

P3041.2

Manufacturing: Manufacturing: production and sales

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MANUFACTURING PRODUCTION INCREASES IN THE FIRST QUARTER OF 1997

Although manufacturing production for March 1997 is on the same level as for March 1996, the seasonally adjusted production for March 1997 decreased sharply compared with the previous month. This decrease is technical due to a short production month for March reported by the majority of manufacturers. The production for the first quarter increased by 2,2% after seasonal adjustment compared with the last quarter of 1996. It is worthwhile to note that the production for the first quarter of 1997 include a relatively high production for January 1997 (see graph below). Higher production for the first quarter of 1997 was reported in 18 of the 27 manufacturing major groups.

The main contributors to the increase of 2,2% were the industrial chemical, the basic iron and steel and the machinery and equipment industries (each contributing 0,5% of a percentage point) and the chemical products industry (0,4 of a percentage point).

The seasonally adjusted value of sales of manufactured products for the first quarter of 1997 increased by 0,9% (+R766 million) compared with the last quarter of 1996.

SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production indices	Sales
Actual				
Jan. 1997 - Mar. 1997	100,3	82 401,8	+3,2	+11,0
Jan. 1996 - Mar. 1996	97,2	74 252,1		
Seasonally adjusted				
Jan. 1997 - Mar. 1997	105,4	86 943,4	+2,2	+0,9
Oct. 1996 - Dec. 1996	103,1	86 177,7		

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 as soon as better information is available.

2. **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 1998 census year covers the period 1 July 1987 to 30 June 1988 and therefore the benchmarking was done on the index of January 1988).

3. The calculation of the monthly manufacturing indices is based on the value of manufactured products and articles 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 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 formation 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	103,81/
A	97,8	89,8	85,8	87,4	94,6	97,7	
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	105,4	
A	99,4	89,0	96,3	98,0	106,8	109,3	
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	104,1	110,1
F	96,2	95,9	93,4	92,6	102,9	100,7	106,2
M	95,0	93,7	94,3	95,6	102,5	100,6	100,0
A	102,7	95,1	91,5	93,6	101,6	105,0	
M	96,7	94,3	91,0	89,8	105,4	105,8	
J	95,4	91,7	94,1	94,8	104,0	102,9	
J	95,9	94,2	93,0	95,6	104,5	103,6	
A	95,8	86,1	93,4	95,1	103,5	105,8	
S	96,2	92,5	93,5	101,7	104,0	101,8	
O	95,3	94,7	93,0	98,3	102,5	105,5	
N	94,6	93,3	94,1	100,0	102,0	104,4	
D	94,9	95,2	95,7	99,1	101,8	99,3	

* Revised

1/ Preliminary

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

BASE 1990 = 100

Manufacturing Major groups	Weights	Actual indices				Seasonally adjusted indices			
		Year 1996*	March 1/	February*	March	March	February	March	
			1997		1996		1997		1996
TOTAL	100,0	103,3	103,8	104,7	104,8	100,0	106,2	100,6	
Food	12,1	98,1	89,1	92,4	97,0	88,3	97,8	95,7	
Beverages	4,7	93,0	100,1	86,3	94,9	95,7	98,9	90,1	
Tobacco 1/ Textiles	3,6	96,3	98,4	102,1	104,9	89,5	99,2	95,2	
Wearing apparel, excluding Footwear	3,0	102,0	102,6	104,4	117,2	94,2	99,8	107,3	
Leather and leather product Footwear	0,4	107,5	127,0	126,2	104,7	123,5	124,0	101,6	
Wood and wood products, excluding furniture	1,9	105,1	113,6	111,0	108,4	108,1	110,1	103,1	
Furniture (wood)	1,6	105,7	100,8	109,5	106,8	102,9	111,0	108,1	
Paper and paper products	4,8	100,6	100,3	99,7	90,7	105,3	97,9	95,1	
Printing and publishing	3,7	98,8	100,0	98,7	104,0	95,7	97,5	99,3	
Industrial chemicals	5,5	108,3	105,9	111,4	100,7	109,6	113,3	104,1	
Chemical products, excluding products of petroleum and coal	5,9	109,6	115,7	115,2	117,5	106,8	119,8	108,4	
Products of petroleum and coal	6,5	141,0	135,8	142,4	133,6	149,4	146,4	147,4	
Rubber products	1,6	90,0	85,5	107,4	94,1	91,1	99,2	99,5	
Plastic products	2,6	115,5	106,6	118,4	118,7	102,8	113,9	114,2	
Pottery	0,2	75,3	77,4	74,6	88,4	71,3	71,1	82,7	
Glass and glass products	1,2	91,0	78,8	98,8	87,5	83,2	92,9	91,8	
Other non-metallic mineral products	3,3	95,4	90,2	93,6	97,6	86,4	96,4	93,3	
Basic iron and steel industries	6,6	90,9	94,6	96,9	86,5	101,0	102,1	91,7	
Basic non-ferrous metal industries	2,1	176,2	190,8	165,6	178,3	178,7	183,2	166,3	
Metal products, excluding machinery	7,2	102,0	105,2	104,7	103,7	98,1	104,7	96,3	
Machinery and equipment	6,1	103,6	117,4	105,8	121,7	99,9	106,6	102,8	
Electrical machinery	4,6	91,6	97,8	95,1	99,7	88,1	94,8	89,1	
Motor vehicles, parts and accessories	6,4	101,5	96,7	107,6	97,4	92,5	102,5	92,0	
Transport equipment, exclu- ding motor vehicles, parts and accessories	1,3	66,6	66,0	54,6	66,9	59,7	56,8	60,7	
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	114,9	108,5	110,4	110,4	112,8	104,9	
Other manufacturing industries	1,6	82,5	90,4	88,6	86,2	84,7	85,9	80,5	

* 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	24 559 067*
F	16 298 782	17 422 994	18 454 588	19 465 588	23 862 092	25 527 653	28 815 015
M	17 446 046	18 689 225	20 286 764	21 662 457	26 092 304	27 410 807	29 027 6911/
A	16 880 966	16 626 592	17 363 545	18 752 009	22 371 322	25 432 397	
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	27 517 010	
A	17 793 824	17 133 398	20 131 577	21 534 839	26 406 642	28 653 975	
S	18 241 448	18 844 277	20 552 563	23 476 728	26 993 419	28 487 896	
O	18 710 501	20 304 851	21 309 302	24 668 447	28 593 898	32 036 468	
N	18 912 402	20 289 550	21 847 848	25 682 617	29 173 002	32 106 920	
D	15 045 986	16 303 539	17 562 618	20 210 728	23 367 597	25 597 320	
YEAR	203 937 933	213 383 017	229 482 788	254 318 145	301 321 402	328 924 263	
SEASONALLY ADJUSTED VALUES							
J	16 545 463	17 404 523	18 423 036	19 654 964	23 155 428	26 325 509	30 364 905
F	16 487 961	17 605 057	18 647 708	19 697 122	24 178 310	25 880 807	29 227 882
M	16 382 186	17 496 775	18 952 265	20 262 378	24 445 689	25 754 630	27 350 629
A	17 789 777	17 690 816	18 612 045	20 177 301	24 122 221	27 453 834	
M	16 989 437	17 772 664	18 578 375	19 861 284	25 782 368	28 173 358	
J	16 800 225	17 386 534	19 103 417	21 301 827	25 094 196	26 890 866	
J	17 038 542	18 230 740	19 192 493	21 677 891	24 874 436	27 346 864	
A	17 089 264	16 514 030	19 478 872	20 866 131	25 629 051	27 828 475	
S	17 243 980	17 818 610	19 423 428	22 160 230	25 472 400	26 860 622	
O	17 184 206	18 531 553	19 326 457	22 281 551	25 746 297	28 826 326	
N	17 035 339	18 203 499	19 532 456	22 902 483	25 951 914	28 535 580	
D	17 189 851	18 529 518	19 870 472	22 764 496	26 293 655	28 815 817	

* Revised
 1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values		
		March 1/	February*	March	March	February	March
		1997		1996	1997		1996
		1996*			1997		1996
TOTAL	328 924 263	29 027 691	28 815 015	27 410 807	27 350 629	29 227 882	25 754 630
Food	47 792 501	3 955 045	4 004 202	3 851 106	3 897 539	4 198 738	3 788 961
Beverages	16 949 748	1 565 926	1 272 609	1 402 988	1 475 541	1 495 142	1 313 972
Tobacco 1/ Textiles	10 303 795	917 507	913 920	933 829	825 360	895 448	838 322
Wearing apparel, excluding Footwear	7 746 320	740 471	684 950	775 370	652 762	681 510	684 261
Leather and leather product Footwear	1 619 753	162 082	168 192	131 257	158 743	161 031	128 369
Footwear	2 272 902	196 144	183 403	203 578	179 923	185 085	185 638
Wood and wood products, excluding furniture	4 980 471	466 461	453 376	406 645	449 602	455 163	391 432
Furniture (wood)	4 868 067	388 627	410 438	380 696	404 605	426 729	392 962
Paper and paper products	15 841 443	1 414 110	1 344 682	1 258 991	1 452 984	1 308 453	1 294 870
Printing and publishing	9 966 977	876 942	867 875	885 648	824 678	868 012	831 978
Industrial chemicals	17 608 283	1 491 101	1 622 952	1 333 818	1 557 047	1 617 303	1 390 264
Chemical products, excluding products of petroleum and coal	17 763 120	1 682 171	1 557 003	1 568 613	1 551 380	1 623 148	1 444 577
Products of petroleum and coal	18 373 407	1 694 372	1 755 481	1 424 725	1 755 077	1 788 242	1 480 526
Rubber products	3 781 854	313 677	334 286	331 663	318 603	330 963	335 980
Plastic products	8 634 183	687 940	757 460	704 990	669 222	746 427	683 703
Pottery	274 287	27 778	26 987	25 193	25 609	25 936	23 531
Glass and glass products	2 384 394	167 070	203 047	179 717	182 027	197 960	194 406
Other non-metallic mineral products	8 401 910	674 823	714 249	678 780	657 325	746 227	658 841
Basic iron and steel industries	20 315 076	1 836 600	1 874 269	1 643 704	1 872 859	1 976 983	1 672 292
Basic non-ferrous metal industries	10 427 198	995 393	912 761	814 401	929 909	993 531	758 448
Metal products, excluding machinery	21 984 038	1 936 792	1 941 891	1 755 302	1 803 918	1 936 003	1 627 938
Machinery and equipment	18 367 331	1 737 370	1 513 904	1 882 664	1 452 278	1 507 990	1 563 302
Electrical machinery	12 446 071	1 232 744	1 101 562	1 208 472	1 045 191	1 105 962	1 020 191
Motor vehicles, parts and accessories	33 900 885	2 782 241	2 962 387	2 670 146	2 645 266	2 825 861	2 510 185
Transport equipment, exclu- ding motor vehicles, parts and accessories	1 796 788	151 698	245 820	127 686	133 413	198 590	107 079
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 089 565	95 661	96 798	81 566	90 264	99 594	76 344
Other manufacturing industries	9 033 896	836 945	890 511	749 259	760 196	839 720	677 535

* 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		
	March	February*	March	March	February	March
	1997		1996	1997		1996
Spinning, weaving and finishing of textiles	333 333	344 652	264 490	337 288	347 950	268 424
Soft furnishings	69 954	61 719	77 681	67 388	60 516	75 033
Tents, tarpaulins, sails and other canvas goods and automotive textiles	13 525	9 128	10 781	14 100	10 512	11 326
Knitting mills	179 397	191 822	143 686	178 898	196 025	142 549
Clothing	1 038 087	974 847	993 892	1 053 575	1 018 632	1 011 727
Sawmilling from the round log	22 352	24 690	26 113	21 857	22 280	25 611
Board - laminated, plywood, particle, etc.	39 996	35 254	32 019	41 634	38 871	33 435
Carpentry and joinery and other sawmill products	29 135	36 152	25 448	30 247	37 556	26 175
Furniture (wood)	217 281	220 746	233 609	245 816	254 076	264 714
Pulp, paper and paperboard	154 612	202 299	170 821	144 935	205 188	160 098
Light and heavy packaging	332 968	343 321	324 762	340 367	344 241	332 336
Paints and varnishes	13 132	20 327	9 720	12 501	19 697	9 219
Basic iron and steel industries	3 055 005	3 030 849	2 517 088	3 157 755	3 129 579	2 594 628
Steel pipe and tube mills	404 912	424 981	243 968	420 318	425 174	252 982
Basic non-ferrous metal industries	1 084 071	1 153 349	630 954	1 108 324	1 120 420	647 809
General hardware, handtools and cutlery	30 785	39 368	33 762	30 932	38 118	33 793
Furniture (metal)	50 263	43 630	56 405	46 907	47 719	52 739
Structural metal products	1 462 957	1 447 464	1 324 131	1 433 085	1 401 765	1 300 276
Tinware	65 345	69 114	68 430	63 746	70 207	67 140
Cables and wire products	71 764	78 452	58 152	75 556	75 374	60 686
Headed and threaded articles	94 592	94 425	111 012	86 786	90 751	102 195
All other metal products	1 049 466	946 509	1 132 138	950 151	890 361	1 030 954
Electrical industrial machinery and apparatus	904 053	939 229	923 735	873 078	951 763	889 006
Radio, television and communication equipment	576 699	588 057	860 874	591 207	586 644	882 098
Electrical appliances and housewares	34 540	43 582	26 954	29 310	43 821	23 140
Insulated wire and cables	261 826	216 602	218 267	271 459	214 368	226 158
Dry and wet cell batteries	11 149	11 404	11 281	10 501	12 041	10 449
Other electrical goods	158 247	92 832	73 146	164 587	104 098	76 306
Motor vehicles	1 810 426	1 685 311	1 966 264	1 712 832	1 728 422	1 880 909
Motor vehicle parts	485 220	494 551	415 286	467 827	469 284	400 636

* Revised