

P3041.2

MANUFACTURING: production and sales

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MANUFACTURING PRODUCTION INCREASES

Manufacturing production for the last three months up to January 1999 reflected an increase of 1,6% after seasonal adjustment compared with the previous three months. Higher manufacturing production was reported by 19 of the 27 manufacturing major divisions. It is not yet possible to say whether or not the declining trend since the middle of 1997 is levelling off, because the percentage increase partly reflects the low base of the previous three months, including the very low production for August 1998.

The major contributors to the increase of 1,6% were the motor vehicle division (+0,5 of a percentage point), followed by the petroleum (+0,4 of a percentage point), the metal (+0,3 of a percentage point), the clothing (+0,2 of a percentage point), and non-metallic mineral (+0,2 of a percentage point) divisions. However, a decrease was reported by the basic iron and steel division (-0,7 of a percentage point).

The total value of sales of manufactured products for the last three months up to January 1999 reflected an increase of 2,6% (R2 379 million) after seasonal adjustment compared with the preceding three months. The largest increases were reported by the motor vehicle (+10,4 % or R 798 million), the metal (+10,1% or R553 million), and the food (+3,8% or R550 million) divisions.

SUMMARY - TOTAL MANUFACTURING

Period				Production indices 1995 = 100	Sales R mill.	Percentage change of:	
						Production indices	Sales
Actual							
Nov.	1998 -	Jan.	1999	94,9	88 818,3	-2,0	+2,8
Nov.	1997 -	Jan.	1998	96,8	86 427,6		
Seasonally adjusted							
Nov.	1998 -	Jan.	1999	100,9	93 856,9	+1,6	+2,6
Aug.	1998 -	Oct.	1998	99,3	91 477,5		

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.

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	87,2 1/
F	90,6	89,6	97,0	96,6	101,2	101,2	
M	98,1	99,2	103,4	101,9	102,0	102,6	
A	84,1	86,5	90,6	95,3	104,7	97,1	
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	110,2	
D	83,3	86,0	86,8	84,8	88,3	87,4	
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	105,5	104,4	101,0
F	91,8	91,1	99,1	98,9	103,8	103,8	
M	93,6	95,1	99,8	99,1	100,0	101,0	
A	89,7	92,4	96,6	101,3	111,0	102,8	
M	89,0	87,2	101,5	102,4	104,7	100,5	
J	92,3	93,1	101,3	100,6	103,3	102,6	
J	91,0	94,3	100,7	101,0	104,7	101,7	
A	91,3	93,3	101,9	102,4	103,5	96,7	
S	91,3	98,3	102,3	99,3	102,9	101,7	
O	91,0	95,6	100,6	102,2	105,8	99,6	
N	92,0	98,2	100,6	102,8	102,0	100,3	
D	94,7	98,1	99,6	97,8	102,1	101,3	

* 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 1998	Actual indices			Seasonally adjusted indices			
			January	December	January	January	December	January	
			1999		1998		1999		1998
TOTAL	100,0	101,2	87,2	87,4	89,7	101,0	101,3	104,4	
Food and food products	13,6	108,4	91,7	100,8	98,7	105,5	106,2	113,9	
Meat, fish, fruit etc.	3,9	130,1	128,4	136,6	122,2	131,5	142,5	125,5	
Dairy products	1,6	92,5	90,6	103,4	95,5	91,0	93,7	95,9	
Grain mill products	2,8	95,9	85,1	97,5	98,1	91,8	95,4	106,4	
Other food products	5,3	103,9	68,6	75,3	86,6	97,7	86,3	117,8	
Beverages	5,2	103,3	97,9	135,9	108,9	98,6	99,7	110,0	
Total textiles	3,3	91,4	65,3	60,4	65,8	94,8	92,1	95,5	
Textiles	2,0	88,3	67,1	57,5	62,7	89,4	91,1	83,7	
Other textile products	1,3	96,0	62,6	64,7	70,6	92,1	92,3	104,5	
Total Wearing apparel	3,7	87,3	65,5	64,5	66,6	94,0	92,4	96,6	
Knitted, crocheted articles	0,7	81,4	60,4	52,7	62,1	82,3	78,0	85,0	
Wearing apparel	3,0	88,6	66,6	67,1	67,6	99,5	97,0	102,0	
Tanning and dressing of leather	0,4	107,7	65,9	60,4	90,9	89,7	93,1	123,9	
Footwear	1,1	73,9	48,4	49,5	52,5	81,2	76,4	88,4	
Wood and products of wood	1,8	105,0	85,6	77,7	82,6	106,8	98,9	103,9	
Sawmilling and planing of wood	0,6	99,6	81,1	66,7	84,2	108,8	86,7	113,9	
Products of wood	1,1	107,9	88,1	83,7	81,7	115,4	105,5	107,7	
Paper and paper products	4,9	93,6	91,1	88,9	89,0	94,7	93,7	93,3	
Total publishing and printing	3,9	94,6	84,9	87,2	82,0	97,0	97,8	93,7	
Publishing	1,6	100,1	91,0	102,2	87,1	102,9	104,5	98,8	
Printing, recorded media	2,3	90,8	80,8	77,0	78,5	94,5	91,4	92,0	
Coke and refined petroleum products	6,1	105,9	110,1	113,0	110,1	104,0	112,8	104,0	
Basic chemicals	4,4	114,2	107,6	105,8	99,0	118,4	111,8	109,2	
Other chemical products	7,1	103,9	94,8	84,1	85,8	110,3	105,1	100,2	
Rubber products	1,5	95,2	75,2	58,9	74,7	100,3	83,3	100,8	
Plastic products	2,9	89,6	69,9	64,6	72,3	89,7	91,7	92,9	
Glass and glass products	1,0	90,2	81,6	89,4	74,9	96,8	98,2	88,5	
Other non-metallic mineral products	3,3	93,5	79,4	68,7	79,1	96,1	96,4	95,5	
Basic iron and steel products	5,8	96,9	83,9	73,8	96,3	88,4	79,9	102,1	
Basic precious and non-ferrous metal products	1,9	144,2	141,1	144,2	133,2	145,4	153,2	138,1	
Fabricated metal products	6,6	105,4	89,7	89,5	92,0	107,0	110,9	110,1	
Structural metal products	1,9	116,9	95,9	133,5	106,1	138,7	139,8	153,0	
Other fabricated metal product	4,7	100,7	87,2	71,5	86,2	99,6	100,6	98,7	
Total machinery and equipment	6,1	103,6	72,7	86,4	94,4	91,1	107,3	118,7	
General purpose machinery	2,5	110,2	73,8	89,7	88,7	97,5	105,3	116,9	
Special purpose machinery	3,1	97,7	72,3	85,9	102,8	83,2	100,2	119,4	
Household appliances	0,5	107,6	70,0	72,9	71,8	105,1	107,4	106,5	
Electrical machinery, apparatus	3,2	97,3	81,2	71,8	82,8	101,2	97,5	103,8	
Radio, television and communication apparatus	1,2	126,8	104,7	100,7	80,3	137,7	136,6	106,1	
Professional equipment	0,5	76,2	70,8	56,8	69,5	88,7	74,0	86,4	
Motor vehicles; trailers; parts and accessories	6,5	86,1	69,4	54,9	73,4	84,7	87,2	90,1	
Motor vehicles	3,5	75,3	56,4	47,8	66,4	72,1	78,2	85,4	
Bodies for motor vehicles; trailers and semi-trailers	0,5	69,2	49,6	54,4	54,2	68,2	83,6	75,0	
Parts and accessories	2,5	105,1	92,2	65,1	87,5	106,1	113,2	101,3	
Other transport equipment	1,0	118,1	120,4	103,8	120,5	119,8	121,8	120,7	
Furniture	1,8	103,6	72,6	66,7	76,2	129,4	93,4	135,8	
Other manufacturing industries	1,5	109,1	88,0	92,5	84,2	117,7	118,3	113,3	

* 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	26 418 312 1/
F	18 649 462	19 696 094	24 073 305	25 751 663	29 192 867	29 333 697	
M	20 481 694	21 893 931	26 313 399	27 679 048	29 273 319	31 534 313	
A	17 605 375	19 014 509	22 571 092	25 737 686	29 802 563	29 105 114	
M	18 354 043	19 563 266	25 355 408	27 731 321	29 958 859	29 771 585	
J	19 597 820	21 880 147	25 777 248	27 687 173	29 956 334	31 117 710	
J	19 576 619	22 057 569	25 192 348	27 793 919	30 580 025	31 095 957	
A	20 370 343	21 743 035	26 600 620	28 977 171	30 776 370	30 254 747	
S	20 772 568	23 682 251	27 235 110	28 985 258	30 745 921	32 326 397	
O	21 543 028	24 929 760	28 787 305	32 380 647	35 136 027	34 217 563	
N	22 076 528	25 922 521	29 279 635	32 356 445	33 045 187	33 657 037	
D	17 836 672	20 460 793	23 606 618	25 870 618	27 741 546	28 742 984	
YEAR	232 164 092	257 045 119	303 764 457	332 394 297	361 105 093	366 797 973	
SEASONALLY ADJUSTED VALUES							
J	18 700 217	19 855 384	23 219 393	26 097 634	30 030 826	30 707 011	31 507 780
F	18 898 207	19 979 135	24 507 956	26 272 256	29 887 881	30 064 304	
M	19 206 720	20 552 688	24 811 889	26 234 515	27 929 073	30 185 666	
A	18 827 236	20 325 698	24 044 520	27 293 082	31 462 986	30 647 531	
M	18 604 817	19 734 756	25 481 232	27 793 414	30 009 057	29 811 448	
J	19 376 863	21 643 888	25 490 148	27 390 267	29 672 594	30 867 710	
J	19 450 032	21 927 020	25 037 326	27 631 743	30 381 661	30 891 372	
A	19 735 350	21 120 647	25 924 431	28 286 958	30 102 505	29 582 055	
S	19 735 953	22 566 242	26 084 682	27 863 258	29 655 995	31 273 251	
O	19 514 768	22 502 591	25 904 819	29 071 543	31 478 142	30 622 151	
N	19 775 927	23 236 739	26 308 903	29 186 738	29 945 011	30 590 405	
D	20 134 363	22 997 922	26 424 850	28 760 903	30 713 027	31 758 699	

* 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		
		January		December		January		January	December	January
		1998*		1999		1998		1999	1998	
TOTAL	366 797 973	26 418 312	28 742 984	25 640 869	31 507 780	31 758 699	30 707 011			
Food and food products	57 230 273	4 517 033	4 957 386	4 491 809	5 118 764	4 946 559	5 102 484			
Meat, fish, fruit etc.	16 399 854	1 228 963	1 444 263	1 231 249	1 404 106	1 451 883	1 405 026			
Dairy products	6 719 841	510 044	628 021	532 848	525 518	579 206	548 033			
Grain mill products	15 811 118	1 192 901	1 403 143	1 208 531	1 328 769	1 363 261	1 346 785			
Other food products	18 299 460	1 585 125	1 481 959	1 519 181	1 958 888	1 578 654	1 890 441			
Beverages	19 306 019	1 634 500	2 304 896	1 629 220	1 676 208	1 628 597	1 676 895			
Total textiles	9 615 284	548 663	549 837	589 033	783 970	815 045	841 437			
Textiles	6 544 576	390 299	350 853	420 269	545 164	560 904	587 012			
Other textile products	3 070 708	158 364	198 984	168 764	240 802	256 525	256 676			
Total Wearing apparel	9 649 766	521 405	662 190	502 474	860 595	857 965	833 980			
Knitted, crocheted articles	1 459 165	83 601	77 181	92 290	116 942	118 169	129 371			
Wearing apparel	8 190 601	437 804	585 009	410 184	748 534	734 417	705 636			
Tanning and dressing of leather	1 875 205	100 171	88 526	117 165	136 837	134 240	160 208			
Footwear	2 369 455	121 640	157 387	105 888	231 710	225 295	202 181			
Wood and products of wood	5 991 074	411 111	402 399	367 494	561 436	527 437	504 639			
Sawmilling and planing of wood	1 745 630	109 806	109 903	107 913	153 886	135 696	151 468			
Products of wood	4 245 444	301 305	292 496	259 581	408 405	388 736	354 230			
Paper and paper products	18 258 304	1 364 505	1 425 523	1 251 982	1 512 016	1 492 746	1 387 691			
Total publishing and printing	10 564 971	821 649	865 500	723 224	938 931	951 949	827 345			
Publishing	4 204 834	330 263	365 015	299 166	372 012	378 841	338 426			
Printing, recorded media	6 360 137	491 386	500 485	424 058	573 154	563 173	493 828			
Coke and refined petroleum products	19 989 220	1 491 414	1 578 563	1 640 759	1 551 498	1 575 322	1 712 190			
Basic chemicals	16 058 307	1 300 811	1 211 759	1 072 183	1 556 461	1 288 734	1 285 106			
Other chemical products	23 851 039	1 816 697	1 764 993	1 686 572	2 132 134	2 008 327	1 986 999			
Rubber products	4 289 105	279 913	296 798	248 890	381 235	346 420	341 010			
Plastic products	9 141 795	601 329	602 732	597 362	778 841	772 851	775 710			
Glass and glass products	2 292 855	145 223	164 929	154 176	180 410	192 429	190 086			
Other non-metallic mineral products	9 129 514	621 122	579 167	609 407	786 869	787 146	771 327			
Basic iron and steel products	25 412 766	1 695 863	1 919 972	1 831 118	1 937 362	2 058 452	2 074 097			
Basic precious and non-ferrous metal products	12 143 889	831 890	1 058 919	873 355	922 312	1 099 891	965 419			
Fabricated metal products	21 842 864	1 544 731	2 116 090	1 484 426	1 916 529	2 464 980	1 846 285			
Structural metal products	8 563 859	579 676	1 259 239	458 096	815 559	1 188 742	644 445			
Other fabricated metal products	13 279 005	965 055	856 851	1 026 330	1 146 686	1 117 413	1 221 452			
Total machinery and equipment	19 075 662	1 248 897	1 283 598	1 287 262	1 553 483	1 495 622	1 612 873			
General purpose machinery	8 389 330	522 304	562 130	555 760	676 726	619 249	719 856			
Special purpose machinery	8 789 325	626 884	611 087	642 613	741 587	707 026	767 732			
Household appliances	1 897 007	99 709	110 381	88 889	167 481	160 156	146 283			
Electrical machinery, apparatus	11 323 436	840 771	713 036	688 947	1 155 146	908 693	947 741			
Radio, television and communication apparatus	4 413 239	320 478	318 240	217 957	434 183	415 064	297 285			
Professional equipment	978 414	82 192	65 427	72 430	102 647	80 307	91 064			
Motor vehicles; trailers; parts and accessories	33 595 028	2 095 204	2 154 507	2 236 514	2 680 366	3 082 286	2 871 083			
Motor vehicles	23 526 362	1 404 145	1 592 544	1 582 356	1 813 761	2 170 708	2 053 806			
Bodies for motor vehicles; trailers and semi-trailers	1 577 698	88 520	97 924	81 926	138 430	131 034	127 347			
Parts and accessories	8 490 968	602 539	464 039	572 232	721 407	760 389	687 183			
Other transport equipment	1 954 003	130 784	144 685	102 867	189 588	175 780	145 933			
Furniture	5 594 633	385 495	365 911	309 798	657 908	449 814	528 878			
Other manufacturing industries	10 851 853	944 821	990 014	748 557	1 072 723	1 048 886	857 526			

* Revised
1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	January	December*	January	January	December	January
	1999	1998		1999	1998	
Spinning, weaving and finishing of textiles	205 417	193 334	233 819	213 766	203 465	243 449
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	15 776	9 398	13 425	13 887	10 358	11 810
Other textile articles	89 184	102 560	60 464	99 380	125 923	66 835
Knitted and crotcheted fabrics and articles	115 723	113 547	144 293	118 834	116 017	148 286
Wearing apparel	865 400	867 368	942 442	925 424	955 799	1 005 469
Sawmilling and preserving of timber	14 915	13 760	19 965	14 877	15 176	19 651
Veneer sheets, plywood, laminboard, etc.	14 631	11 977	17 375	14 553	13 752	17 251
Builders' carpentry and joinery	43 779	48 459	35 562	44 049	54 220	35 643
Pulp, paper and paperboard	177 698	225 510	216 334	206 442	230 075	248 427
Corrugated paper and paperboard and containers	328 980	366 497	282 207	336 318	358 645	287 976
Paints, varnishes and coatings	32 558	31 049	25 677	31 247	33 133	25 117
Basic iron and steel products	3 019 548	3 013 570	3 287 396	2 992 407	3 000 015	3 261 891
Steel pipe and tube mills	160 100	136 276	222 121	147 113	141 633	205 202
Basic precious and non-ferrous metal products	1 136 564	1 166 522	1 248 041	1 143 626	1 189 723	1 256 217
Metal structures, parts	1 588 118	1 619 385	1 590 780	1 630 838	1 633 699	1 627 791
Cutlery, hand tools and general hardware	29 829	21 653	31 342	31 669	24 628	33 300
Metal containers, e.g. cans and tins	44 591	45 887	57 817	42 699	42 882	55 552
Cables, wire products, springs	72 882	70 146	67 088	84 928	81 425	78 486
Metal fasteners	24 848	19 239	49 897	24 569	21 877	49 390
All other metal products	1 140 649	920 834	696 176	1 256 913	1 079 351	767 059
Domestic appliances	37 298	38 949	37 439	38 809	38 586	39 117
Electric motors, generators and transformers	316 749	291 887	180 252	339 914	295 191	193 437
Insulated wire and cables	173 765	169 192	209 932	187 812	193 790	225 691
Accumulators, primary cells and primary batteries	14 176	13 056	16 103	13 426	13 526	15 138
Television, radio and						

communication apparatus	525 815	613 411	757 400	603 322	616 748	863 384
Motor vehicles	1 570 226	1 479 598	1 314 750	1 695 313	1 838 534	1 421 756
Parts and accessories for						
motor vehicles	237 552	245 227	307 320	242 159	254 756	314 013
Furniture	157 707	165 600	198 807	175 421	203 848	221 348

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* Revised