

P3041.2

Manufacturing: Production and sales

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MANUFACTURING PRODUCTION INCREASES IN JANUARY

The seasonal adjusted manufacturing production increased substantially (+11,7%) in January 1997 following a relatively low figure for December 1996. The net effect for the three months up to January 1997 compared with the previous three months is an increase of 0,5% in the seasonally adjusted manufacturing production.

The main contributors to the increase of 0,5% in production were the metal products and basic iron and steel industries. 15 of the 28 manufacturing major groups reflected increases in production.

The seasonally adjusted value of sales of manufactured products for the last three months up to January 1997 increased by 4,5% (R3 770 million) compared with the preceding three months.

Although the total manufacturing production for 1996 is nearly on the same level as for 1995, prospects for some of the manufacturing groups have improved. 19 of the 30 selected groups showed increases in the value of unfilled orders from January 1996 to January 1997.

SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production indices	Sales
Actual				
Nov. 1996 - Jan. 1997	98,8	81 217,8	+2,0	+10,9
Nov. 1995 - Jan. 1996	96,9	73 218,8		
Seasonally adjusted				
Nov. 1996 - Jan. 1997	104,8	86 672,0	+0,5	+4,5
Aug. 1996 - Oct. 1996	104,3	82 902,3		

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 by 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. To make the time series comparable, published and unpublished information for 1988 and 1991 was obtained from Statistical offices of the former TBVC states and has been incorporated. Thereafter, 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 by 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	93,1
F	95,5	95,2	92,6	91,6	101,6	99,2	
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	92,5	92,2	100,9	104,2	110,8
F	96,2	95,9	93,4	92,6	103,2	101,0	
M	94,9	93,6	94,0	94,9	101,4	99,1	
A	102,7	95,1	91,5	93,7	101,7	105,0	
M	96,7	94,3	91,0	89,8	105,4	105,9	
J	95,4	91,7	94,1	94,8	104,1	102,9	
J	96,0	94,3	93,1	95,7	104,7	103,1	
A	95,8	86,1	93,4	95,1	103,6	105,5	
S	96,2	92,6	93,6	101,8	104,3	102,1	
O	95,3	94,7	93,0	98,4	102,6	105,2	
N	94,6	93,3	94,1	100,0	102,1	104,4	
D	94,9	95,3	95,7	99,1	101,9	99,2	

* Revised

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		
			January	December	January	January	December	January
			1997	* 1996	1997	1997	1996	1996
TOTAL	100,0	103,1	93,1	86,7	87,4	110,8	99,2	104,2
Food	12,1	98,0	87,0	89,9	86,9	100,8	89,2	100,7
Beverages	4,7	93,0	101,2	110,0	90,1	103,0	79,3	91,3
Tobacco products	0,5	83,1	71,3	37,6	66,4	85,9	82,8	79,7
Textiles	3,6	96,3	76,1	60,9	66,9*	105,5	92,1	92,8
Wearing apparel, excluding Footwear	3,0	102,0	65,6	67,9	65,9	106,9	89,6	108,0
Leather and leather product Footwear	0,4	107,5	88,2	90,4	73,8	120,2	121,1	100,6
Wood and wood products, excluding furniture	1,9	103,2	88,6	81,9	70,9	122,5	107,5	98,5
Furniture (wood)	1,6	105,9	61,8	74,0	58,9*	114,1	97,8	108,5
Paper and paper products	4,8	100,6	98,4	90,6	93,6	107,7	101,4	102,3
Printing and publishing	3,7	98,8	88,6	87,0	93,6	99,6	95,6	105,7
Industrial chemicals	5,5	109,1	102,5	106,3	98,3	119,7	113,3	114,9
Chemical products, excluding products of petroleum and coal	5,9	109,6	96,0	89,8	87,6	119,9	102,6	109,4
Products of petroleum and coal	6,5	141,9	167,3	145,2	149,3	156,0	146,1	139,1
Rubber products	1,6	89,9	70,1	63,7	68,6	99,6	74,9	97,5
Plastic products	2,6	115,3	87,8	80,9	81,3	117,8	104,0	108,6
Pottery	0,2	75,3	48,3	49,9	51,6	70,8	81,7	75,1
Glass and glass products	1,2	91,0	74,5	76,2	79,6	83,3	87,2	89,3
Other non-metallic mineral products	3,3	95,4	79,1	66,5	79,5	95,3	94,4	95,9
Basic iron and steel industries	6,6	90,9	93,7	84,2	90,5	96,6	91,6	93,9
Basic non-ferrous metal industries	2,1	176,2	187,2	168,0	137,9	198,3	181,6	145,7
Metal products, excluding machinery	7,2	99,2	85,6	82,1	80,5	102,7	111,2	96,7
Machinery and equipment	6,1	103,6	87,4	70,4	94,4	105,3	89,1	114,2
Electrical machinery	4,6	91,6	68,3	72,3	60,3	91,9	92,9	80,9
Motor vehicles, parts and accessories	6,4	101,6	86,0	59,4	76,0	110,7	86,4	98,1
Transport equipment, exclu- ding motor vehicles, parts and accessories	1,3	65,6	56,0	49,0	48,1	60,8	58,7	51,8
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	103,1	87,4	91,6	119,5	117,1	106,9
Other manufacturing industries	1,1	82,4	60,3	65,9	55,2	93,5	81,1	86,3

* Revised

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL

HISTORICAL TABLE
R1 000

Month	1991	1992	1993	1994	1995 *	1996 *	1997
ACTUAL VALUES							
J	13 708 350	14 272 233	14 998 362	15 912 227	18 654 432	21 104 943	24 443 452
F	16 199 300	17 283 659	18 333 144	19 357 694	23 634 084	25 317 581	
M	17 342 242	18 525 218	20 150 829	21 551 931	25 875 350	27 266 369	
A	16 772 148	16 505 479	17 254 205	18 651 788	22 250 759	25 341 831	
M	16 477 477	17 231 407	18 012 419	19 233 392	24 943 297	27 289 311	
J	16 958 515	17 538 365	19 268 744	21 525 205	25 392 989	27 320 585	
J	17 036 380	18 214 731	19 213 267	21 741 546	24 919 055	27 192 233	
A	17 675 490	17 005 339	19 995 824	21 413 529	26 311 789	28 372 544	
S	18 123 577	18 710 826	20 413 391	23 362 473	26 842 374	28 249 990	
O	18 608 654	20 155 870	21 183 241	24 565 955	28 463 011	31 797 858	
N	18 784 906	20 129 846	21 707 573	25 567 815	29 041 201	31 935 118	
D	14 972 366	16 227 436	17 499 456	20 152 607	23 072 637	24 839 236	
YEAR	202 659 405	211 800 409	228 030 455	253 036 162	299 400 978	326 027 599	
SEASONALLY ADJUSTED VALUES							
J	16 437 463	17 273 322	18 311 670	19 531 567	22 928 162	25 929 231	30 045 364
F	16 387 237	17 468 836	18 542 901	19 614 215	24 047 956	25 804 536	
M	16 290 844	17 346 750	18 787 701	20 030 775	24 018 430	25 299 567	
A	17 674 201	17 556 689	18 488 388	20 075 029	24 006 598	27 379 509	
M	16 878 435	17 654 912	18 482 368	19 769 005	25 673 263	28 091 471	
J	16 693 377	17 259 393	18 969 037	21 162 300	24 925 647	26 777 818	
J	17 006 573	18 133 867	19 087 365	21 587 606	24 755 160	27 017 956	
A	16 975 637	16 392 643	19 339 995	20 730 723	25 495 022	27 511 668	
S	17 105 599	17 677 133	19 317 237	22 132 809	25 483 430	26 830 027	
O	17 077 370	18 391 273	19 204 289	22 161 874	25 583 664	28 560 584	
N	16 929 240	18 068 065	19 414 081	22 792 976	25 821 621	28 370 664	
D	17 038 793	18 395 830	19 821 403	22 813 094	26 190 146	28 255 984	

* Revised

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values		
		January	December	January	January	December	January
		1996 *	1997	1996	1997	1996	1996
TOTAL	326 027 599	24 443 452	24 839 236	21 104 943	30 045 364	28 255 984	25 929 231
Food	47 647 576	3 692 297	3 951 999	3 250 325	4 284 115	3 861 246	3 771 594
Beverages	16 922 335	1 408 354	1 915 296	1 293 084	1 479 640	1 363 451	1 351 563
Tobacco products	3 230 569	275 473	153 748	212 812	297 840	271 768	231 928
Textiles	10 306 077	655 117	590 763	552 392*	949 195	898 537	798 284
Wearing apparel, excluding footwear	7 780 794	394 404	507 772	365 098	706 561	667 289	651 446
Leather and leather product	1 621 239	111 207	110 304	90 185	153 712	152 342	124 500
Footwear	2 272 902	114 437	132 872	97 457	218 433	194 464	187 343
Wood and wood products, excluding furniture	4 889 540	339 922	355 167	259 286	479 701	455 508	366 598
Furniture (wood)	4 833 812	238 671	340 474	209 305*	443 877	422 901	387 703
Paper and paper products	15 876 096	1 310 791	1 288 978	1 177 995	1 457 821	1 427 511	1 303 975
Printing and publishing	9 964 042	784 132	752 708	747 972	887 821	824 484	848 368
Industrial chemicals	17 688 081	1 416 759	1 481 779	1 213 258	1 621 170	1 605 327	1 391 561
Chemical products, excluding products of petroleum and coal	17 681 426	1 298 092	1 368 244	1 136 164	1 607 642	1 542 989	1 407 054
Products of petroleum and coal	18 506 325	1 724 646	1 831 988	1 279 741	1 876 461	1 848 537	1 386 929
Rubber products	3 782 802	257 834	317 480	212 939	369 783	359 971	304 854
Plastic products	8 637 682	576 142	560 578	503 065	768 061	700 473	667 921
Pottery	274 287	17 507	16 360	15 299	24 695	24 501	21 552
Glass and glass products	2 402 490	168 194	168 755	156 735	194 660	197 568	181 656
Other non-metallic mineral products	8 406 389	590 338	535 168	521 326	737 740	746 587	650 462
Basic iron and steel industries	20 328 876	1 643 448	1 512 862	1 658 103	1 714 629	1 694 790	1 731 699
Basic non-ferrous metal industries	10 443 990	849 246	904 947	648 726	973 719	972 789	736 397
Metal products, excluding machinery	21 201 067	1 624 854	1 420 812	1 263 934	1 985 238	1 901 508	1 544 129
Machinery and equipment	18 394 442	1 246 959	1 312 566	1 193 200	1 609 332	1 564 129	1 536 907
Electrical machinery	12 576 055	851 934	774 291	739 366	1 181 485	986 929	1 020 502
Motor vehicles, parts and accessories	33 906 970	2 415 161	2 085 114	1 921 551	3 226 229	3 013 169	2 567 154
Transport equipment, exclu- ding motor vehicles, parts and accessories	1 577 879	120 082	104 899	104 841	142 087	121 119	125 147
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 089 565	75 741	81 131	65 304	99 287	100 892	85 062
Other manufacturing industries	3 784 291	241 710	262 181	215 480	388 674	308 906	347 527

* Revised

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	January	December *	January	January	December	January
	1997	1996		1997	1996	1996
Spinning, weaving and finishing of textiles	326 451	292 511	282 276	335 757	306 597	290 759
Soft furnishings	60 422	54 470	75 884	61 104	63 917	76 757
Tents, tarpaulins, sails and other canvas goods and automotive textiles	10 035	10 254	11 394	9 871	11 720	11 332
Knitting mills	185 038	180 157	128 606	192 717	182 090	132 859
Clothing	941 088	891 697	1 012 818	967 656	979 951	1 037 781
Sawmilling from the round log	23 164	19 655	27 224	22 340	22 921	26 044
Board - laminated, plywood, particle, etc.	38 142	32 760	25 978	38 374	38 417	26 185
Carpentry and joinery and other sawmill products	31 745	33 249	24 456	31 568	37 867	24 219
Furniture (wood)	276 847	206 082	231 133	302 460	242 438	250 946
Pulp, paper and paperboard	188 268	215 143	139 114	214 203	244 613	158 424
Light and heavy packaging	335 950	337 144	329 032	334 244	329 844	327 372
Paints and varnishes	18 204	15 300	14 252	20 218	18 025	15 582
Basic iron and steel industries	3 021 767	2 995 517	2 512 742	3 038 542	2 985 749	2 518 671
Steel pipe and tube mills	412 471	407 047	296 394	381 940	377 273	273 984
Basic non-ferrous metal industries	784 814	804 772	654 771	803 529	827 877	665 829
General hardware, handtools and cutlery	31 796	26 557	27 361	32 549	30 478	27 838
Furniture (metal)	47 765	43 618	55 418	51 297	49 718	59 592
Structural metal products	1 392 942	1 452 302	1 304 478	1 391 880	1 434 511	1 304 105
Tinware	104 483	73 835	62 549	99 617	76 384	59 816
Cables and wire products	57 085	53 599	52 315	67 200	59 281	61 554
Headed and threaded articles	97 682	88 098	111 061	95 650	105 517	108 885
All other metal products	890 291	854 331	832 541	1 012 334	999 277	946 835
Electrical industrial machinery and apparatus	877 457	852 034	939 825	880 598	878 037	944 611
Radio, television and communication equipment	511 690	694 049	665 227	573 506	699 637	739 700
Electrical appliances and housewares	15 912	18 131	20 282	16 805	20 153	21 358
Insulated wire and cables	190 011	167 389	221 882	192 491	171 753	225 381
Dry and wet cell batteries	13 448	10 212	10 428	11 740	9 337	9 106
Other electrical goods	104 605	81 690	83 267	96 423	81 564	77 494
Motor vehicles	1 478 249	1 570 488	1 572 815	1 613 258	1 983 580	1 704 301
Motor vehicle parts	471 132	450 927	407 568	474 746	470 940	410 863

* Revised