

## P3041.2

### MANUFACTURING: production and sales

August 1998  
Embargo: 13:00  
Date: 15 October 1998

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#### MANUFACTURING PRODUCTION CONTINUES TO DECREASE

*Manufacturing production for the three months up to August 1998 reflected a decrease of 1,5% after seasonal adjustment compared with the previous three months. Lower production was reported by 15 of the 27 manufacturing major divisions. The decrease can mainly be attributed to strike action during August 1998 reported by the petroleum, chemical, plastic and motor vehicle manufacturers.*

The major contributors to the decrease of 1,5% were the machinery (-0,6 of a percentage point), motor vehicle (-0,5 of a percentage point), other chemicals (-0,4 of a percentage point) and plastic (-0,2 of a percentage point) divisions. However, production in the food division increased by 0,5 of a percentage point.

The total value of sales of manufactured products for the three months up to August 1998 reflected a slight increase of 0,4% (+R329 million) after seasonal adjustment compared with the previous three months. The largest increases were recorded by the food products (+R614 million), basic iron and steel (+R500 million) and basic non-ferrous (+R330 million) divisions. However, the machinery and motor vehicle divisions recorded decreases of R372 million and R737 million respectively.

#### NOTES

1. This statistical release shows the indices of the physical volume of manufacturing production and the value of sales and unfilled orders, **after benchmarking**, according to manufacturing divisions and major groups. Furthermore, in accordance with international practice, the indices were recalculated on the basis of 1995=100. Both actual and seasonally adjusted figures are shown. **The former TBVC states are included.**
2. In order to improve timeliness, some information for the current month may have been estimated due to late response. These estimates will be revised in the next issue(s) as soon as better information is available.
3. 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 sample survey of manufacturing establishments in the private and public sectors.
4. **The results of the 1991 and 1993 Manufacturing Censuses were used to adjust the level of the indices and the value of sales.** This process is known as benchmarking. The total value of gross output of the manufacturing major groups (which represents the total value of work done by the establishments in these groups) as obtained from the respective manufacturing censuses, was deflated with appropriate subindices of the Production Price Index in order to calculate the real gross output. The latter served as benchmarks to

verify or adjust the level of the monthly volume indices. The level adjustments were done on the volume indices for January of the relevant census year (e.g. the 1993 census year covers the period 1 July 1992 to 30 June 1993 and therefore the benchmarking was done using the index of January 1993 as reference point).

5. The 1988 Manufacturing Census provided the framework for the selection of a revised sample implemented as from January 1995. A stratified systematic sample design based on gross output was used. Establishments which commenced operations after the census have also been taken into account.
6. Production indices for the various manufacturing subgroups, that were previously published in the **Bulletin of Statistics**, were discontinued as from January 1993. The production indices on a subgroup basis can be obtained through approximation by deflating the value of sales according to manufacturing subgroups (as published in Chapter 6 of the Bulletin of Statistics) by the production price indices for the relevant manufacturing subgroups (statistical release P0142.1, entitled **Production Price Index**).
7. More comprehensive detail on the method of calculation and historical data in respect of the production indices according to manufacturing major groups and the value of sales for the period January 1990 to August 1997 was published in statistical releases P3041.3 (entitled **Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to August 1997**) on 12 November 1997 and P3041.4 (entitled **Manufacturing statistics: Value of sales, January 1990 to July 1997**) on 6 November 1997.
8. Stats SA has adopted the confidential pre-release policy in respect of selected economic indicators and specific government departments. The policy accords with practice among leading statistical agencies. The statistical integrity of the indices and strict observance of the release time has been assured by the following procedure:

In respect of this statistical release, an official representative from the Office of the President, the Deputy President, the Department of Trade and Industry, the Department of Finance, and the South African Reserve Bank will receive a copy of the release on a strictly confidential basis two hours in advance of the public issue.

Stats SA pre-release policy may be inspected at its Website, [www.statssa.gov.za](http://www.statssa.gov.za).

**SUMMARY - TOTAL MANUFACTURING**

Period	Production indices	Sales	Percentage change of:	
	1995 = 100	R mill.	Production indices	Sales
Actual				
Jun. 1998 -	101,1	91 458,9	-4,4	+0,5
Jun. 1997 -	105,8	91 048,4		
Seasonally adjusted				
Jun. 1998 -	99,1	90 326,5	-1,5	+0,4
Mar. 1998 -	100,6	89 997,6		

**TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL**

HISTORICAL TABLE  
BASE 1995 = 100

Month	1992	1993	1994	1995	1996	1997	1998
<b>ACTUAL INDICES</b>							
J	77,2	75,6	75,4	79,5	84,0	90,0	89,6
F	92,3	90,6	89,6	97,0	96,6	101,2	101,0
M	95,9	98,1	99,2	103,4	101,9	102,0	102,3
A	87,0	84,1	86,5	90,6	95,3	104,8	96,6
M	89,7	87,6	86,4	101,3	102,7	105,3	100,4
J	90,0	93,0	93,7	102,0	101,4	104,1	102,0
J	92,2	92,2	95,9	102,8	103,4	106,9	103,3
A	86,5	94,3	96,2	104,9	105,5	106,5	98,1 1/
S	94,0	96,2	103,6	107,5	104,2	107,8	
O	100,5	100,5	106,1	112,1	114,4	118,1	
N	100,7	103,0	109,6	111,9	113,8	112,3	
D	81,4	83,3	86,0	86,8	84,8	87,8	
YEAR	90,6	91,5	94,0	100,0	100,7	103,9	
<b>SEASONALLY ADJUSTED INDICES</b>							
J	92,3	90,7	90,5	95,1	99,9	106,4	105,6
F	93,2	91,8	91,1	99,0	98,8	103,6	103,4
M	91,9	94,3	95,7	100,3	99,3	99,9	100,4
A	92,4	89,4	92,0	96,2	100,9	110,6	101,8
M	91,7	89,0	87,2	101,6	102,4	104,6	99,6
J	89,0	92,2	93,0	101,3	100,6	103,3	101,3
J	91,3	90,9	94,2	100,7	101,0	104,2	100,6
A	83,5	91,3	93,3	101,9	102,5	103,6	95,4
S	89,4	91,4	98,5	102,4	99,5	103,1	
O	91,2	90,9	95,6	100,5	102,2	105,4	
N	89,7	91,9	98,1	100,4	102,6	101,5	
D	92,2	94,5	97,9	99,5	97,8	101,6	

\* Revised

1/ Preliminary

TABLE 2 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - DIVISIONS AND MAJOR GROUPS

BASE 1995 = 100

Manufacturing Divisions and major groups	Weights	Year	Actual indices			Seasonally adjusted indices			
			1997	August	July	August	August	July	August
				1998		1997	1998		1997
				August	July	August	July	August	
TOTAL	100,0	103,9	98,1	103,3	106,5	95,4	100,6	103,6	
Food and food products	13,6	106,4	111,9	106,9	111,5	108,1	105,7	107,8	
Meat, fish, fruit etc.	3,9	120,2	136,0	116,3	119,2	134,2	122,4	118,2	
Dairy products	1,6	95,3	88,7	81,0	98,0	90,7	89,5	100,4	
Grain mill products	2,8	103,1	94,4	97,9	102,2	95,0	94,2	103,0	
Other food products	5,3	101,4	110,6	116,1	115,1	101,8	106,9	105,9	
Beverages	5,2	104,9	97,8	90,5	103,0	101,9	104,5	107,9	
Total textiles	3,3	102,6	90,3	96,9	113,7	85,4	89,8	107,5	
Textiles	2,0	102,0	89,0	97,5	111,6	83,5	87,6	104,6	
Other textile products	1,3	103,7	92,4	95,9	117,0	88,8	93,0	112,6	
Total Wearing apparel	3,7	93,7	90,1	91,4	100,3	82,5	89,9	91,6	
Knitted, crocheted articles	0,7	86,5	92,2	90,4	87,9	90,6	87,5	86,2	
Wearing apparel	3,0	95,2	89,7	91,6	103,0	81,2	90,3	92,9	
Tanning and dressing of leather	0,4	103,0	112,0	112,2	94,8	110,2	112,9	92,9	
Footwear	1,1	83,9	74,2	72,7	94,2	66,9	67,7	84,5	
Wood and products of wood	1,8	111,2	114,1	108,4	112,8	111,7	101,7	110,3	
Sawmilling and planing of wood	0,6	103,8	119,3	96,3	109,4	112,9	88,7	103,0	
Products of wood	1,1	115,2	111,3	115,0	114,7	110,2	106,6	113,6	
Paper and paper products	4,9	92,0	93,1	92,3	83,9	88,3	90,1	79,5	
Total publishing and printing	3,9	99,5	94,9	98,6	102,4	94,6	98,9	102,1	
Publishing	1,6	103,2	100,0	100,7	104,8	100,9	104,4	106,0	
Printing, recorded media	2,3	97,0	91,5	97,2	100,8	90,0	94,7	99,2	
Coke and refined petroleum products	6,1	105,3	99,3	111,9	103,2	101,1	110,9	104,7	
Basic chemicals	4,4	108,0	108,6	100,2	108,8	104,3	101,4	104,1	
Other chemical products	7,0	106,9	92,7	106,2	107,1	95,2	102,7	109,6	
Rubber products	1,5	98,1	98,9	94,9	101,6	95,9	92,7	97,4	
Plastic products	2,9	91,8	81,6	92,2	94,0	79,3	87,6	91,0	
Glass and glass products	1,0	97,5	81,6	85,4	118,5	82,3	91,2	119,4	
Other non-metallic mineral products	3,3	98,3	92,8	99,5	106,2	88,4	92,0	100,6	
Basic iron and steel products	5,8	100,9	92,1	103,5	92,8	95,7	96,3	95,4	
Basic precious and non-ferrous metal products	1,9	143,4	141,8	144,3	138,2	142,7	140,5	138,5	
Fabricated metal products	6,6	109,8	100,1	110,1	109,9	100,2	106,9	109,6	
Structural metal products	1,9	114,1	98,2	112,7	104,0	101,9	111,8	107,3	
Other fabricated metal products	4,7	108,1	100,9	109,1	112,3	99,0	104,5	109,9	
Total machinery and equipment	6,1	111,1	101,1	109,5	124,0	91,9	102,8	112,7	
General purpose machinery	2,5	117,6	112,4	105,3	133,6	100,6	101,8	120,4	
Special purpose machinery	3,1	106,5	90,2	112,2	116,4	85,2	105,2	110,3	
Household appliances	0,5	108,3	111,5	113,3	122,6	101,5	107,6	112,4	
Electrical machinery, apparatus	3,2	100,1	93,5	105,7	104,6	89,1	100,2	99,7	
Radio, television and communication apparatus	1,2	102,1	108,1	115,8	108,5	108,9	121,8	109,2	
Professional equipment	0,5	96,7	77,4	79,4	104,2	72,7	72,3	98,5	
Motor vehicles; trailers; parts and accessories	6,5	93,6	73,4	94,3	101,5	69,3	88,2	96,0	
Motor vehicles	3,5	93,2	58,8	79,6	95,6	56,8	71,6	92,3	
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	76,3	80,0	73,4	71,6	84,1	68,7	
Parts and accessories	2,5	98,7	94,2	118,3	115,9	92,6	111,1	114,0	
Other transport equipment	1,0	123,8	120,0	131,2	128,7	117,6	119,7	125,1	
Furniture	1,8	109,9	105,9	114,3	109,6	102,8	108,8	105,4	
Other manufacturing industries	1,5	119,6	115,5	123,8	119,1	112,8	110,9	115,9	

\* Revised

1/ Preliminary

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL

HISTORICAL TABLE  
R1 000

Month	1992	1993	1994	1995	1996	1997	1998 *
ACTUAL VALUES							
J	14 467 037	15 289 474	16 190 807	18 963 753	21 411 731	24 858 933	25 522 998
F	17 510 738	18 637 234	19 682 445	24 056 113	25 702 503	29 144 979	29 181 038
M	18 805 877	20 466 292	21 877 579	26 286 553	27 633 591	29 230 004	31 358 545
A	16 763 639	17 593 273	19 002 582	22 548 829	25 696 635	29 750 556	28 943 344
M	17 522 847	18 342 032	19 549 436	25 327 785	27 673 577	29 906 216	29 610 649
J	17 807 581	19 583 979	21 864 295	25 747 976	27 630 900	29 904 359	30 922 387
J	18 492 183	19 563 607	22 042 214	25 174 458	27 731 523	30 455 047	30 718 468
A	17 278 218	20 356 179	21 726 863	26 587 938	28 916 795	30 689 015	29 818 024
S	18 982 132	20 756 927	23 662 763	27 205 734	28 930 000	30 593 714	
O	20 485 866	21 528 390	24 911 403	28 769 011	32 317 508	34 960 573	
N	20 479 732	22 060 214	25 902 823	29 255 317	32 284 042	32 860 416*	
D	16 508 727	17 825 696	20 445 704	23 584 152	25 833 237	27 643 620*	
YEAR	215 104 577	232 003 297	256 858 914	303 507 619	331 762 042	359 997 432	
SEASONALLY ADJUSTED VALUES							
J	17 566 206	18 687 789	19 843 828	23 211 111	26 079 619	30 106 524	30 801 298
F	17 710 499	18 884 966	19 963 225	24 486 777	26 223 793	29 809 674	29 871 680
M	17 634 179	19 192 127	20 533 446	24 776 895	26 180 222	27 847 881	29 972 079
A	17 901 852	18 816 826	20 313 364	24 016 450	27 234 992	31 361 962	30 431 851
M	17 828 074	18 592 053	19 717 526	25 446 723	27 707 063	29 899 076	29 593 693
J	17 607 593	19 364 877	21 628 038	25 457 231	27 296 786	29 551 926	30 601 467
J	18 381 842	19 440 858	21 916 150	25 027 349	27 546 999	30 215 541	30 481 212
A	16 660 579	19 714 165	21 097 870	25 932 957	28 253 978	30 078 761	29 243 786
S	18 021 272	19 723 878	22 555 690	26 073 994	27 879 032	29 568 411	
O	18 617 032	19 502 337	22 492 044	25 873 200	29 024 701	31 339 038	
N	18 361 645	19 763 369	23 226 889	26 237 831	29 031 779	29 579 868	
D	18 650 867	20 120 625	22 980 592	26 436 192	28 870 478	30 858 323	

\* Revised

1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING : DIVISIONS AND MAJOR GROUPS

R1 000

Manufacturing Divisions and major groups	Year	Actual values			Seasonally adjusted values		
		August	July	August	August	July	August
		1998		1997	1998		1997
		1997	1998		1997	1998	
TOTAL	359 997 432	29 818 024	30 718 468	30 689 015	29 243 786	30 481 212	30 078 761
Food and food products	54 371 794	4 746 775	4 772 373	4 634 144	4 654 670	4 739 199	4 547 780
Meat, fish, fruit etc.	15 094 682	1 385 647	1 290 222	1 291 179	1 382 870	1 337 759	1 292 086
Dairy products	6 499 443	548 043	510 842	570 332	556 724	560 302	579 898
Grain mill products	15 109 619	1 261 906	1 303 487	1 241 355	1 272 188	1 237 312	1 250 903
Other food products	17 668 050	1 551 179	1 667 822	1 531 278	1 462 367	1 623 895	1 446 620
Beverages	18 318 615	1 529 962	1 426 705	1 533 124	1 578 459	1 605 724	1 592 557
Total textiles	10 133 574	756 125	845 379	903 187	725 185	798 002	865 871
Textiles	7 020 037	529 837	566 432	625 476	502 230	528 846	592 065
Other textile products	3 113 537	226 288	278 947	277 711	217 407	273 930	268 266
Total Wearing apparel	9 875 497	837 034	822 525	896 007	776 039	863 775	826 687
Knitted, crocheted articles	1 531 731	136 662	126 068	129 136	132 667	125 975	125 311
Wearing apparel	8 343 766	700 372	696 457	766 871	646 047	740 736	703 021
Tanning and dressing of leather	1 826 328	166 166	149 267	125 200	159 327	152 663	119 939
Footwear	2 579 392	208 192	184 918	242 116	183 110	176 509	211 954
Wood and products of wood	6 075 424	534 298	518 454	522 933	509 549	491 307	495 552
Sawmilling and planing of wood	1 760 126	165 847	147 967	153 726	156 430	137 726	144 408
Products of wood	4 315 298	368 451	370 487	369 207	353 118	349 673	351 461
Paper and paper products	17 420 490	1 575 740	1 495 730	1 341 304	1 513 211	1 477 881	1 281 397
Total publishing and printing	10 264 567	874 190	906 327	886 569	881 285	916 938	895 065
Publishing	3 977 552	362 104	358 819	338 313	366 260	370 164	342 780
Printing, recorded media	6 287 015	512 086	547 508	548 256	507 226	544 779	544 616
Coke and refined petroleum products	20 392 769	1 788 838	1 553 603	1 677 515	1 740 362	1 539 292	1 624 352
Basic chemicals	15 541 228	1 181 747	1 183 756	1 267 083	1 210 839	1 221 226	1 287 848
Other chemical products	22 931 096	1 816 175	2 095 264	1 940 008	1 818 713	2 122 081	1 942 609
Rubber products	4 212 301	368 505	337 649	374 547	346 636	337 882	350 765
Plastic products	9 101 628	708 829	805 239	784 789	681 334	779 408	753 831
Glass and glass products	2 323 575	171 909	178 716	201 504	166 551	176 341	195 615
Other non-metallic mineral products	9 166 348	790 345	826 035	820 848	741 857	762 954	768 297
Basic iron and steel products	24 710 217	2 321 609	2 027 620	2 055 029	2 202 675	2 156 502	1 936 429
Basic precious and non-ferrous metal products	11 995 331	965 095	1 023 550	1 017 072	969 277	1 033 453	1 017 960
Fabricated metal products	22 327 518	1 724 871	1 861 615	1 797 807	1 731 883	1 824 379	1 798 841
Structural metal products	8 585 218	604 217	669 531	618 659	634 348	689 490	643 298
Other fabricated metal products	13 742 300	1 120 654	1 192 084	1 179 148	1 090 146	1 162 973	1 145 467
Total machinery and equipment	18 876 679	1 537 993	1 582 092	1 786 396	1 464 891	1 622 118	1 704 761
General purpose machinery	8 172 334	711 650	651 341	807 204	679 687	677 830	772 955
Special purpose machinery	8 777 703	663 919	760 909	800 400	635 724	775 272	767 680
Household appliances	1 926 642	162 424	169 842	178 792	147 007	159 703	162 851
Electrical machinery, apparatus	10 831 511	937 398	985 836	960 756	891 425	916 935	911 929
Radio, television and communication apparatus	3 309 229	279 651	359 524	334 671	254 986	387 329	308 266
Professional equipment	1 159 640	77 090	80 686	99 752	73 744	77 658	95 538
Motor vehicles; trailers; parts and accessories	33 839 018	2 496 439	3 056 671	2 830 838	2 478 463	2 865 775	2 800 695
Motor vehicles	24 362 934	1 704 646	2 118 265	2 009 424	1 700 080	1 957 873	1 996 815
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	137 464	147 974	143 670	138 266	153 373	143 220
Parts and accessories	7 740 984	654 329	790 432	677 744	630 920	770 772	654 201
Other transport equipment	2 264 223	127 079	135 305	280 181	93 289	140 449	210 793
Furniture	5 609 037	433 577	497 068	481 101	414 258	482 129	456 277
Other manufacturing industries	10 540 403	862 392	1 006 561	894 534	870 767	939 587	899 298

\* Revised

1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	August	July *	August	August	July	August
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	210 803	216 817	304 833	199 964	211 005	290 525
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	14 699	12 652	10 835	13 338	14 463	9 814
Other textile articles	89 159	95 404	84 745	88 164	90 776	83 368
Knitted and crocheted fabrics and articles	106 251	115 760	168 802	103 697	120 281	164 499
Wearing apparel	956 568	934 489	1 073 241	941 848	957 393	1 054 901
Sawmilling and preserving of timber	16 180	16 743	27 160	15 755	16 561	26 569
Veneer sheets, plywood, laminboard, etc.	21 053	16 599	32 319	18 298	17 705	27 844
Builders' carpentry and joinery	31 014	36 273	35 512	31 041	35 108	35 407
Pulp, paper and paperboard	399 709	285 608	279 002	354 517	257 851	251 520
Corrugated paper and paperboard and containers	270 754	281 957	281 129	284 563	294 948	294 082
Paints, varnishes and coatings	35 802	19 220	15 315	35 838	23 445	15 341
Basic iron and steel products	2 976 379	2 911 347	3 320 873	3 038 469	2 912 049	3 385 280
Steel pipe and tube mills	116 824	118 400	310 751	118 394	117 769	315 613
Basic precious and non-ferrous metal products	1 292 055	1 253 466	1 193 627	1 245 287	1 217 777	1 146 890
Metal structures, parts	1 545 742	1 601 056	1 636 907	1 557 779	1 620 576	1 650 080
Cutlery, hand tools and general hardware	31 663	34 576	35 710	32 684	34 332	36 920
Metal containers, e.g. cans and tins	40 495	44 531	45 466	45 075	46 552	50 170
Cables, wire products, springs	79 605	82 556	82 853	79 694	82 509	81 860
Metal fasteners	53 502	49 396	53 097	57 547	48 781	56 994
All other metal products	1 157 816	1 136 414	1 107 415	1 003 108	1 017 347	974 018
Domestic appliances	38 047	35 230	40 261	36 421	34 159	38 829
Electric motors, generators and transformers	344 099	355 322	198 786	315 708	329 436	183 725
Insulated wire and cables	198 741	205 138	287 548	193 541	195 338	277 130
Accumulators, primary cells and primary batteries	13 592	13 757	18 287	13 156	12 692	17 851
Television, radio and communication apparatus	569 072	572 980	981 646	544 135	552 303	942 918
Motor vehicles	1 528 667	1 344 644	1 072 988	1 557 726	1 295 795	1 082 486
Parts and accessories for motor vehicles	262 816	256 353	320 191	259 973	246 455	317 085
Furniture	194 757	198 605	314 732	177 681	200 436	287 020

\* Revised