

P3041.2

Manufacturing: Production and sales

June 1997

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MANUFACTURING PRODUCTION HIGHER THAN A YEAR AGO

Although manufacturing production is levelling off, the production for the second quarter of 1997 is 3,8% higher than for the corresponding quarter of 1996 and the production for the first six months of 1997 increased by 3,9% compared with the first six months of 1996. Furthermore, the seasonally adjusted manufacturing production for the first six months of 1997 increased by 3,4% compared with the last six months of 1996.

The main contributors to the increase of 3,4% in production were the basic metal products industries (contributing +0,6 of a percentage point), the chemical and petroleum products industries (+0,4 of a percentage point each) and machinery and electrical machinery industries (each contributing +0,3 of a percentage point). Higher production was reported in 19 of the 27 manufacturing major groups.

The seasonally adjusted sales of manufactured products increased by 5,2% (+R8 784,4 million) during the aforementioned period. The largest increases were reported by the basic metal products (+R1 422,2 million), petroleum products (+R866,7 million), chemical products (+R806,0 million) and electrical machinery industries (+R696,0 million).

SUMMARY - TOTAL MANUFACTURING

Period	Production indices	Sales	Percentage change of:	
	1990 = 100	R mill.	Production indices	Sales
Actual				
Apr. 1997 - Jun. 1997	106,4	88 455,8	+3,8	+10,2
Apr. 1996 - Jun. 1996	102,5	80 243,7		
Seasonally adjusted				
Apr. 1997 - Jun. 1997	108,1	90 288,3	+2,3	+3,5
Jan. 1997 - Mar. 1997	105,7	87 204,0		

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

* Revised

1/ Preliminary

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

BASE 1990 = 100

Manufacturing Major groups	Weights	Year	Actual indices			Seasonally adjusted indices			
			1996	June 2/	May	June	June	May	June
				1997	1996	1997	1996		
TOTAL	100,0	103,3	105,2	107,7	104,2	104,6	106,5	103,4	
Food	12,1	98,1	96,2	99,5	98,0	97,4	98,7	99,1	
Beverages	4,7	93,0	75,8	94,0	90,0	85,2	104,5	100,8	
Tobacco 1/									
Textiles	3,6	96,3	107,3	107,9	96,6	99,0	101,1	89,1	
Wearing apparel, excluding footwear	3,0	102,0	89,1	94,5	85,0	100,8	100,3	96,1	
Leather and leather product	0,4	107,5	100,3	127,7	110,4	100,5	119,2	110,5	
Footwear	1,1	70,8	65,8	66,6	63,2	71,9	71,1	68,6	
Wood and wood products, excluding furniture	1,9	105,1	110,9	113,7	101,8	113,3	111,1	103,6	
Furniture (wood)	1,6	105,7	96,7	109,0	86,7	100,9	107,2	89,8	
Paper and paper products	4,8	100,6	108,5	93,0	106,4	111,7	97,3	109,7	
Printing and publishing	3,7	98,8	94,1	97,4	93,9	95,2	98,1	94,4	
Industrial chemicals	5,5	108,3	97,2	107,4	112,5	94,9	112,3	110,0	
Chemical products, excluding products of petroleum and coal	5,9	109,6	107,2	121,9	113,1	104,8	119,9	110,2	
Products of petroleum and coal	6,5	141,0	155,3	157,3	139,4	153,4	154,9	137,4	
Rubber products	1,6	90,0	102,8	88,3	108,5	89,9	90,8	95,5	
Plastic products	2,6	115,5	110,2	109,8	112,0	111,4	112,0	113,3	
Pottery	0,2	75,3	77,8	73,3	79,3	68,2	70,4	69,5	
Glass and glass products	1,2	90,8	108,2	80,1	101,1	103,1	83,4	97,0	
Other non-metallic mineral products	3,3	95,4	98,8	98,6	98,8	93,6	95,8	93,2	
Basic iron and steel industries	6,6	90,9	100,4	103,8	94,3	96,0	99,4	89,5	
Basic non-ferrous metal industries	2,1	176,2	174,8	185,0	175,7	181,3	179,5	181,3	
Metal products, excluding machinery	7,2	102,0	113,4	112,4	102,0	110,1	109,4	98,5	
Machinery and equipment	6,1	103,4	111,4	101,4	103,2	106,7	103,3	99,2	
Electrical machinery	4,6	91,4	94,2	96,5	108,1	88,1	93,7	101,6	
Motor vehicles, parts and accessories	6,4	101,5	103,3	108,1	102,7	99,7	102,5	99,3	
Transport equipment, excluding motor vehicles, parts and accessories	1,3	66,6	63,4	70,3	65,7	65,0	69,5	67,0	
Professional and scientific measuring and controlling equipment and photographic and optical goods	0,4	108,5	117,3	115,1	118,3	113,1	112,2	115,0	
Other manufacturing industries	1,6	82,5	88,6	94,7	83,6	87,8	91,6	82,6	

* 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	24 568 651
F	16 298 782	17 422 994	18 454 588	19 465 588	23 862 092	25 527 653	28 884 064
M	17 446 046	18 689 225	20 286 764	21 662 457	26 092 304	27 397 457	28 988 184
A	16 880 966	16 626 592	17 363 545	18 752 009	22 371 322	25 426 693	29 367 428
M	16 587 264	17 357 010	18 124 591	19 353 973	25 093 463	27 418 609	29 604 921
J	17 062 195	17 666 778	19 397 258	21 658 849	25 540 276	27 398 400	29 483 407 1/
J	17 166 163	18 364 973	19 352 203	21 847 460	25 037 900	27 541 957	
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	28 620 355	
O	18 710 501	20 304 851	21 309 302	24 668 447	28 593 898	32 012 183	
N	18 912 402	20 289 550	21 847 848	25 682 617	29 173 002	32 084 675	
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	328 952 292	
SEASONALLY ADJUSTED VALUES							
J	16 555 833	17 425 031	18 459 702	19 704 273	23 239 465	26 430 068	30 498 532
F	16 498 671	17 625 938	18 686 624	19 754 503	24 285 807	26 015 206	29 456 205
M	16 392 398	17 516 481	18 968 821	20 260 151	24 425 110	25 699 354	27 249 301
A	17 802 163	17 700 719	18 623 412	20 194 275	24 097 466	27 380 916	31 602 276
M	16 931 707	17 646 960	18 355 946	19 522 660	25 169 215	27 378 010	29 485 053
J	16 806 589	17 403 637	19 141 046	21 399 456	25 224 901	27 086 996	29 200 945
J	17 035 898	18 238 157	19 215 256	21 714 195	24 946 132	27 468 506	
A	17 049 340	16 457 942	19 391 246	20 771 448	25 521 093	27 713 658	
S	17 253 861	17 838 567	19 476 185	22 248 912	25 633 885	27 180 322	
O	17 187 328	18 545 755	19 348 283	22 309 225	25 793 209	28 861 623	
N	17 058 359	18 237 308	19 574 792	22 958 085	26 026 170	28 594 533	
D	17 212 103	18 566 580	19 922 786	22 848 052	26 407 169	28 888 865	

* Revised

1/ Preliminary

TABLE 4 - VALUE OF SALES - MANUFACTURING MAJOR GROUPS

R1 000

Manufacturing Major groups	Year	Actual values			Seasonally adjusted values		
		1996	June 2/	May	June	1997	1996
			1997	1996	1996		
TOTAL	328 952 292	29 483 407	29 604 921	27 398 400	29 200 945	29 485 053	27 086 996
Food	47 757 843	4 036 022	4 045 418	3 898 428	4 127 706	4 127 361	3 978 433
Beverages	16 949 748	1 229 898	1 486 151	1 292 997	1 393 041	1 631 718	1 456 635
Tobacco 1/							
Textiles	10 296 516	1 033 478	1 043 713	898 259	948 865	972 283	823 719
Wearing apparel, excluding footwear	7 746 320	592 837	639 825	524 489	679 520	700 818	599 293
Leather and leather product	1 619 753	123 100	177 905	139 676	124 639	163 138	141 173
Footwear	2 270 142	178 287	188 659	152 984	206 527	202 918	175 918
Wood and wood products, excluding furniture	4 980 471	472 074	473 406	427 081	465 686	475 291	420 994
Furniture (wood)	4 868 067	415 242	434 272	356 091	428 681	439 287	365 839
Paper and paper products	15 841 443	1 466 261	1 305 813	1 335 238	1 492 911	1 387 902	1 364 029
Printing and publishing	9 966 977	881 348	885 721	769 675	893 187	886 134	776 523
Industrial chemicals	17 608 283	1 488 534	1 482 588	1 550 048	1 443 098	1 561 139	1 506 481
Chemical products, excluding products of petroleum and coal	17 763 120	1 684 938	1 651 909	1 477 419	1 645 802	1 648 809	1 438 899
Products of petroleum and coal	18 373 407	1 734 879	1 686 195	1 479 697	1 680 802	1 770 529	1 431 143
Rubber products	3 781 854	379 785	330 184	373 868	333 696	339 277	330 644
Plastic products	8 634 183	731 133	748 391	710 377	744 628	760 399	723 812
Pottery	274 287	27 270	24 240	25 550	23 136	23 969	21 756
Glass and glass products	2 384 394	241 357	176 081	218 669	237 991	195 937	216 909
Other non-metallic mineral products	8 401 910	792 738	789 346	714 035	742 907	758 301	666 782
Basic iron and steel industries	20 315 076	2 062 595	2 020 523	1 807 691	1 909 904	1 903 237	1 666 233
Basic non-ferrous metal industries	10 427 198	1 035 893	1 063 182	884 381	1 036 575	977 879	883 772
Metal products, excluding machinery	21 984 038	2 177 643	2 040 975	1 826 504	2 078 840	2 005 944	1 735 656
Machinery and equipment	18 446 461	1 589 621	1 546 004	1 487 146	1 588 294	1 618 813	1 486 612
Electrical machinery	12 446 071	1 137 172	1 192 583	1 072 204	1 091 426	1 178 025	1 030 226
Motor vehicles, parts and accessories	33 900 885	2 816 223	2 972 205	2 981 890	2 718 880	2 680 144	2 885 477
Transport equipment, excluding motor vehicles, parts and accessories	1 788 960	169 439	199 186	169 410	199 556	228 743	197 494
Professional and scientific measuring and controlling equipment and photographic and optical goods	1 089 565	112 201	106 588	98 004	104 148	104 405	91 929
Other manufacturing industries	9 035 320	873 439	893 858	726 589	864 623	872 102	716 303

* 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		
	June	May	June	June	May	June
	1997		1996	1997		1996
Spinning, weaving and finishing of textiles	322 880	306 603	260 003	321 317	314 900	257 591
Soft furnishings	75 301	66 604	82 849	70 702	70 868	77 978
Tents, tarpaulins, sails and other canvas goods and automotive textiles	8 327	9 785	9 015	8 103	9 558	8 680
Knitting mills	188 283	188 256	140 065	204 074	204 274	152 060
Clothing	1 045 394	1 061 262	1 008 687	1 021 065	999 233	985 134
Sawmilling from the round log	21 667	23 675	26 628	21 333	22 950	26 097
Board - laminated, plywood, particle, etc.	34 140	39 136	24 612	40 529	42 902	28 897
Carpentry and joinery and other sawmill products	32 170	30 782	32 965	29 691	31 349	30 371
Furniture (wood)	220 603	207 021	198 577	247 504	246 924	221 318
Pulp, paper and paperboard	185 451	189 105	187 450	190 559	184 809	191 589
Light and heavy packaging	330 734	348 159	329 149	350 914	361 005	347 432
Paints and varnishes	12 231	12 709	19 480	12 922	13 928	20 551
Basic iron and steel industries	3 158 047	3 121 971	2 711 091	3 100 694	3 072 584	2 672 848
Steel pipe and tube mills	369 975	417 308	361 812	365 595	396 670	355 566
Basic non-ferrous metal industries	1 070 978	1 075 703	649 727	1 045 204	1 072 457	632 067
General hardware, handtools and cutlery	35 593	36 583	38 354	32 132	33 635	34 967
Furniture (metal)	44 432	44 081	52 751	43 859	41 671	51 752
Structural metal products	1 572 509	1 615 098	1 281 199	1 644 317	1 620 415	1 335 867
Tinware	36 910	48 711	67 905	35 794	53 769	65 536
Cables, wire and springs	94 761	103 720	76 352	94 593	95 392	76 056
Headed and threaded articles	80 489	99 707	90 825	76 357	89 913	85 194
All other metal products	1 177 197	843 201	1 112 611	1 107 127	795 709	1 045 956
Electrical industrial machinery and apparatus	928 900	946 098	833 562	943 400	952 219	841 911
Radio, television and communication equipment	622 890	669 483	766 999	591 187	611 687	727 723
Electrical appliances and housewares	48 921	56 098	24 089	51 814	55 660	25 236
Insulated wire and cables	239 857	232 017	192 283	225 480	219 479	183 081
Dry and wet cell batteries	14 430	13 725	9 606	15 495	14 272	10 287
Other electrical goods	110 613	110 792	78 397	109 192	113 844	77 519
Motor vehicles	1 707 846	1 785 353	1 752 913	1 674 021	1 620 002	1 712 186
Motor vehicle parts	478 488	479 522	423 544	469 576	463 404	412 873

* Revised