

P3041.2

Manufacturing: Production and sales

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MANUFACTURING PRODUCTION STILL ON HIGH LEVEL

Despite substantial fluctuations in the seasonally adjusted indices in 1997, the manufacturing production is still showing an upward trend. The average seasonally adjusted production index for the latest three months up to May 1997 exceeded that for the preceding three months by 1,4%. Increases in production were recorded in 16 of the 28 manufacturing major groups.

The largest relative contributors to the increases of 1,4%, were the beverage, basic iron and steel products, fabricated steel products, and motor vehicle industry.

Sales of manufactured products increased with only 0,1% over this period. Manufacturers of beverages and basic iron and steel products, electrical machinery and chemical products reported the highest increased sales. Car manufacturers are building up stock of new ranges of vehicles.

SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production indices	Sales
Actual				
Mar. 1997 - May 1997	106,2	87 950,2	+3,4	+9,6
Mar. 1996 - May 1996	102,7	80 270,9		
Seasonally adjusted				
Mar. 1997 - May 1997	106,9	88 766,5	+1,4	+0,1
Dec. 1996 - Feb. 1997	105,4	88 707,8		

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	104,0
A	97,8	89,8	85,8	87,4	94,6	97,7	106,0
M	94,6	92,6	89,8	89,0	104,8	105,5	108,6 1/
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	101,0	104,3	110,2
F	96,2	95,9	93,5	92,7	103,2	101,0	106,6
M	95,0	93,8	94,4	95,6	102,5	100,5	100,1
A	102,6	94,9	91,3	93,3	101,0	104,3	113,1
M	96,7	94,3	90,9	89,6	104,8	104,9	107,6
J	95,4	91,7	94,1	94,8	104,1	103,0	
J	95,9	94,2	93,1	95,6	104,6	103,5	
A	95,8	86,1	93,4	95,1	103,6	105,8	
S	96,2	92,5	93,6	101,8	104,2	102,0	
O	95,3	94,7	93,0	98,3	102,6	105,6	
N	94,6	93,3	94,1	100,1	102,2	104,5	
D	94,9	95,3	95,7	99,2	102,0	99,5	

* Revised

1/ Preliminary

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

BASE 1990 = 100

Manufacturing Major groups	Weights	Year 1996	Actual indices			Seasonally adjusted indices					
			May	2/	April	May	May	April	May		
			1997			1996			1997		
TOTAL	100,0	103,3	108,6	106,0	105,5	107,6	113,1	104,9			
Food	12,1	98,1	101,1	95,0	100,7	100,1	97,8	99,8			
Beverages	4,7	93,0	94,0	77,7	84,2	103,5	91,2	93,6			
Tobacco 1/											
Textiles	3,6	96,3	106,4	101,6	106,1	100,1	103,4	100,0			
Wearing apparel, excluding footwear	3,0	102,0	94,5	111,0	99,0	100,5	115,3	105,8			
Leather and leather products	0,4	107,5	127,7	134,9	113,1	120,6	137,5	107,3			
Footwear	1,1	70,8	65,4	64,5	62,5	69,9	69,5	66,9			
Wood and wood products, excluding furniture	1,9	105,1	111,4	115,4	110,3	108,9	120,3	108,3			
Furniture (wood)	1,6	105,7	102,3	97,4	106,3	103,7	108,9	108,0			
Paper and paper products	4,8	100,6	93,0	102,5	93,1	97,9	107,7	97,7			
Printing and publishing	3,7	98,8	98,1	93,5	99,4	99,2	99,3	101,1			
Industrial chemicals	5,5	108,3	106,7	107,3	106,9	114,4	117,2	115,0			
Chemical products, excluding products of petroleum and coal	5,9	109,6	121,9	121,5	115,4	122,4	124,1	115,6			
Products of petroleum and coal	6,5	141,0	157,3	152,8	133,7	155,3	149,5	131,6			
Rubber products	1,6	90,0	87,9	93,1	89,7	91,0	97,5	92,8			
Plastic products	2,6	115,5	110,3	109,6	120,7	112,0	117,5	122,7			
Pottery	0,2	75,3	73,3	70,2	80,0	70,4	68,3	77,1			
Glass and glass products	1,2	90,8	78,6	75,8	92,9	80,6	77,2	95,4			
Other non-metallic mineral products	3,3	95,4	99,1	97,0	99,8	96,6	107,5	97,6			
Basic iron and steel industries	6,6	90,9	107,1	102,4	95,1	103,6	112,8	92,1			
Basic non-ferrous metal industries	2,1	176,2	185,0	178,4	190,7	179,2	181,7	186,0			
Metal products, excluding machinery	7,2	102,0	124,2	110,7	99,6	119,3	121,7	96,2			
Machinery and equipment	6,1	103,4	99,1	107,7	103,9	101,0	115,9	106,8			
Electrical machinery	4,6	91,4	100,1	92,9	95,2	97,5	108,6	93,8			
Motor vehicles, parts and accessories	6,4	101,5	108,1	107,0	123,7	103,0	113,4	118,5			
Transport equipment, excluding motor vehicles, parts and accessories	1,3	66,6	66,0	65,7	77,0	65,1	70,0	76,7			
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	106,4	109,1	111,0	105,5	110,3	110,3			
Other manufacturing industries	1,6	82,5	92,8	87,1	87,5	90,3	93,0	85,8			

* Revised

1/ Included in Other manufacturing industries

2/ Preliminary

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	28 843 999
M	17 446 046	18 689 225	20 286 764	21 662 457	26 092 304	27 410 807	28 956 036
A	16 880 966	16 626 592	17 363 545	18 752 009	22 371 322	25 432 397	29 471 606
M	16 587 264	17 357 010	18 124 591	19 353 973	25 093 463	27 427 706	29 522 543 1/
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	16 548 680	17 413 605	18 442 645	19 685 698	23 213 488	26 405 278	30 445 123
F	16 492 032	17 615 048	18 669 533	19 738 644	24 266 072	26 005 461	29 407 058
M	16 386 565	17 506 567	18 965 608	20 268 788	24 450 974	25 752 953	27 273 026
A	17 796 503	17 696 950	18 619 142	20 192 643	24 089 532	27 386 259	31 719 057
M	16 982 082	17 740 257	18 495 681	19 722 550	25 469 217	27 738 658	29 774 399
J	16 802 459	17 395 188	19 125 252	21 334 530	25 157 031	26 973 375	
J	17 042 286	18 238 099	19 207 188	21 696 167	24 914 240	27 428 381	
A	17 046 043	16 450 041	19 375 751	20 751 002	25 486 270	27 674 337	
S	17 250 595	17 830 252	19 454 510	22 211 845	25 571 479	26 986 763	
O	17 184 398	18 537 970	19 335 912	22 292 796	25 767 568	28 838 812	
N	17 045 367	18 220 367	19 553 824	22 935 447	25 996 526	28 570 075	
D	17 202 436	18 550 802	19 902 183	22 821 141	26 375 283	28 855 637	

* Revised

1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values					
		May	2/	April	May	May	April	May		
		1997			1996					
	1996				1997			1996		
TOTAL	328 871 738	29 522 543	29 471 606	27 427 706	29 774 399	31 719 057	27 738 658			
Food	47 757 843	4 022 908	4 385 853	3 893 862	4 109 214	4 342 077	3 969 984			
Beverages	16 949 748	1 486 151	1 304 540	1 250 120	1 642 124	1 486 584	1 392 303			
Tobacco 1/										
Textiles	10 296 516	1 043 713	978 915	926 929	972 253	1 005 703	866 563			
Wearing apparel, excluding footwear	7 746 320	639 825	761 528	583 931	707 399	753 079	647 162			
Leather and leather product	1 619 753	171 689	181 411	148 695	159 917	183 844	139 388			
Footwear	2 270 142	183 470	192 475	166 250	196 472	213 696	178 483			
Wood and wood products, excluding furniture	4 980 471	463 673	469 569	414 477	475 952	485 946	426 009			
Furniture (wood)	4 868 067	402 060	387 590	399 538	409 502	427 591	407 810			
Paper and paper products	15 841 443	1 302 596	1 321 220	1 204 919	1 371 859	1 437 504	1 264 838			
Printing and publishing	9 966 977	896 073	868 809	849 861	894 561	934 343	854 170			
Industrial chemicals	17 608 283	1 482 588	1 533 472	1 404 177	1 583 559	1 676 821	1 505 841			
Chemical products, excluding products of petroleum and coal	17 763 120	1 692 826	1 720 011	1 504 454	1 685 014	1 771 394	1 495 941			
Products of petroleum and coal	18 373 407	1 686 195	1 672 800	1 336 116	1 771 405	1 691 506	1 399 358			
Rubber products	3 781 854	324 686	348 834	306 427	334 292	348 890	314 405			
Plastic products	8 634 183	744 257	738 720	720 152	758 581	779 005	734 626			
Pottery	274 287	24 240	23 842	23 603	23 984	23 650	23 312			
Glass and glass products	2 384 394	176 081	178 333	178 669	194 146	186 123	195 611			
Other non-metallic mineral products	8 401 910	777 238	758 512	727 541	751 771	831 350	706 304			
Basic iron and steel industries	20 315 076	2 020 523	1 864 342	1 795 990	1 920 093	1 997 639	1 709 692			
Basic non-ferrous metal industries	10 427 198	1 063 182	965 083	951 911	968 108	995 142	876 495			
Metal products, excluding machinery	21 984 038	2 040 975	2 006 669	1 795 946	1 995 287	2 180 355	1 759 322			
Machinery and equipment	18 367 331	1 546 004	1 583 289	1 505 041	1 613 496	1 786 081	1 578 180			
Electrical machinery	12 446 071	1 217 583	1 114 001	1 060 577	1 206 278	1 293 998	1 058 806			
Motor vehicles, parts and accessories	33 900 885	2 934 935	3 068 451	3 322 839	2 689 340	3 387 133	3 072 178			
Transport equipment, excluding motor vehicles, parts and accessories	1 788 960	194 007	145 954	92 735	229 319	206 756	110 482			
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 089 565	99 345	97 761	92 551	98 156	99 926	91 470			
Other manufacturing industries	9 033 896	885 720	799 622	770 395	872 272	907 498	763 065			

* Revised

1/ Included in Other manufacturing industries

2/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	May	April	May	May	April	May
	1997		1996	1997		1996
Spinning, weaving and finishing of textiles	306 603	306 493	265 284	315 424	311 044	272 377
Soft furnishings	71 099	69 939	70 254	74 716	71 760	74 435
Tents, tarpaulins, sails and other canvas goods and automotive textiles	9 785	9 769	9 687	9 644	9 820	9 427
Knitting mills	188 256	196 989	134 188	204 494	201 655	146 595
Clothing	1 061 262	1 002 356	1 083 057	997 896	976 264	1 021 991
Sawmilling from the round log	22 099	22 013	23 744	21 830	21 558	23 397
Board - laminated, plywood, particle, etc.	39 136	43 605	34 136	43 826	45 467	38 046
Carpentry and joinery and other sawmill products	30 782	33 189	33 674	31 389	32 402	34 488
Furniture (wood)	207 021	232 554	186 412	247 921	263 184	221 269
Pulp, paper and paperboard	189 105	179 968	197 053	182 116	184 112	190 927
Light and heavy packaging	348 159	330 091	297 603	366 539	354 965	312 434
Paints and varnishes	13 493	17 285	18 040	14 779	16 924	19 740
Basic iron and steel industries	3 101 523	3 086 219	2 688 735	3 059 598	3 085 016	2 658 168
Steel pipe and tube mills	360 044	377 245	274 344	363 327	406 205	273 332
Basic non-ferrous metal industries	1 075 703	1 081 938	656 517	1 074 110	1 084 792	655 228
General hardware, handtools and cutlery	37 030	39 861	34 831	34 924	40 565	33 130
Furniture (metal)	59 432	43 132	58 833	54 191	43 591	54 315
Structural metal products	1 629 798	1 530 921	1 317 127	1 629 253	1 530 656	1 310 752
Tinware	48 711	65 706	60 088	54 768	64 724	67 397
Cables, wire and springs	102 949	90 657	79 731	95 361	90 725	74 534
Headed and threaded articles	99 707	107 636	102 151	91 175	94 811	92 590
All other metal products	843 201	940 468	1 108 509	801 721	872 248	1 049 250
Electrical industrial machinery and apparatus	946 098	945 479	842 068	965 500	950 321	859 780
Radio, television and communication equipment	669 483	595 740	851 988	609 826	600 924	778 858
Electrical appliances and housewares	53 305	45 905	22 043	53 149	41 472	21 871
Insulated wire and cables	232 017	248 276	203 671	220 627	246 580	193 557
Dry and wet cell batteries	13 725	14 178	10 030	14 282	14 429	10 311
Other electrical goods	93 243	131 895	68 075	94 522	138 554	69 352
Motor vehicles	1 750 148	1 865 352	2 018 662	1 580 595	1 641 590	1 831 438
Motor vehicle parts	479 522	474 754	410 982	461 481	450 032	392 900

* Revised