

## P3041.2 MANUFACTURING: production and sales

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### MANUFACTURING PRODUCTION LEVELS OFF

*The declining trend in manufacturing production, which started in the middle of 1997, is levelling off. Manufacturing production for the three months up to April 1999 reflected a slight decrease of 0,2% after seasonal adjustment compared with the previous three months. Lower manufacturing production was reported by 18 of the 27 manufacturing major divisions.*

The decrease of 0,2% after seasonal adjustment in the total manufacturing production, was mainly due to decreases in the metal (-0,4 of a percentage point), the non-metallic mineral products (-0,4 of a percentage point) and the machinery (-0,3 of a percentage point) divisions. However, these decreases were inter alia counteracted by relatively large increases reflected by the basic iron and steel (+0,6 of a percentage point) and the petroleum products (+0,4 of a percentage point) divisions.

The total value of sales of manufactured products for the three months up to April 1999, after seasonal adjustment, reflected an increase of 0,4% (R346,6 million) compared with the previous three months. Large increases were reported by the paper (+9,5% or R440 million), the motor vehicle (+8,7% or R769 million) and the basic iron and steel (+5,9% or R351 million) divisions. A significant decrease in the sales of food products (-4,2% or R614 million) was reported during this period.

Unfilled orders are increasing in the paper, radio, television and communication apparatus, motor vehicle and furniture divisions.

### 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					
Feb. 1999 -	Apr. 1999	98,1	92 408,8	-2,2	+2,6	
Feb. 1998 -	Apr. 1998	100,3	90 050,7			
Seasonally adjusted						
Feb. 1999 -	Apr. 1999	100,2	93 526,6	-0,2	+0,4	
Nov. 1998 -	Jan. 1999	100,4	93 180,0			

TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL  
HISTORICAL TABLE  
BASE 1995 = 100

Month	1993	1994	1995	1996	1997	1998	1999
ACTUAL INDICES							
J	75,6	75,4	79,5	84,0	90,0	89,7	86,4*
F	90,6	89,6	97,0	96,6	101,2	101,2	98,1*
M	98,1	99,2	103,4	101,9	102,0	102,6	100,8
A	84,1	86,5	90,6	95,3	104,7	97,1	95,3 1/
M	87,6	86,4	101,3	102,7	105,3	101,2	
J	93,0	93,7	102,0	101,4	104,1	103,4	
J	92,2	95,9	102,8	103,4	107,4	104,4	
A	94,3	96,2	104,9	105,5	106,6	99,7	
S	96,2	103,6	107,5	104,2	107,8	106,2	
O	100,5	106,1	112,1	114,4	118,6	111,8	
N	103,0	109,6	111,9	113,8	112,4	110,0	
D	83,3	86,0	86,8	84,8	88,3	87,0*	
YEAR	91,5	94,0	100,0	100,7	104,0	101,2	
SEASONALLY ADJUSTED INDICES							
J	90,8	90,5	95,0	99,6	105,7	104,5	100,3
F	91,8	91,1	99,1	98,9	103,7	103,6	100,4
M	93,7	95,1	99,9	99,3	100,2	101,3	99,8
A	89,6	92,3	96,5	101,2	110,6	102,3	100,3
M	89,0	87,2	101,5	102,4	104,7	100,5	
J	92,2	93,1	101,3	100,6	103,3	102,6	
J	91,0	94,3	100,7	101,0	104,8	101,8	
A	91,3	93,3	101,8	102,4	103,5	96,7	
S	91,3	98,3	102,2	99,2	103,0	101,7	
O	91,0	95,6	100,6	102,2	105,8	99,5	
N	92,0	98,2	100,6	102,8	102,0	100,1	
D	94,7	98,1	99,6	97,8	102,2	100,8	

\* 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				
			1998	April 1/	March	April	April	March	April	
				1999		1998		1999		1998
TOTAL	100,0	101,2	95,3	100,8	97,1	100,3	99,8	102,3		
Food and food products	13,6	108,3	99,7	99,6	103,1	105,1	104,6	108,6		
Meat, fish, fruit etc.	3,9	130,1	136,9	144,4	119,1	139,7	136,4	121,8		
Dairy products	1,6	92,5	80,4	92,1	84,0	87,2	88,9	90,8		
Grain mill products	2,8	95,9	91,0	95,7	95,3	91,8	93,5	95,6		
Other food products	5,3	103,9	83,0	71,0	101,4	89,1	89,4	109,3		
Beverages	5,2	103,3	85,9	110,4	90,8	101,9	104,5	107,2		
Total textiles	3,3	91,2	84,7	89,0	87,7	83,8	83,4	86,9		
Textiles	2,0	88,3	81,5	82,4	87,7	81,8	79,9	88,1		
Other textile products	1,3	95,7	89,7	99,0	87,8	88,9	89,6	87,0		
Total Wearing apparel	3,7	87,3	86,1	96,5	84,8	85,4	88,1	84,3		
Knitted, crocheted articles	0,7	81,4	78,4	81,6	85,2	77,2	74,4	83,7		
Wearing apparel	3,0	88,6	87,8	99,7	84,7	88,7	91,4	85,7		
Tanning and dressing of leather	0,4	107,7	103,0	120,9	98,5	102,5	113,1	97,6		
Footwear	1,1	73,9	62,2	75,6	73,7	66,8	71,3	79,1		
Wood and products of wood	1,8	104,5	101,4	114,3	99,2	104,4	109,6	102,5		
Sawmilling and planing of wood	0,6	99,6	89,7	102,1	95,5	93,9	95,8	100,0		
Products of wood	1,1	107,1	107,7	120,9	101,2	110,0	116,2	103,9		
Paper and paper products	4,9	93,6	96,4	103,3	81,6	101,1	105,2	86,1		
Total publishing and printing	3,9	94,5	90,8	98,2	90,0	95,5	94,4	94,8		
Publishing	1,6	100,1	100,2	101,9	96,1	104,0	99,4	100,2		
Printing, recorded media	2,3	90,7	84,4	95,7	85,8	89,9	92,3	91,2		
Coke and refined petroleum products	6,1	105,9	120,3	113,3	111,1	116,2	119,2	107,1		
Basic chemicals	4,4	114,2	113,7	104,4	105,4	120,3	109,3	111,1		
Other chemical products	7,1	103,9	101,9	103,8	98,1	106,9	101,4	103,5		
Rubber products	1,5	95,2	94,6	94,7	97,8	93,6	94,6	97,5		
Plastic products	2,9	89,6	80,5	92,1	88,3	84,2	86,9	92,6		
Glass and glass products	1,0	90,2	80,8	78,8	82,9	88,2	84,2	90,0		
Other non-metallic mineral products	3,3	93,5	78,4	85,0	94,2	81,7	81,1	98,7		
Basic iron and steel products	5,8	96,9	89,1	87,4	97,8	90,6	90,2	100,1		
Basic precious and non-ferrous metal products	1,9	144,2	128,8	144,7	130,7	134,7	142,6	136,5		
Fabricated metal products	6,6	105,4	94,8	105,1	97,3	101,3	102,4	104,0		
Structural metal products	1,9	116,9	102,3	118,0	92,5	119,2	120,7	107,0		
Other fabricated metal product	4,7	100,7	91,8	99,8	99,3	94,6	93,8	102,7		
Total machinery and equipment	6,1	103,6	83,9	103,5	105,0	89,4	96,1	112,4		
General purpose machinery	2,5	110,2	93,3	113,0	115,4	95,2	104,1	118,8		
Special purpose machinery	3,1	97,7	73,7	97,0	97,8	82,3	86,4	109,0		
Household appliances	0,5	107,6	98,6	95,6	97,3	101,3	99,8	100,7		
Electrical machinery, apparatus	3,2	97,3	90,9	98,2	95,6	92,0	97,3	96,9		
Radio, television and communication apparatus	1,2	126,1	103,9	122,3	86,1	125,0	111,0	102,7		
Professional equipment	0,5	76,6	73,7	81,8	86,0	72,4	76,1	84,5		
Motor vehicles; trailers; parts and accessories	6,5	86,1	85,7	89,3	85,9	85,4	90,3	85,9		
Motor vehicles	3,5	75,3	76,1	77,6	76,9	76,2	80,4	77,5		
Bodies for motor vehicles; trailers and semi-trailers	0,5	69,2	62,4	64,1	62,0	56,6	56,4	56,6		
Parts and accessories	2,5	105,1	104,2	111,2	103,7	103,4	107,0	103,7		
Other transport equipment	1,0	118,1	130,7	116,1	125,4	126,0	118,0	121,9		
Furniture	1,8	103,5	100,6	99,5	107,9	102,4	102,0	110,9		
Other manufacturing industries	1,5	108,1	101,8	109,7	100,9	105,2	108,8	105,2		

\* Revised  
1/ Preliminary

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL  
 HISTORICAL TABLE  
 R1 000

Month	1993	1994	1995	1996	1997	1998*	1999
ACTUAL VALUES							
J	15 299 940	16 201 243	18 972 369	21 443 348	24 896 075	25 640 869	26 219 271*
F	18 649 462	19 696 094	24 073 305	25 751 663	29 192 867	29 333 697	30 277 125*
M	20 481 694	21 893 931	26 313 399	27 679 048	29 273 319	31 550 508	31 923 606
A	17 605 375	19 014 509	22 571 092	25 737 686	29 802 563	29 166 503	30 208 069 1/
M	18 354 043	19 563 266	25 355 408	27 731 321	29 958 859	29 851 155	
J	19 597 820	21 880 147	25 777 248	27 687 173	29 956 334	31 169 052	
J	19 576 619	22 057 569	25 192 348	27 793 919	30 580 025	31 159 935	
A	20 370 343	21 743 035	26 600 620	28 977 171	30 776 370	30 301 166	
S	20 772 568	23 682 251	27 235 110	28 985 258	30 745 921	32 372 886	
O	21 543 028	24 929 760	28 787 305	32 380 647	35 136 027	34 267 063	
N	22 076 528	25 922 521	29 279 635	32 356 445	33 045 187	33 540 409	
D	17 836 672	20 460 793	23 606 618	25 870 618	27 741 546	28 430 860	
YEAR	232 164 092	257 045 119	303 764 457	332 394 297	361 105 093	366 784 103	
SEASONALLY ADJUSTED VALUES							
J	18 701 230	19 857 054	23 223 937	26 092 504	30 033 125	30 699 152	31 250 682
F	18 897 308	19 977 487	24 507 846	26 302 697	29 901 977	30 101 159	31 125 057
M	19 206 083	20 557 013	24 825 504	26 317 097	28 042 791	30 399 446	30 845 391
A	18 838 292	20 337 060	24 050 095	27 276 855	31 329 259	30 511 583	31 556 196
M	18 603 576	19 734 158	25 481 281	27 784 721	30 010 561	29 890 096	
J	19 375 853	21 643 930	25 493 848	27 389 842	29 687 767	30 933 743	
J	19 452 700	21 930 282	25 043 882	27 633 738	30 398 719	30 971 050	
A	19 731 677	21 118 918	25 925 507	28 289 942	30 120 576	29 647 766	
S	19 734 071	22 566 867	26 082 307	27 864 736	29 661 745	31 321 117	
O	19 512 264	22 480 617	25 844 590	28 974 266	31 349 522	30 518 606	
N	19 773 424	23 237 023	26 302 499	29 193 936	29 948 037	30 478 868	
D	20 131 966	22 998 379	26 426 868	28 788 201	30 752 603	31 450 419	

\* Revised  
 1/ Preliminary

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

R1 000

Manufacturing Divisions and major groups	Year 1998*	Actual values			Seasonally adjusted values		
		April 1/	March	April	April	March	April
		1999			1998		
		1999			1998		
TOTAL	366 784 103	30 208 069	31 923 606	29 166 503	31 556 196	30 845 391	30 511 583
Food and food products	57 164 682	4 631 780	4 642 429	4 572 874	4 696 731	4 718 578	4 625 260
Meat, fish, fruit etc.	16 579 132	1 375 059	1 468 789	1 281 912	1 390 817	1 448 511	1 296 475
Dairy products	6 719 841	493 845	578 899	535 431	530 911	557 306	573 462
Grain mill products	15 891 332	1 295 816	1 358 912	1 298 836	1 309 333	1 320 161	1 309 947
Other food products	17 974 377	1 467 060	1 235 829	1 456 695	1 443 292	1 400 279	1 424 303
Beverages	19 306 150	1 423 739	1 857 723	1 485 542	1 633 008	1 750 920	1 700 048
Total textiles	9 576 228	774 710	779 114	769 546	793 819	714 518	789 229
Textiles	6 510 519	516 018	521 094	527 996	510 988	477 746	524 523
Other textile products	3 065 709	258 692	258 020	241 550	263 372	238 039	246 945
Total Wearing apparel	9 620 319	833 545	893 153	812 763	796 480	767 610	778 289
Knitted, crocheted articles	1 459 165	128 332	123 965	130 319	117 865	108 439	120 141
Wearing apparel	8 161 154	705 213	769 188	682 444	677 690	661 111	657 101
Tanning and dressing of leather	1 875 205	187 568	179 050	148 084	184 100	169 330	145 560
Footwear	2 369 455	179 568	225 969	173 368	199 514	208 071	192 907
Wood and products of wood	5 966 007	513 436	549 240	457 083	527 391	520 673	469 608
Sawmilling and planing of wood	1 745 630	131 099	146 812	131 708	138 587	143 362	139 115
Products of wood	4 220 377	382 337	402 428	325 375	392 653	384 582	334 744
Paper and paper products	18 258 304	1 615 985	1 790 009	1 248 695	1 732 028	1 759 288	1 343 706
Total publishing and printing	10 534 437	901 470	922 194	826 270	932 206	899 467	858 410
Publishing	4 204 834	365 154	373 541	331 372	376 033	364 992	342 080
Printing, recorded media	6 329 603	536 316	548 653	494 898	560 309	545 504	519 768
Coke and refined petroleum products	19 989 220	1 666 784	1 527 920	1 685 257	1 664 463	1 582 080	1 680 370
Basic chemicals	16 064 857	1 317 239	1 229 875	1 280 022	1 358 927	1 348 012	1 324 726
Other chemical products	23 851 039	2 084 945	2 129 315	1 823 540	2 150 605	2 040 054	1 883 871
Rubber products	4 289 105	369 045	382 923	380 936	355 701	373 879	369 716
Plastic products	9 134 079	720 443	801 912	739 761	750 749	774 213	772 001
Glass and glass products	2 292 855	154 371	170 661	181 442	171 466	180 158	199 908
Other non-metallic mineral products	9 116 182	671 840	753 456	761 638	702 851	724 127	797 856
Basic iron and steel products	25 412 766	1 989 291	2 155 256	2 014 571	2 056 118	2 140 568	2 084 893
Basic precious and non-ferrous metal products	12 143 889	942 834	1 045 021	886 042	1 000 800	1 035 712	941 869
Fabricated metal products	21 836 192	1 798 108	1 890 135	1 640 270	1 868 235	1 856 178	1 708 444
Structural metal products	8 563 859	771 548	764 920	608 715	814 862	775 035	640 619
Other fabricated metal product	13 272 333	1 026 560	1 125 215	1 031 555	1 087 364	1 053 754	1 095 626
Total machinery and equipment	19 077 949	1 363 689	1 694 701	1 677 946	1 413 361	1 441 445	1 751 657
General purpose machinery	8 389 330	600 305	751 248	791 155	644 007	630 078	852 609
Special purpose machinery	8 791 612	615 025	799 354	748 253	669 508	601 166	814 487
Household appliances	1 897 007	148 359	144 099	138 538	154 621	149 223	145 312
Electrical machinery, apparatus	11 313 912	905 634	959 082	921 788	916 389	954 801	934 902
Radio, television and communication apparatus	4 364 411	354 075	379 097	277 972	418 345	270 408	332 036
Professional equipment	978 414	84 286	92 030	83 115	84 993	85 803	84 037
Motor vehicles; trailers; parts and accessories	33 932 811	3 150 082	3 293 804	2 885 579	3 247 550	3 173 526	3 001 894
Motor vehicles	23 521 780	2 279 313	2 443 495	2 061 802	2 368 501	2 377 843	2 167 637
Bodies for motor vehicles; trailers and semi-trailers	1 589 850	119 296	148 553	133 406	114 060	132 613	127 122
Parts and accessories	8 821 181	751 473	701 756	690 371	747 701	726 831	691 997
Other transport equipment	1 948 497	203 763	208 771	169 113	231 267	211 475	197 329
Furniture	5 592 443	462 271	477 980	440 008	487 154	497 914	465 007
Other manufacturing industries	10 774 695	907 568	892 786	823 278	973 528	918 206	887 817

\* Revised  
1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	April 1/	March	April	April	March	April
	1999		1998	1999		1998
Spinning, weaving and finishing of textiles	212 577	208 373	218 226	217 161	211 024	222 841
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	16 195	16 715	13 517	15 589	13 750	12 964
Other textile articles	101 711	106 617	83 966	103 988	104 134	86 031
Knitted and crocheted fabrics and articles	114 240	113 500	132 399	115 821	114 377	134 303
Wearing apparel	815 574	807 830	971 673	819 023	834 166	970 423
Sawmilling and preserving of timber	13 968	16 988	18 645	14 280	16 733	18 988
Veneer sheets, plywood, laminboard, etc.	16 462	14 085	21 614	15 192	14 774	20 110
Builders' carpentry and joinery	34 464	34 973	32 529	36 354	38 342	33 983
Pulp, paper and paperboard	240 432	213 422	272 241	249 227	220 088	282 610
Corrugated paper and paperboard and containers	358 945	336 084	305 172	368 623	349 769	315 212
Paints, varnishes and coatings	9 218	8 224	10 946	9 905	9 040	11 631
Basic iron and steel products	2 745 401	2 863 563	3 119 415	2 740 701	2 930 022	3 112 486
Steel pipe and tube mills	135 543	139 919	153 919	141 334	140 131	160 875
Basic precious and non-ferrous metal products	906 424	985 072	1 229 397	911 876	1 003 859	1 240 366
Metal structures, parts	1 696 195	1 675 869	1 732 854	1 655 249	1 671 727	1 696 467
Cutlery, hand tools and general hardware	28 137	29 787	31 133	29 004	29 119	32 064
Metal containers, e.g. cans and tins	39 839	39 035	50 120	40 305	38 208	50 455
Cables, wire products, springs	72 029	76 945	81 148	70 856	76 361	79 550
Metal fasteners	17 829	19 979	43 753	16 326	19 078	40 017
All other metal products	936 308	948 600	559 623	1 013 753	989 779	597 786
Domestic appliances	36 865	37 690	30 878	37 034	35 618	30 731
Electric motors, generators and transformers	328 881	338 381	265 975	352 706	383 747	286 839
Insulated wire and cables	193 344	222 604	225 846	190 559	204 344	223 651
Accumulators, primary cells and primary batteries	25 874	17 220	14 918	25 145	17 805	14 628
Television, radio and communication apparatus	723 787	705 166	582 817	759 888	746 074	608 756
Motor vehicles	1 803 995	1 457 348	1 397 221	1 491 697	1 347 107	1 145 692
Parts and accessories for motor vehicles	237 708	248 051	279 489	236 911	251 141	277 231
Furniture	187 576	166 575	204 341	200 003	185 407	219 095

\* Revised