverages	7 729 097	+3,6	271 067
Total textiles	3 006 128	-1,6	-47 373
Total wearing apparel	3 225 872	+1,7	53 221
Tanning and dressing of leather	739 170	-8,2	-65 711
Footwear	529 930	+3,6	18 318
Wood and products of wood	3 199 481	-4,6	-155 179
Paper and paper products	7 370 391	-0,5	-35 592
Total publishing and printing	3 827 672	-1,5	-59 029
Coke and refined petroleum products	9 018 553	+4,1	352 282
Basic chemicals	7 415 388	+2,1	154 062
Other chemical products	9 195 131	+1,3	113 706
Rubber products	1 641 454	-3,1	-53 041
Plastic products	4 015 409	+3,2	125 851
Glass and glass products	827 422	-5,8	-51 134
Other non-metallic mineral products	3 865 618	+5,9	215 618
Basic iron and steel products	12 873 818	-3,9	-524 399
Basic precious and non-ferrous metal products	4 949 122	+6,7	311 439
Fabricated metal products	8 815 291	-1,4	-129 254
Total machinery and equipment	7 572 848	+4,2	304 433
Electrical machinery, apparatus	4 393 249	-0,1	-2 858
Radio, television and communication apparatus	1 391 366	+21,1	242 856
Professional equipment	542 258	+12,2	58 759
Motor vehicles; trailers; parts and accessories	19 233 348	-4,2	-850 795
Other transport equipment	994 664	+6,7	62 615
Furniture	1 783 187	-6,5	-124 774
Other manufacturing industries	4 656 513	+7,4	322 087
Total	153 270 149	+0,1	93 736

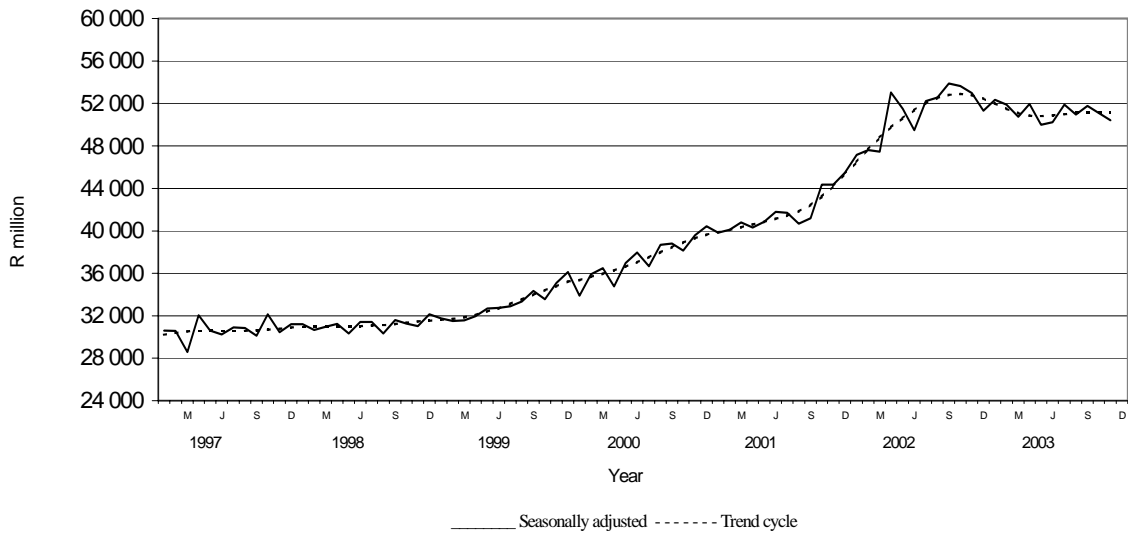
The major contributors to the decrease of 4,6% in the actual value of sales of manufactured products at current prices for the three months ended November 2003 compared with the three months ended November 2002 were the coke and refined petroleum products (-1,6 percentage points or -R2 862 million), motor vehicles, trailers, parts and accessories (-0,9 of a percentage point or -R1 539 million), food and food products (-0,7 of a percentage point or -R1 194 million), basic iron and steel products (-0,5 of a percentage point or -R871 million) and basic chemicals (-0,4 of a percentage point or -R761 million) divisions. However, these decreases were partially counteracted by large increases reported by the beverage (+0,4 of a percentage point or +R703 million) and machinery and equipment (+0,4 of a percentage point or +R680 million) divisions (see table C).

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

Manufacturing	Percentage contribution to total value of sales of manufactured products September 2002 to November 2002	Percentage change between September 2002 to November 2002 and September 2003 to November 2003	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between September 2002 to November 2002 and September 2003 to November 2003
				R'000
Food and food products	13,2	-5,2	-0,7	-1 194 152
Beverages	4,3	9,4	0,4	703 151
Total textiles	2,2	-13,5	-0,3	-516 530
Total wearing apparel	2,2	-0,9	-0,0	-34 748
Tanning and dressing of leather	0,5	-16,2	-0,1	-150 533
Footwear	0,4	-7,9	-0,0	-55 473
Wood and products of wood	2,2	-5,4	-0,1	-204 262
Paper and paper products	4,8	-4,8	-0,2	-399 408
Total publishing and printing	2,3	6,1	0,1	249 544
Coke and refined petroleum products	7,0	-23,5	-1,6	-2 861 792
Basic chemicals	5,2	-8,4	-0,4	-760 813
Other chemical products	5,9	-1,0	-0,1	-97 361
Rubber products	1,1	-6,3	-0,1	-116 844
Plastic products	2,5	1,2	0,0	-54 392
Glass and glass products	0,6	-2,3	-0,0	-23 825
Other non-metallic mineral products	2,4	2,7	0,0	112 539
Basic iron and steel products	8,2	-6,1	-0,5	-870 914
Basic precious and non-ferrous metal products	3,3	-10,1	-0,3	-579 817
Fabricated metal products	5,8	-2,4	-0,1	-242 813
Total machinery and equipment	4,2	9,5	0,4	680 326
Electrical machinery, apparatus	2,7	1,5	0,0	-68 821
Radio, television and communication apparatus	0,7	10,7	0,1	136 896
Professional equipment	0,3	2,2	0,0	-11 592
Motor vehicles; trailers; parts and accessories	13,0	-6,8	-0,9	-1 538 617
Other transport equipment	0,7	-15,5	-0,1	-195 719
Furniture	1,4	-6,4	-0,1	-154 659
Other manufacturing divisions	2,8	0,3	0,0	-15 633
Total	100,0	-4,6	-4,6	-7 965 386

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, divided by 100.

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



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Forthcoming issues	Issue	Expected release date
	December 2003	10 February 2004
	January 2004	9 March 2004
	February 2004	6 April 2004
	March 2004	11 May 2004
	April 2004	8 June 2004
	May 2004	6 July 2004
	June 2004	10 August 2004
Purpose of the survey	<p>The monthly Manufacturing Production and Sales survey is a survey covering a sample of private establishments, public corporations and government establishments operating in the manufacturing industry in the South African economy. The results of this survey are used to calculate physical volume of manufacturing production indices in order to estimate the Gross Domestic Product (GDP) to monitor and develop government policy.</p>	
Response rates	<p>The response rate for the survey on manufacturing production and sales for October 2003 was 78,6% and for November 2003 it was 64,6 %.</p>	

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

Base 2000 = 100							
Month	1997	1998	1999	2000	2001	2002	2003
Actual indices							
J	85,3	85,8	83,6	85,2	89,5	92,7	93,6
F	99,1	97,2	93,7	98,7	102,0	104,5	105,5
M	98,4	98,9	97,9	104,8	107,3	109,6	109,4
A	100,9	92,3	90,7	89,0	94,6	105,3	100,7
M	101,7	96,8	95,9	99,9	100,8	110,7	106,0
J	100,9	99,6	94,8	102,1	105,0	106,7	105,6
J	103,9	99,9	98,3	100,1	102,7	109,9	107,9
A	101,9	95,6	97,7	102,5	102,6	111,9	106,3
S	104,3	102,3	100,9	104,8	104,0	113,1	108,8*
O	115,2	106,9	107,3	109,8	115,5	120,6	117,9
N	107,9	105,5	109,9	113,6	118,1	121,1	116,5 1/
D	83,5	81,8	86,3	89,5	91,3	92,6	
Year	100,3	96,9	96,4	100,0	102,8	108,2	
Seasonally adjusted indices							
J	100,6	100,4	97,1	97,8	102,3	106,0	107,2
F	100,9	98,7	95,2	100,1	103,6	105,8	107,0
M	95,5	96,1	95,1	101,4	103,6	105,6	105,5
A	106,2	97,0	95,2	93,7	99,9	111,7	106,6
M	101,2	96,3	95,6	99,6	100,5	110,5	106,0
J	99,7	98,5	93,9	100,9	104,0	105,7	104,5
J	101,9	98,3	97,0	98,9	101,7	108,8	107,2
A	99,5	93,8	96,2	100,9	100,9	109,7	104,3
S	99,5	98,0	97,1	101,2	100,8	109,9	105,8
O	102,8	95,9	96,7	99,5	104,6	109,1	106,7
N	97,1	94,8	98,8	102,0	105,8	108,5	104,8
D	97,9	95,7	101,0	104,0	105,6	107,2	

* Revised

1/ Preliminary

Table 2 - 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 2002	Actual indices			Seasonally adjusted indices				
			November	October	November1/	November	October	November		
			2002		2003		2002		2003	
Food and food products	10,7	101,6	110,7	111,3	109,2	100,7	104,5	99,4		
Meat, fish, fruit etc.	2,8	113,1	121,6	120,3	121,3	115,7	113,3	115,5		
Dairy products	1,4	100,7	107,4	104,4	105,6	97,3	99,3	96,0		
Grain mill products	2,1	113,6	116,9	114,2	108,3	111,9	108,7	103,7		
Other food products	4,4	88,7	101,7	106,3	102,9	86,7	98,5	88,0		
Beverages	4,6	112,4	136,0	125,3	130,3	118,9	117,0	114,3		
Total textiles	2,9	111,6	132,5	111,9	104,9	113,7	100,2	89,1		
Textiles	1,7	110,4	128,9	105,8	91,8	115,1	95,4	81,6		
Other textile products	1,2	113,3	137,5	120,5	123,4	111,7	107,1	99,8		
Total wearing apparel	3,6	101,9	125,7	129,7	114,1	102,8	103,9	93,4		
Knitted, crocheted articles	0,6	111,2	132,7	125,5	114,8	115,5	106,9	99,7		
Wearing apparel	3,0	100,0	124,3	130,6	113,9	100,3	103,3	92,2		
Tanning and dressing of leather	0,4	96,9	106,0	108,9	102,6	96,0	100,0	93,5		
Footwear	0,9	82,0	102,0	97,5	87,7	85,5	77,4	73,8		
Wood and products of wood	1,9	110,6	132,5	120,3	114,3	115,7	108,3	100,7		
Sawmilling and planing of wood	0,8	108,3	118,6	125,4	121,7	110,8	117,0	114,4		
Products of wood	1,2	112,1	141,7	117,0	109,5	118,9	102,7	91,8		
Paper and paper products	5,3	103,1	105,8	102,2	108,0	99,6	99,3	101,8		
Total publishing and printing	4,1	94,8	108,8	115,7	120,0	92,9	103,2	102,6		
Publishing	1,5	91,3	104,7	102,8	119,6	90,1	94,1	102,4		
Printing, recorded media	2,6	96,8	111,1	123,0	120,3	94,5	108,3	102,7		
Coke and refined petroleum products	4,2	102,5	97,8	102,2	108,9	95,3	101,6	106,4		
Basic chemicals	4,5	119,1	126,5	120,8	108,9	111,5	105,4	97,0		
Other chemical products	6,2	111,5	124,2	121,3	121,7	109,5	108,7	107,5		
Rubber products	1,4	109,9	128,2	103,7	103,4	114,9	96,2	92,3		
Plastic products	3,1	124,3	143,7	139,7	139,9	124,7	122,7	121,7		
Glass and glass products	1,0	118,9	131,4	130,9	132,3	114,4	117,5	116,4		
Other non-metallic mineral products	3,5	104,5	117,0	119,7	106,7	105,0	104,7	96,0		
Basic iron and steel products	7,6	106,0	115,3	118,3	116,0	109,9	110,3	110,4		
Basic precious and non-ferrous metal products	3,2	100,8	105,8	105,5	109,3	103,5	104,3	106,9		
Fabricated metal products	7,0	119,6	134,7	126,0	131,5	117,9	113,7	115,3		
Structural metal products	2,4	116,8	130,5	116,3	120,6	112,7	107,1	104,7		
Other fabricated metal product	4,6	121,1	136,9	131,0	137,1	120,6	117,0	120,8		
Total machinery and equipment	5,8	121,3	132,8	123,3	128,0	127,1	116,9	122,5		
General purpose machinery	2,5	109,3	117,2	105,8	113,3	117,5	103,3	112,4		
Special purpose machinery	2,9	133,4	142,0	136,4	141,4	134,8	128,6	134,6		
Household appliances	0,4	109,4	164,2	139,1	122,6	131,8	118,1	97,3		
Electrical machinery, apparatus	3,4	103,7	119,3	113,8	126,4	106,4	102,7	112,3		
Radio, television and communication apparatus	1,0	76,8	75,8	91,9	81,3	78,2	87,6	83,9		
Professional equipment	0,5	120,8	113,8	135,6	120,7	111,5	124,6	118,4		
Motor vehicles; trailers; parts and accessories	8,0	108,8	123,6	124,0	114,4	110,5	107,5	102,3		
Motor vehicles	4,5	105,5	117,1	121,3	111,2	104,3	103,8	98,8		
Bodies for motor vehicles; trailers and semi-trailers	0,5	102,8	126,6	126,4	118,8	103,7	129,7	96,5		
Parts and accessories	3,0	114,9	132,9	127,6	118,3	120,9	109,2	108,6		
Other transport equipment	1,0	118,2	108,8	122,0	104,7	113,1	107,0	108,1		
Furniture	1,6	107,3	151,5	134,5	135,9	110,7	101,9	98,8		
Other manufacturing divisions	2,6	102,9	132,7	114,5	107,4	105,1	92,2	85,8		
Total	100,0	108,2	121,1	117,9	116,5	108,5	106,7	104,8		

* Revised
1/ Preliminary

Table 3 - Value of sales of the manufacturing industry: Total (R'000)

Month	1997	1998	1999	2000	2001	2002*	2003
Actual values							
J	25 254 480	25 913 926	26 362 762	28 647 234	33 988 164	40 286 441	44 443 867
F	29 866 793	29 901 544	30 551 283	34 961 840	39 187 078	46 552 386	50 811 316
M	29 866 272	32 190 538	32 737 212	38 039 203	42 683 525	49 232 865	52 681 625
A	30 438 604	29 758 879	30 447 208	32 651 220	37 828 090	49 747 946	49 112 612
M	30 626 091	30 352 835	32 680 898	37 038 716	41 146 142	51 664 008	50 198 782
J	30 575 542	31 723 893	33 054 424	38 710 074	42 743 527	50 265 064	50 924 204
J	31 169 707	31 732 667	33 262 293	36 234 329	41 174 318	51 869 128	51 415 551*
A	31 400 042	30 810 619	33 586 437	38 992 758	41 164 534	53 370 193	51 729 640*
S	31 344 644	32 896 327	35 703 435	39 916 972	42 295 572	55 277 787	52 952 888*
O	35 902 602	34 970 472	37 386 689	41 775 594	48 601 886	58 802 690	56 043 432
N	33 709 581	34 300 610	38 843 424	43 881 507	49 478 825	59 010 832	56 129 603 1/
D	28 128 922	29 016 347	32 992 528	37 256 576	42 207 610	47 372 378	
Year	368 283 280	373 568 657	397 608 593	448 106 023	502 499 271	613 451 718	
Seasonally adjusted values							
J	30 497 334	31 051 496	31 401 264	33 842 910	39 717 398	47 197 061	52 336 129
F	30 506 669	30 603 308	31 336 501	35 786 089	40 074 549	47 638 203	51 899 768
M	28 712 339	30 968 526	31 543 262	36 540 976	41 073 406	47 473 496	50 768 550
A	32 060 618	31 428 968	32 197 813	34 565 629	40 020 951	52 748 963	51 970 867
M	30 715 009	30 394 984	32 724 563	36 998 940	41 042 683	51 536 224	50 040 668
J	30 223 363	31 261 419	32 572 886	38 043 620	42 047 918	49 528 706	50 280 481
J	31 163 342	31 847 774	33 501 061	36 552 788	41 534 944	52 285 252	51 924 903
A	30 756 033	30 351 545	33 204 473	38 533 653	40 595 876	52 559 054	50 971 028
S	30 166 498	31 769 973	34 618 827	38 736 667	41 142 369	53 861 082	51 709 126
O	32 174 388	31 390 938	33 763 838	38 050 714	44 325 223	53 678 077	51 127 583
N	30 318 743	30 798 402	34 829 790	39 497 652	44 336 605	52 953 066	50 433 440
D	30 851 046	31 483 315	35 840 474	40 359 736	45 445 066	51 352 780	

* Revised

1/ Preliminary

Table 4 - Value of 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	November 1/	November	October	November
		2002	2003		2002	2003	
		2002	2003	2003	2002	2003	2003
Food and food products	82 673 880	7 838 840	7 284 686	7 330 030	7 109 270	6 809 098	6 657 545
Meat, fish, fruit etc.	26 328 187	2 510 781	2 394 012	2 346 797	2 300 403	2 207 644	2 157 647
Dairy products	9 221 497	901 119	918 279	857 971	809 326	853 764	775 275
Grain mill products	24 465 379	2 202 542	1 942 096	1 957 986	2 136 904	1 875 873	1 904 215
Other food products	22 658 817	2 224 398	2 030 299	2 167 276	1 862 637	1 871 817	1 820 408
Beverages	26 913 178	2 778 689	2 728 539	2 898 935	2 480 589	2 615 706	2 589 880
Total textiles	13 425 652	1 359 427	1 164 818	1 140 890	1 186 431	1 035 910	988 570
Textiles	8 654 162	866 084	715 787	678 810	777 923	641 474	608 661
Other textile products	4 771 490	493 343	449 031	462 080	408 508	394 436	379 909
Total wearing apparel	12 404 596	1 380 959	1 374 838	1 263 268	1 114 954	1 135 620	1 018 865
Knitted, crocheted articles	2 200 044	222 476	228 110	209 677	195 497	204 879	184 031
Wearing apparel	10 204 552	1 158 483	1 146 728	1 053 591	919 457	930 741	834 834
Tanning and dressing of leather	3 310 031	327 250	290 750	258 018	290 889	258 502	228 605
Footwear	2 185 578	242 746	230 856	214 274	193 026	178 867	170 781
Wood and products of wood	12 676 226	1 300 296	1 223 061	1 170 580	1 117 457	1 094 433	1 009 014
Sawmilling and planing of wood	3 496 221	346 058	364 732	361 042	311 175	319 331	325 249
Products of wood	9 180 005	954 238	858 329	809 538	806 282	775 102	683 765
Paper and paper products	29 798 377	2 685 903	2 449 745	2 715 060	2 456 398	2 394 302	2 487 151
Total publishing and printing	13 902 770	1 453 799	1 483 321	1 526 610	1 200 083	1 301 692	1 261 900
Publishing	5 309 542	533 559	554 397	611 166	459 498	503 757	523 004
Printing, recorded media	8 593 228	920 240	928 924	915 444	740 585	797 935	738 896
Coke and refined petroleum products	45 408 316	4 107 034	3 029 528	3 166 074	3 890 291	2 788 738	2 990 829
Basic chemicals	31 234 852	2 913 405	2 916 031	2 682 938	2 518 935	2 497 546	2 370 841
Other chemical products	35 440 043	3 511 937	3 474 369	3 419 697	3 089 688	3 065 977	3 019 486
Rubber products	6 678 589	657 561	596 672	599 062	598 597	545 776	543 307
Plastic products	15 136 631	1 541 239	1 509 942	1 559 501	1 321 160	1 347 315	1 338 226
Glass and glass products	3 291 669	342 394	326 001	340 742	276 043	259 755	277 196
Other non-metallic mineral products	14 496 579	1 389 865	1 531 114	1 428 857	1 240 626	1 350 079	1 279 976
Basic iron and steel products	48 571 369	4 619 340	4 456 978	4 386 001	4 441 371	4 209 155	4 226 055
Basic precious and non-ferrous metal products	21 725 348	1 979 524	1 685 867	1 685 605	1 885 425	1 645 846	1 606 614
Fabricated metal products	34 231 948	3 425 597	3 256 601	3 403 808	2 934 671	2 949 359	2 922 875
Structural metal products	10 580 226	1 065 343	974 524	984 035	915 731	886 739	854 698
Other fabricated metal product	23 651 722	2 360 254	2 282 077	2 419 773	2 018 939	2 062 620	2 068 177
Total machinery and equipment	26 973 792	2 513 248	2 634 379	2 629 640	2 409 305	2 568 961	2 535 089
General purpose machinery	11 502 057	1 052 274	1 112 727	1 143 697	991 505	1 109 961	1 074 411
Special purpose machinery	12 739 713	1 097 170	1 216 224	1 203 644	1 126 718	1 206 284	1 235 894
Household appliances	2 732 022	363 804	305 428	282 299	291 082	252 715	224 784
Electrical machinery, apparatus	16 926 563	1 744 741	1 544 149	1 738 545	1 524 303	1 440 596	1 509 447
Radio, television and communication apparatus	4 503 712	391 678	480 666	418 556	425 950	481 746	451 835
Professional equipment	2 028 861	171 823	184 109	182 958	165 740	178 668	177 853
Motor vehicles; trailers; parts and accessories	80 135 661	7 398 825	7 244 009	7 187 987	6 575 791	6 406 085	6 381 479
Motor vehicles	56 136 383	5 054 141	4 917 497	5 024 341	4 492 644	4 387 907	4 459 974
Bodies for motor vehicles; trailers and semi-trailers	2 115 216	230 134	259 601	225 604	200 223	235 735	197 471
Parts and accessories	21 884 062	2 114 550	2 066 911	1 938 042	1 882 923	1 782 443	1 724 033
Other transport equipment	4 370 041	346 793	389 570	334 110	353 499	337 567	336 883
Furniture	7 258 444*	934 148	789 950	820 599	658 353	595 485	576 389
Other manufacturing divisions	17 749 012	1 653 771	1 762 883	1 627 258	1 494 221	1 634 800	1 476 749
Total	613 451 718	59 010 832	56 043 432	56 129 603	52 953 066	51 127 583	50 433 440

* Revised

1/ Preliminary

Table 5 - Value of unfilled orders according to selected manufacturing subgroups (R'000)

Selected manufacturing subgroups	Actual values			Seasonally adjusted values		
	November	October	November 1/	November	October	November
	2002	2003		2002	2003	
Spinning, weaving and finishing of textiles	308 893	234 839	242 634	310 423	237 057	243 699
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	33 668	43 997	28 707	42 960	42 518	37 044
Other textile articles	90 881	98 208	86 775	87 031	89 118	82 317
Knitted and crocheted fabrics and articles	149 760	119 018	101 438	148 695	107 256	100 875
Wearing apparel	799 374	662 350	628 442	791 995	607 168	620 766
Sawmilling and preserving of timber	25 821	22 543	24 940	25 059	24 299	24 138
Veneer sheets, plywood, laminboard, etc.	30 111	31 210	32 550	27 915	28 349	30 168
Builders' carpentry and joinery	52 153	36 113	42 984	42 666	34 591	35 094
Pulp, paper and paperboard	332 257	381 683	269 842	251 482	308 303	203 191
Corrugated paper and paper-board and containers	386 123	376 803	399 811	364 340	364 862	378 176
Paints, varnishes and coatings	21 820	34 840	29 207	19 582	30 413	26 377
Basic iron and steel products	4 596 652	5 475 935	5 565 410	4 636 053	5 350 219	5 640 419
Steel pipe and tube mills	461 238	273 085	283 757	470 120	274 226	291 419
Basic precious and non-ferrous metal products	1 728 349	1 346 664	1 436 461	1 868 206	1 328 602	1 556 576
Metal structures, parts	1 456 129	1 005 939	973 046	1 458 656	970 457	974 965
Cutlery, hand tools and general hardware	32 583	37 465	29 828	30 366	40 164	27 630
Metal containers, e.g. cans and tins	69 594	67 812	64 823	69 454	70 188	64 959
Cables, wire products, springs	54 854	87 364	82 217	54 888	81 571	82 235
Metal fasteners	88 801	80 544	72 506	85 371	73 001	69 686
All other metal products	1 018 237	940 754	903 178	921 579	977 380	809 820
Domestic appliances	31 415	31 197	32 184	29 200	27 804	29 592
Electric motors, generators and transformers	561 059	487 306	478 727	567 966	491 445	485 176
Insulated wire and cables	358 995	311 751	299 797	382 024	312 380	319 888
Accumulators, primary cells and primary batteries	5 597	3 626	3 894	5 533	3 707	3 837
Television, radio and communication apparatus	2 000 547	2 273 599	2 174 293	2 224 018	2 393 794	2 424 317
Motor vehicles	2 580 435	3 311 798	3 056 348	2 626 852	3 448 028	3 130 366
Parts and accessories for motor vehicles	347 765	289 429	313 550	378 140	314 514	339 387
Furniture	319 584	373 671	333 073	277 269	245 208	287 722

* Revised

Explanatory notes

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry covering private manufacturing establishments, public corporations and government establishments. This statistical release contains historical information regarding indices of the physical volume of manufacturing production, the total value of sales of manufactured products and unfilled orders, according to manufacturing divisions and major groups on a monthly basis.
 - 2 In accordance with international practice, the indices have to be re-based every five years to a new base year. The indices in this statistical release have been calculated on the basis of 2000=100. Both actual and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the current month (November 2003) have been estimated due to late response. These estimates will be revised in future statistical release(s) as soon as more up-to-date information is available.
- Scope of the survey**
- 4 This survey covers manufacturing establishments conducting activities regarding -
the manufacturing, processing, making or packing of products;
the slaughtering of animals, including poultry; and
installation, assembly, completion, repair and related work.
- Classification**
- 5 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division and major group level. Each statistical unit is classified to an industry which reflects the predominant activity of the establishment .
- Statistical unit**
- 6 The basic statistical unit for the collection of information is the manufacturing establishment. An establishment is the smallest economic unit that functions as a separate entity. Each statistical unit is classified to an industry (see paragraph 5).
- Weighting**
- 7 A weight is calculated for every major group according to the value added of the relevant major group compared with the value added of the total manufacturing industry based on the 1991, 1993 and 1996 Censuses of Manufacturing. Weights between census years are fixed and are based on the results of the most recent Census of Manufacturing. The production indices of all the major groups are multiplied by the applicable weights and aggregated to reflect the total physical volume of manufacturing production index (see table D for the fixed weights which were used for the three periods 1990 to 1992, 1993 to 1995 and 1996 to 2003).
- Re-basing**
- 8 In accordance with international practice, the indices have to be re-based every five years to a new base year. The indices in this statistical release have been calculated on the basis of 2000=100. The first results on this basis were published in the December 2002 statistical release. Both actual and seasonally adjusted figures are presented.
- Survey methodology and design**
- 9 The calculation of the monthly production indices is based on the value of products and articles manufactured, after the effect of price changes has been eliminated through deflation by using appropriate sub-indices of the Production Price Index (PPI). The value of the manufactured products is obtained from a monthly survey of manufacturing establishments in the private and public sectors.
 - 10 The survey is collected by mail each month from a sample of approximately 2 400 manufacturing establishments.