

# P3041.2

## Manufacturing: Production and sales

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### MANUFACTURERS REPORTED INCREASED PRODUCTION

*Manufacturing production reached an all-time high in April 1997, three months after the previous peak in January 1997.*

*Manufacturers reported that this peak in April 1997 was due to a longer production month, more orders completed and an increase in exports.*

Manufacturing production for the three months ended April 1997, increased by 1,5% compared with the preceding three months.

The major contributors to the increased production were the basic iron and steel (contributing +0,7 of a percentage point), non-electrical machinery (contributing +0,5 of a percentage point), and "other" chemical products industries (contributing +0,4 of a percentage point). Thirteen other major groups also reported production increases in this period.

SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production indices	Sales
Actual				
Feb. 1997 - Apr. 1997	104,6	87 191,3	+4,0	+11,3
Feb. 1996 - Apr. 1996	100,6	78 370,9		
Seasonally adjusted				
Feb. 1997 - Apr. 1997	106,2	88 083,8	+1,5	+0,4
Nov. 1996 - Jan. 1997	104,6	87 714,9		

## NOTES

1. This statistical release shows indices of the physical volume of manufacturing production and the value of sales and unfilled orders, **after benchmarking**, according to manufacturing major groups. Both actual and seasonally adjusted figures are shown. Sales and production figures for Walvis Bay are excluded as from 1 March 1994. **The former TBVC states are included.**

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.

2. 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.

3. **The results of the 1988 and 1991 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 1988 census year covers the period 1 July 1987 to 30 June 1988 and therefore the benchmarking was done on the index of January 1988).

4. 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. The weighting factors for the combining of the production indices for the manufacturing major groups to those for total manufacturing were calculated on the basis of the net output data obtained from the 1991 Manufacturing Census.

5. The 1988 and 1991 manufacturing censuses as well as the sample survey (before 1995) did not include information of the former TBVC states. Published and unpublished information for 1988 and 1991 was obtained from statistical offices of the former TBVC states and has been incorporated to ensure a comparable time series. Since 1995 the level of the sample results was raised to link up with the benchmarks. The sample data do not reflect the influence of the cyclic movement of the establishments before January 1995 in the former TBVC states.

6. Production indices for the various manufacturing subgroups, that were previously published in the **Bulletin of Statistics**, were discontinued as from the indices for January 1993. The production indices on a subgroup basis can be obtained through approximation by deflating the value of sales according to manufacturing subgroups in statistical release P0142.1 (entitled **Production Price Index**) with the production price indices for the relevant manufacturing subgroups.

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 1987 to August 1995 were published in statistical releases P3041.3 (entitled **Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1990=100, January 1987 to August 1995**) and P3041.4 (entitled **Manufacturing statistics: Value of sales, January 1987 to August 1995**).

TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL  
 HISTORICAL TABLE  
 BASE 1990 = 100

Month	1991	1992	1993	1994	1995	1996	1997
ACTUAL INDICES							
J	82,7	79,7	77,5	77,1	84,5	87,4	92,5
F	95,5	95,2	92,6	91,6	101,6	99,3	104,7
M	100,3	99,0	99,5	100,4	107,3	104,8	103,9*
A	97,8	89,8	85,8	87,4	94,6	97,7	105,2 1/
M	94,6	92,6	89,8	89,0	104,8	105,5	
J	97,6	93,4	95,4	96,0	105,3	104,2	
J	96,5	95,1	94,3	97,2	106,3	105,2*	
A	99,4	89,0	96,3	98,0	106,8	109,1*	
S	100,8	96,8	97,7	106,2	108,5	106,2	
O	103,7	103,6	102,2	108,3	113,1	116,4	
N	104,7	103,7	104,9	111,7	114,1	116,7	
D	83,0	83,6	84,1	87,1	89,3	86,9	
YEAR	96,4	93,5	93,3	95,8	103,0	103,3	
SEASONALLY ADJUSTED INDICES							
J	97,9	94,8	92,5	92,2	100,9	104,2	110,1
F	96,2	95,9	93,4	92,7	103,1	100,9	106,5
M	95,0	93,8	94,3	95,6	102,4	100,4	99,9
A	102,6	94,9	91,2	93,3	100,9	104,2	112,1
M	96,7	94,3	91,1	90,0	105,7	106,2	
J	95,4	91,7	94,1	94,8	104,0	102,9	
J	95,9	94,2	93,1	95,6	104,5	103,4	
A	95,8	86,1	93,4	95,1	103,5	105,7	
S	96,2	92,5	93,5	101,7	104,1	101,9	
O	95,3	94,7	93,0	98,3	102,5	105,4	
N	94,6	93,3	94,1	100,0	102,1	104,3	
D	94,9	95,2	95,7	99,1	101,8	99,4	

\* Revised

1/ Preliminary

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

Manufacturing Major groups	BASE 1990 = 100							
	Weights	Year	Actual indices			Seasonally adjusted indices		
			April	March*	April	April	March	April
			1997		1996		1997	
TOTAL	100,0	103,3	105,2	103,9	97,7	112,1	99,9	104,2
Food	12,1	98,1	95,0	89,1	91,5	94,7	87,8	91,0
Beverages	4,7	93,0	79,2	100,6	81,6	91,9	95,6	94,4
Tobacco 1/ Textiles	3,6	96,3	101,6	95,8	97,1	103,4	87,1	98,7
Wearing apparel, excluding Footwear	3,0	102,0	111,0	105,9	103,5	114,7	97,4	107,2
Leather and leather product Footwear	0,4	107,5	134,9	124,4	92,7	140,4	122,8	97,0
Wood and wood products, excluding furniture	1,9	105,1	115,4	109,8	103,6	119,3	104,1	107,8
Furniture (wood)	1,6	105,7	97,4	98,0	97,4	109,0	100,6	109,2
Paper and paper products	4,8	100,6	102,5	100,6	94,7	108,5	107,2	100,7
Printing and publishing	3,7	98,8	95,4	97,9	95,9	100,7	94,4	101,5
Industrial chemicals	5,5	108,3	107,3	108,6	95,5	117,3	112,4	104,5
Chemical products, excluding products of petroleum and coal	5,9	109,6	121,5	117,8	108,0	124,6	109,1	110,7
Products of petroleum and coal	6,5	141,0	152,8	139,9	139,6	149,5	152,7	136,5
Rubber products	1,6	90,0	92,3	85,5	87,5	98,7	91,4	93,8
Plastic products	2,6	115,5	110,1	109,6	104,4	118,4	104,8	112,3
Pottery	0,2	75,3	70,2	77,4	76,6	68,3	70,9	74,9
Glass and glass products	1,2	90,8*	75,8	78,8	87,3	77,3	82,3	88,9
Other non-metallic mineral products	3,3	95,4	97,0	88,6	85,2	107,4	84,4	94,2
Basic iron and steel industries	6,6	90,9	97,1	94,6	80,9	107,6	101,5	89,5
Basic non-ferrous metal industries	2,1	176,2	178,4	186,3	171,6	181,5	174,5	174,9
Metal products, excluding machinery	7,2	102,0	110,7	106,1	92,6	120,9	97,7	101,2
Machinery and equipment	6,1	103,4*	107,7	112,6	99,1	114,6	96,8	107,0
Electrical machinery	4,6	91,4*	84,5	97,8	90,1	98,5	88,2	105,2
Motor vehicles, parts and accessories	6,4	101,5	106,5	96,7	96,8	111,8	93,0	102,0
Transport equipment, exclu- ding motor vehicles, parts and accessories	1,3	66,6	65,7	66,0	64,9	69,1	60,7	68,6
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	109,1	114,9	111,0	112,0	110,6	114,5
Other manufacturing industries	1,6	82,5	79,3	91,5	79,6	86,6	85,8	87,3

\* Revised

1/ Included in Other manufacturing industries

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL

HISTORICAL TABLE  
R1 000

Month	1991	1992	1993	1994	1995	1996*	1997
ACTUAL VALUES							
J	13 792 356	14 379 830	15 099 931	16 004 450	18 789 487	21 313 668	24 548 688*
F	16 298 782	17 422 994	18 454 588	19 465 588	23 862 092	25 527 653	28 831 647*
M	17 446 046	18 689 225	20 286 764	21 662 457	26 092 304	27 410 807	28 994 302*
A	16 880 966	16 626 592	17 363 545	18 752 009	22 371 322	25 432 397	29 365 389 1/
M	16 587 264	17 357 010	18 124 591	19 353 973	25 093 463	27 427 706	
J	17 062 195	17 666 778	19 397 258	21 658 849	25 540 276	27 412 443	
J	17 166 163	18 364 973	19 352 203	21 847 460	25 037 900	27 539 134	
A	17 793 824	17 133 398	20 131 577	21 534 839	26 406 642	28 657 855	
S	18 241 448	18 844 277	20 552 563	23 476 728	26 993 419	28 489 180	
O	18 710 501	20 304 851	21 309 302	24 668 447	28 593 898	32 018 249	
N	18 912 402	20 289 550	21 847 848	25 682 617	29 173 002	32 089 859	
D	15 045 986	16 303 539	17 562 618	20 210 728	23 367 597	25 552 787	
YEAR	203 937 933	213 383 017	229 482 788	254 318 145	301 321 402	328 871 738	
SEASONALLY ADJUSTED VALUES							
J	16 545 749	17 406 351	18 428 905	19 664 755	23 176 240	26 353 911	30 382 787
F	16 489 876	17 608 590	18 655 960	19 719 158	24 231 088	25 961 734	29 341 555
M	16 385 801	17 501 967	18 952 328	20 244 173	24 402 785	25 687 703	27 231 657
A	17 797 165	17 693 047	18 606 094	20 166 971	24 041 081	27 314 640	31 510 561
M	16 990 177	17 784 469	18 608 099	19 915 445	25 878 290	28 294 021	
J	16 804 091	17 394 384	19 117 190	21 316 602	25 120 271	26 924 849	
J	17 047 020	18 240 743	19 203 588	21 683 048	24 883 303	27 383 876	
A	17 047 202	16 449 719	19 370 742	20 740 174	25 460 266	27 638 512	
S	17 249 644	17 827 049	19 445 369	22 195 460	25 538 983	26 944 871	
O	17 184 613	18 535 738	19 329 508	22 280 573	25 741 511	28 801 125	
N	17 040 397	18 211 221	19 539 738	22 912 002	25 961 574	28 526 212	
D	17 194 912	18 537 183	19 882 688	22 788 484	26 330 927	28 805 888	

\* Revised

\* Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values		
		April	March*	April	April	March	April
		1997		1996	1997		1996
		1996		1996	1997		1996
TOTAL	328 871 738*	29 365 389	28 994 302	25 432 397	31 510 561	27 231 657	27 314 640
Food	47 757 843*	4 385 853	3 945 567	3 880 672	4 347 305	3 865 453	3 841 576
Beverages	16 949 748	1 330 536	1 570 543	1 220 790	1 490 486	1 479 502	1 365 702
Tobacco 1/ Textiles	10 296 516*	978 915	916 015	854 504	1 002 245	819 948	873 360
Wearing apparel, excluding Footwear	7 746 320	761 528	749 861	672 547	752 451	664 222	667 815
Leather and leather product Footwear	1 619 753	181 411	162 082	124 045	180 766	160 811	124 568
Wood and wood products, excluding furniture	2 270 142*	188 407	200 437	171 872	207 885	185 065	189 488
Furniture (wood)	4 980 471	469 054	453 248	399 159	487 994	434 555	417 410
Paper and paper products	4 868 067	387 590	377 581	370 276	428 509	396 046	410 233
Printing and publishing	15 841 443	1 321 220	1 409 097	1 194 834	1 450 644	1 452 260	1 311 009
Industrial chemicals	9 966 977	883 639	863 987	782 158	942 477	801 097	834 811
Chemical products, excluding products of petroleum and coal	17 608 283	1 533 472	1 494 577	1 292 294	1 687 510	1 556 832	1 421 027
Products of petroleum and coal	17 763 120	1 720 011	1 701 801	1 436 445	1 771 439	1 555 962	1 478 960
Rubber products	18 373 407	1 658 278	1 652 567	1 457 866	1 670 802	1 709 297	1 468 029
Plastic products	3 781 854	345 564	311 720	323 744	348 252	316 844	328 082
Pottery	8 634 183	741 266	704 578	670 370	783 442	684 611	710 264
Glass and glass products	274 287	23 842	27 778	21 041	23 606	25 323	20 801
Other non-metallic mineral products	2 384 394	178 333	167 070	183 169	185 483	181 608	190 293
Basic iron and steel industries	8 401 910	758 512	678 356	646 297	832 759	659 037	709 537
Basic non-ferrous metal industries	20 315 076	1 864 342	1 859 728	1 571 114	2 007 940	1 927 748	1 691 071
Metal products, excluding machinery	10 427 198	965 083	971 111	774 550	1 000 006	897 897	802 808
Machinery and equipment	21 984 038	2 006 669	1 944 578	1 633 642	2 171 761	1 805 670	1 774 574
Electrical machinery	18 367 331	1 583 289	1 713 540	1 410 831	1 789 046	1 412 323	1 607 116
Motor vehicles, parts and accessories	12 446 071	1 114 001	1 234 815	976 465	1 263 397	1 038 742	1 111 560
Transport equipment, exclu- ding motor vehicles, parts and accessories	33 900 885	3 048 451	2 785 888	2 535 042	3 353 338	2 591 530	2 786 258
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 788 960*	84 486	155 131	87 206	129 569	132 635	131 937
Other manufacturing industries	1 089 565	102 081	101 516	95 112	101 815	94 863	95 613
	9 033 896	749 556	841 130	646 352	866 672	763 959	743 459

\* Revised

1/ Included in Other manufacturing industries

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	April	March*	April	April	March	April
	1997		1996	1997		1996
Spinning, weaving and finishing of textiles	278 524	291 937	276 113	280 979	296 174	278 632
Soft furnishings	69 939	67 466	70 443	71 579	65 185	71 818
Tents, tarpaulins, sails and other canvas goods and automotive textiles	12 762	13 525	13 729	11 370	14 288	12 281
Knitting mills	196 989	179 397	143 175	202 160	177 874	147 273
Clothing	1 002 356	1 038 087	1 130 185	973 003	1 065 860	1 098 982
Sawmilling from the round log	22 013	22 352	24 533	21 519	21 827	23 892
Board - laminated, plywood, particle, etc.	40 368	39 996	34 261	43 979	41 935	37 217
Carpentry and joinery and other sawmill products	34 109	29 135	31 095	33 312	30 535	30 504
Furniture (wood)	232 554	213 366	227 822	263 802	243 718	258 014
Pulp, paper and paperboard	179 968	154 612	174 305	183 096	144 674	177 686
Light and heavy packaging	330 091	350 943	309 833	354 619	355 959	332 140
Paints and varnishes	14 046	15 146	19 565	14 097	14 831	19 660
Basic iron and steel industries	3 086 219	3 049 246	2 712 087	3 110 948	3 140 623	2 737 765
Steel pipe and tube mills	377 245	404 912	221 036	417 872	423 980	243 399
Basic non-ferrous metal industries	1 081 938	1 082 817	669 209	1 086 528	1 097 949	675 805
General hardware, handtools and cutlery	38 600	32 088	27 685	40 586	31 928	28 972
Furniture (metal)	41 049	50 263	55 629	41 113	46 153	55 852
Structural metal products	1 530 921	1 484 633	1 307 453	1 517 940	1 459 209	1 298 518
Tinware	65 706	65 345	59 909	65 457	63 880	59 537
Cables, wire and springs	90 657	90 623	80 832	92 122	93 966	82 373
Headed and threaded articles	107 636	94 592	114 657	93 940	88 506	100 515
All other metal products	940 468	1 049 466	1 108 085	882 786	944 470	1 033 822
Electrical industrial machinery and apparatus	985 637	946 404	896 345	990 807	919 172	900 328
Radio, television and communication equipment	595 740	576 699	857 229	598 383	592 607	855 959
Electrical appliances and housewares	45 905	46 972	28 713	40 215	38 556	25 672
Insulated wire and cables	248 276	261 826	196 071	251 452	271 297	199 871
Dry and wet cell batteries	14 178	11 149	9 399	14 251	10 646	9 321
Other electrical goods	131 895	158 247	64 996	140 153	166 001	68 658
Motor vehicles	1 865 352	1 810 426	2 315 006	1 639 335	1 708 616	2 046 337
Motor vehicle parts	474 754	476 552	424 746	449 022	459 703	402 270

\* Revised