

P3041.2

Manufacturing: Manufacturing: production and sales

February 1997

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MANUFACTURING PRODUCTION ON THE INCREASE

Manufacturing production for the last three months up to February 1997 shows an increase of 1,2% after seasonal adjustment compared with the previous three months.

The main contributors to the increase of 1,2% were the metal industries (contributing + 0,4 of a percentage point), followed by the industrial chemical, the petroleum and the basic iron and steel industries (each contributing + 0,3 of a percentage point).

The seasonally adjusted value of sales of manufactured products for the three months up to February 1997 increased by 4,4% (R3 711 million) compared with the preceding three months.

SUMMARY - TOTAL MANUFACTURING						
Period		Production indices	Sales	Percentage change of:		
		1990 = 100	R mill.	Production indices	Sales	
Actual						
Dec. 1996	-	Feb. 1997	94,3	78 203,2	+2,5	+11,4
Dec. 1995	-	Feb. 1996	92,0	70 208,9		
Seasonally adjusted						
Dec. 1996	-	Feb. 1997	105,1	87 843,2	+1,2	+4,4
Sept. 1996	-	Nov. 1996	103,9	84 132,1		

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 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	92,3*
F	95,5	95,2	92,6	91,6	101,6	99,2	104,0 1/
M	100,3	99,0	99,5	100,4	107,3	104,8	
A	97,8	89,8	85,8	87,4	94,6	97,6	
M	94,6	92,6	89,8	89,0	104,8	105,5	
J	97,6	93,4	95,4	96,0	105,3	104,1	
J	96,5	95,1	94,3	97,2	106,3	104,7	
A	99,4	89,0	96,3	98,0	106,8	108,8	
S	100,8	96,8	97,7	106,2	108,5	106,2	
O	103,7	103,6	102,2	108,3	113,1	116,0	
N	104,7	103,7	104,9	111,7	114,1	116,7	
D	83,0	83,6	84,1	87,1	89,3	86,7	
YEAR	96,4	93,5	93,3	95,8	103,0	103,1	
SEASONALLY ADJUSTED INDICES							
J	97,9	94,8	92,6	92,2	101,0	104,3	110,0
F	96,2	95,9	93,5	92,8	103,3	101,1	106,1
M	94,9	93,6	94,0	94,8	101,4	99,0	
A	102,7	95,1	91,5	93,7	101,7	105,1	
M	96,7	94,3	91,0	89,8	105,4	105,8	
J	95,4	91,7	94,1	94,8	104,1	102,9	
J	96,0	94,2	93,1	95,7	104,6	103,0	
A	95,8	86,1	93,4	95,1	103,5	105,4	
S	96,2	92,6	93,7	101,9	104,3	102,1	
O	95,3	94,7	93,0	98,4	102,6	105,2	
N	94,6	93,3	94,1	100,1	102,1	104,4	
D	94,9	95,3	95,7	99,2	101,9	99,3	

* 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		
			February 1/	January *	February	February	January	February
			1997		1996	1997		1996
TOTAL	100,0	103,1	104,0	92,3	99,2	106,1	110,0	101,1
Food	12,1	98,0	91,1	83,0	91,9	96,9	97,0	97,5
Beverages	4,7	93,0	87,1	94,8	77,9	100,1	98,0	89,9
Tobacco 2/								
Textiles	3,6	96,3	102,1	74,0	99,1	99,6	102,9	96,7
Wearing apparel, excluding footwear	3,0	102,0	102,8	65,6	116,3	100,1	106,0	113,2
Leather and leather product footwear	0,4 1,1	107,5 70,8	126,2 68,1	88,2 42,0	95,3 72,6	123,8 69,0	120,8 71,1	93,5 74,1
Wood and wood products, excluding furniture	1,9	103,2	111,0	87,2	102,6	111,2	120,8	102,5
Furniture (wood)	1,6	105,9	109,0	61,8	108,8	112,0	113,5	112,2
Paper and paper products	4,8	100,6	97,2	98,4	92,6	95,3	107,0	90,5
Printing and publishing	3,7	98,8	99,4	88,6	101,2	98,6	100,0	100,4
Industrial chemicals	5,5	109,1	112,2	102,5	99,9	115,4	119,3	102,6
Chemical products, excluding products of petroleum and coal	5,9	109,6	109,5	95,9	102,0	113,8	120,0	105,8
Products of petroleum and coal	6,5	141,9	144,9	167,8	137,8	148,9	156,2	140,9
Rubber products	1,6	89,9	107,4	70,1	102,7	101,2	99,1	97,2
Plastic products	2,6	115,5	118,4	89,9	123,2	116,6	119,7	121,4
Potttery	0,2	75,3	74,6	48,3	88,7	71,2	69,4	85,3
Glass and glass products	1,2	91,0	98,8	74,5	95,9	93,4	84,8	91,2
Other non-metallic mineral products	3,3	95,4	92,3	79,1	88,8	95,7	95,3	92,0
Basic iron and steel industries	6,6	90,9	98,6	90,7	88,2	103,4	94,9	92,6
Basic non-ferrous metal industries	2,1	176,2	162,5	195,3	143,9	181,3	204,2	158,6
Metal products, excluding machinery	7,2	99,2	99,8	85,6	97,2	100,7	101,9	98,0
Machinery and equipment	6,1	103,6	106,6	87,4	97,9	107,3	105,3	97,5
Electrical machinery	4,6	91,6	93,7	68,3	87,7	94,3	92,4	87,7
Motor vehicles, parts and accessories	6,4	101,5	108,0	86,4	101,6	104,7	110,8	98,6
Transport equipment, exclu- ding motor vehicles, parts and accessories	1,3	65,7	54,6	56,0	54,9	56,9	60,0	56,9
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	108,5	89,0	86,5	113,5	105,7	89,8
Other manufacturing industries	1,6	82,5	88,6	63,5	82,9	86,1	89,4	81,3

* Revised

1/ Preliminary

2/ 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	24 588 261*
F	16 298 782	17 422 994	18 454 588	19 465 588	23 862 092	25 527 653	28 531 948 1/
M	17 446 046	18 689 225	20 286 764	21 662 457	26 092 304	27 431 441	
A	16 880 966	16 626 592	17 363 545	18 752 009	22 371 322	25 438 520	
M	16 587 264	17 357 010	18 124 591	19 353 973	25 093 463	27 429 513	
J	17 062 195	17 666 778	19 397 258	21 658 849	25 540 276	27 418 927	
J	17 166 163	18 364 973	19 352 203	21 847 460	25 037 900	27 298 517	
A	17 793 824	17 133 398	20 131 577	21 534 839	26 406 642	28 561 573	
S	18 241 448	18 844 277	20 552 563	23 476 728	26 993 419	28 437 703	
O	18 710 501	20 304 851	21 309 302	24 668 447	28 593 898	31 909 418	
N	18 912 402	20 289 550	21 847 848	25 682 617	29 173 002	32 042 132	
D	15 045 986	16 303 539	17 562 618	20 210 728	23 367 597	25 082 998	
YEAR	203 937 933	213 383 017	229 482 788	254 318 145	301 321 402	327 892 063	
SEASONALLY ADJUSTED VALUES							
J	16 543 261	17 400 366	18 424 968	19 657 548	23 154 480	26 313 666	30 389 788
F	16 485 191	17 598 196	18 646 863	19 718 576	24 235 103	25 973 229	29 062 717
M	16 379 115	17 488 167	18 896 029	20 107 969	24 190 565	25 420 311	
A	17 786 002	17 681 664	18 600 921	20 169 444	24 115 453	27 455 224	
M	16 995 473	17 790 083	18 614 006	19 917 337	25 872 062	28 288 667	
J	16 797 299	17 380 465	19 093 007	21 290 635	25 075 614	26 877 732	
J	17 042 958	18 233 510	19 197 188	21 688 692	24 889 017	27 148 681	
A	17 090 203	16 515 934	19 475 708	20 857 723	25 604 598	27 712 926	
S	17 244 103	17 820 709	19 454 069	22 234 332	25 609 929	26 984 243	
O	17 193 319	18 545 885	19 338 670	22 281 626	25 729 536	28 687 824	
N	17 035 143	18 208 511	19 536 408	22 898 152	25 935 350	28 460 052	
D	17 188 634	18 533 973	19 902 440	22 833 547	26 417 213	28 390 667	

* Revised

1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values		
		February	January	February	February	January	February
		1/	*				
		1996*	1997	1996	1997	1996	1996
TOTAL	327 892 063	28 531 948	24 588 261	25 527 653	29 062 717	30 389 788	25 973 229
Food	47 603 943	3 948 907	3 599 762	3 580 759	4 162 348	4 190 191	3 767 860
Beverages	16 949 748	1 287 368	1 418 894	1 074 067	1 514 573	1 498 375	1 263 815
Tobacco 2/							
Textiles	10 303 795	913 920	627 402	852 659	898 515	917 662	838 181
Wearing apparel, excluding							
Footwear	7 746 320	684 950	388 678	661 950	687 308	693 032	662 774
Leather and leather product	1 619 753	168 192	111 207	107 178	161 764	154 656	103 456
Footwear	2 272 902	183 403	107 016	195 515	186 366	204 729	199 683
Wood and wood products, excluding furniture	4 962 449	450 353	349 698	393 120	454 174	498 709	394 994
Furniture (wood)	4 832 491	409 730	239 534	395 960	427 059	436 219	413 626
Paper and paper products	15 874 171	1 356 140	1 323 838	1 206 058	1 311 541	1 471 640	1 164 231
Printing and publishing	9 915 687	874 369	780 409	829 257	878 644	886 866	832 879
Industrial chemicals	17 674 097	1 615 774	1 387 045	1 367 124	1 634 962	1 607 508	1 383 088
Chemical products, excluding products of petroleum and coal							
Products of petroleum and coal	17 774 952	1 546 761	1 314 743	1 353 655	1 625 804	1 626 423	1 418 545
Rubber products	18 379 039	1 639 237	1 844 548	1 426 757	1 669 088	2 000 845	1 453 533
Plastic products	3 781 854	334 286	251 423	319 000	332 176	358 634	315 812
Pottery	8 634 183	757 460	588 989	708 785	752 826	779 316	703 631
Glass and glass products	274 287	26 987	17 507	22 697	25 975	24 680	21 898
Other non-metallic mineral products	2 384 394	203 047	166 063	194 188	199 182	194 314	190 463
Basic iron and steel industries	8 401 910	714 249	586 693	606 639	751 533	734 713	636 142
Basic non-ferrous metal industries	20 317 088	1 869 553	1 614 726	1 584 050	1 966 342	1 694 515	1 664 664
Metal products, excluding machinery	10 443 990	916 307	889 539	660 025	1 007 869	1 009 941	719 482
Machinery and equipment	21 185 849	1 884 500	1 526 892	1 702 861	1 897 695	1 890 067	1 710 327
Electrical machinery	18 389 569	1 526 668	1 281 602	1 326 094	1 543 345	1 635 606	1 325 758
Motor vehicles, parts and accessories	12 561 282	1 112 471	842 177	981 631	1 133 342	1 156 013	991 918
Transport equipment, excluding motor vehicles, parts and accessories	33 906 970	2 955 373	2 415 466	2 841 260	2 880 786	3 192 638	2 768 875
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 577 879	169 253	108 206	260 721	148 140	133 474	232 885
Other manufacturing industries	1 089 565	96 798	80 348	84 338	101 592	104 182	87 971
	9 033 896	885 892	725 856	791 305*	844 851	894 020	759 149

* Revised

1/ Preliminary

2/ Included in "Other" manufacturing industries

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	February	January	February	February	January	February
	1997	1996	1996	1997	1996	1996
Spinning, weaving and finishing of textiles	344 652	297 106	252 351	340 901	312 611	251 041
Soft furnishings	61 719	59 538	73 088	59 966	60 529	71 123
Tents, tarpaulins, sails and other canvas goods and automotive textiles	9 128	10 035	8 791	10 393	9 839	9 967
Knitting mills	191 822	184 347	125 846	197 824	192 359	128 327
Clothing	974 847	929 970	990 661	1 011 780	962 872	1 031 399
Sawmilling from the round log	24 690	23 142	24 090	22 432	22 173	21 694
Board - laminated, plywood, particle, etc.	36 096	40 200	18 161	39 535	39 808	19 996
Carpentry and joinery and other sawmill products	34 941	31 260	23 114	37 006	31 008	24 408
Furniture (wood)	277 411	265 986	237 132	312 245	298 562	265 078
Pulp, paper and paperboard	213 975	196 261	157 346	215 978	222 258	158 969
Light and heavy packaging	345 948	349 537	309 836	347 522	346 871	310 276
Paints and varnishes	20 327	23 106	17 870	20 011	25 647	17 724
Basic iron and steel industries	3 030 849	3 022 233	2 467 421	3 129 391	3 047 219	2 538 263
Steel pipe and tube mills	417 998	412 562	291 762	417 027	387 508	291 774
Basic non-ferrous metal industries	1 161 566	1 016 471	664 330	1 135 563	1 033 952	651 916
General hardware, handtools and cutlery	45 421	43 504	31 023	43 933	44 237	29 902
Furniture (metal)	43 630	47 765	51 989	48 101	50 653	56 549
Structural metal products	1 447 464	1 401 551	1 294 749	1 395 997	1 393 078	1 250 097
Tinware	69 114	67 632	60 060	70 892	67 298	62 004
Cables and wire products	78 452	57 085	68 443	75 105	68 081	66 333
Headed and threaded articles	94 425	97 682	109 275	91 715	94 523	107 085
All other metal products	953 256	889 327	1 228 129	877 921	1 008 404	1 135 537
Electrical industrial machinery and apparatus	939 229	882 370	909 048	951 433	888 104	917 285
Radio, television and communication equipment	588 057	511 529	860 335	587 123	572 633	851 941
Electrical appliances and housewares	43 582	32 097	22 071	43 776	31 842	22 081
Insulated wire and cables	216 602	190 011	240 685	212 540	195 066	238 589
Dry and wet cell batteries	11 404	13 448	8 877	12 202	11 946	9 321
Other electrical goods	92 832	95 029	61 450	102 297	91 646	67 098
Motor vehicles	1 685 311	1 442 825	1 598 646	1 722 950	1 564 246	1 619 542
Motor vehicle parts	494 551	471 132	427 141	468 695	473 645	406 266

* Revised