

# P3041.2

## Manufacturing: Production and sales

February 1998  
Embargo: 13:00  
Date: 09 April 1998

### MANUFACTURING PRODUCTION SLIGHTLY HIGHER THAN A YEAR AGO

*Manufacturing production for the three months up to February 1998 is 0,7% higher than for the corresponding period of a year ago. Despite fluctuations, the total manufacturing production for the three months up to February 1998 shows an increase of 0,8% after seasonal adjustment compared with the previous three months. Higher production was reported in 17 of the 27 manufacturing divisions.*

The major contributors to the increase of 0,8% were the basic iron and steel products (0,4 of a percentage point), followed by the machinery (0,3 of a percentage point), and the petroleum and coal (0,2 of a percentage point) divisions. These increases were mainly counteracted by a sharp decrease of 12,4% (with a contribution of -0,8 of a percentage point recorded for the motor vehicles division, during the aforementioned period.

The total value of sales of manufactured products for the three months up to February 1998 shows an increase of 2,1% (+R1 866 million) after seasonal adjustment compared with the previous three months. The largest increase was recorded by the food division (3,5% or R485 million), followed by the machinery (6,4% or R315 million) and the basic iron and steel products (5,1% or R307 million) divisions.

SUMMARY - TOTAL MANUFACTURING

Period	Production indices		Sales		Percentage change of:	
	1995 = 100		R mill.		Production indices	Sales
Actual						
Dec. 1997 - Feb. 1998		92,7		82 676,8	+0,7	+3,5
Dec. 1996 - Feb. 1997		92,1		79 868,3		
Seasonally adjusted						
Dec. 1997 - Feb. 1998		103,7		92 308,8	+0,8	+2,1
Sept. 1997 - Nov. 1997		102,9		90 441,8		

### NOTES

1. This statistical release shows the indices of the physical volume of manufacturing production and the value of sales and unfilled orders, **after benchmarking**, according to manufacturing divisions. Furthermore, in accordance with international practice, the indices were recalculated on the basis of 1995=100. Both actual and seasonally adjusted figures are shown. **The former TBVC states are included.**

### 2. New weights for production indices

An updated weighting system for the production indices is being used (see table 2). The weighting factors for the combining of the production indices for the manufacturing divisions to calculate the total manufacturing index were calculated on the basis of the net output data obtained from the 1993 Manufacturing Census.

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.

### 3. Standard Industrial Classification

The industrial classification of this statistical release is based on the **Standard Industrial Classification of all Economic Activities (SIC)**, Fifth edition 1993. The manufacturing division classification of this edition differs in some cases from the manufacturing major group classification of the fourth edition that was used for this statistical release up to July 1997. The above-mentioned classification is obtainable from the CSS, free of charge.

Although the implementation of the new SIC had a minimal effect on the production and sales of most groups, two reclassifications of subgroups need to be mentioned, viz.

Metal furniture which was previously included in the major group Metal Products, is included in the division Furniture and

Knitted and crocheted fabrics and articles which was previously included in the major group Textiles is included in the division Wearing Apparel.

4. 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.

5. **The results of the 1991 and 1993 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 1993 census year covers the period 1 July 1992 to 30 June 1993 and therefore the benchmarking was done using the index of January 1993 as reference point).

6. 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.

7. Businesses in the former TBVC states are included in the survey as from January 1995. The 1991 and 1993 manufacturing censuses as well as this sample survey (before 1995) did not include information of the former TBVC states. Published and unpublished information was obtained from statistical offices of the former TBVC states and has been incorporated in the information before January 1995 to ensure a comparable time series. The sample data before January 1995 do not reflect the influence of the cyclic movement of the establishments in the former TBVC states.

8. subgroups, that were Production indices for the various manufacturing previously published in the were discontinued as **Bulletin of Statistics**, from January 1993. The production indices on a subgroup basis can be obtained through approximation by deflating the value of sales according to manufacturing subgroups (as published in Chapter 6 of the Bulletin of Statistics) by the production price indices for the relevant manufacturing subgroups (statistical release P0142.1, entitled **Production Price Index**).

9. 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 1990 to August 1997 was published in statistical releases P3041.3 (entitled **Manufacturing statistics: Indices of the physical volume of manufacturing production, Base: 1995=100, January 1990 to August 1997**) on 12 November 1997 and P3041.4 (entitled **Manufacturing statistics: Value of sales, January 1990 to July 1997**) on 6 November 1997.

TABLE 1

TABLE 1 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL  
HISTORICAL TABLE  
BASE 1995 = 100

Month	1992	1993	1994	1995	1996	1997	1998
ACTUAL INDICES							
J	77,2	75,7	75,1	80,4	83,9	90,1	89,9
F	92,3	90,8	88,8	97,0	96,6	101,9	100,4 1/
M	95,9	98,3	98,9	103,3	102,0	102,1	
A	87,0	84,2	86,5	90,6	95,5	104,6	
M	89,7	87,8	86,1	101,9	102,7	105,1	
J	90,0	93,1	93,5	101,1	101,4	104,3	
J	92,2	92,3	95,6	102,8	103,2	107,1	
A	86,5	94,4	95,7	104,8	105,5	106,2	
S	94,0	96,4	103,4	107,5	104,3	107,4	
O	100,5	100,7	105,4	112,1	114,4	117,4	
N	100,7	103,3	109,3	111,7	113,7	112,1	
D	81,4	83,3	85,3	86,8	84,4	87,9*	
YEAR	90,6	91,7	93,6	100,0	100,6	103,9	
SEASONALLY ADJUSTED INDICES							
J	92,3	90,9	90,2	96,2	99,7	106,3	105,7
F	93,2	92,1	90,3	99,2	99,1	104,8	103,4
M	91,6	94,1	95,0	99,5	98,6	99,0	
A	92,4	89,5	91,9	96,1	101,3	110,8	
M	91,7	89,2	86,9	102,1	102,4	104,4	
J	89,0	92,4	92,9	100,6	101,0	104,0	
J	91,4	91,1	93,9	100,7	101,0	104,7	
A	83,5	91,4	92,8	101,7	102,4	103,0	
S	89,3	91,5	98,1	102,2	99,3	102,4	
O	91,2	91,2	95,0	100,6	102,3	104,8	
N	89,7	92,2	97,9	100,3	102,5	101,4	
D	92,5	94,8	97,5	99,8	97,6	101,9	

\* Revised

1/ Preliminary

TABLE 2

TABLE 2 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - DIVISIONS

BASE 1995 = 100

Manufacturing Divisions	Weights	Year	Actual indices			Seasonally adjusted indices			
			1997	February	January	February	February	January	February
				1/					
				1998		1997		1998	
TOTAL	100,0	103,9*	100,4	89,9	101,9	103,4	105,7	104,8	
Food and food products	13,6	106,2	99,7	97,0	96,2	109,1	113,1	105,0	
Beverages	5,2	104,9*	99,2	108,9	92,0	112,1	111,3	103,7	
Textiles	3,3	101,5	101,1	71,4	102,4	99,4	101,8	100,4	
Wearing apparel	3,7	94,1	93,1	66,9	93,6	89,9	104,2	90,5	
Tanning and dressing of leather	0,4	103,0	113,2	90,9	120,6	107,2	122,5	114,2	
Footwear	1,1	83,9	86,0	52,5	80,2	87,9	92,2	81,9	
Wood and products of wood	1,8	111,2	108,1	82,6	109,6	107,7	107,8	109,3	
Paper and paper products	4,9	92,0	84,7	89,0	87,3	90,7	95,3	92,4	
Publishing and printing	3,9	99,5	90,0	91,5	98,6	93,0	99,6	101,7	
Coke and refined petroleum products	6,0	105,3	103,7	110,1	101,5	106,3	102,5	103,8	
Basic chemicals	4,4	108,1	100,9	97,0	105,7	105,4	103,3	110,4	
Other chemical products	7,0	107,7	108,6	89,2	107,9	109,7	107,7	109,3	
Rubber products	1,5	98,1	120,0	74,7	114,9	105,5	103,2	102,4	
Plastic products	2,9	91,8	95,6	71,1	99,7	90,1	91,6	94,3	
Glass and glass products	0,9	97,5	100,4	74,9	109,9	93,1	89,1	102,4	
Other non-metallic mineral products	3,3	98,3	93,0	82,7	97,7	97,1	99,7	101,9	
Basic iron and steel products	5,8	101,0	93,0	95,3	101,8	98,7	101,8	108,4	
Basic precious and non-ferrous metal products	1,9	143,4	133,1	133,2	133,0	147,2	139,7	146,5	
Fabricated metal products	6,6	109,9	114,3	89,6	111,3	111,0	109,2	108,5	
General and special purpose machinery and apparatus	6,1	110,3	107,1	89,0	106,6	110,0	113,5	109,1	
Electrical machinery and apparatus	3,2	100,9	101,0	83,2	100,1	103,2	107,9	102,0	
Radio, television and communication apparatus	1,2	102,1	106,2	88,5	96,4	109,7	113,8	98,9	
Professional equipment	0,5	95,7*	98,2	76,2	96,8	102,8	94,2	101,0	
Motor vehicles, trailers parts and accessories	6,5	93,6	84,1	73,1	102,6	81,7	91,8	99,8	
Other transport equipment	1,0	123,9*	127,2	122,3	123,1	135,9	126,0	130,8	
Furniture	1,8	108,8	101,2	80,7	98,5	105,7	147,0	103,0	
Other manufacturing industries	1,5	119,3*	104,3	85,3	120,5	105,0	115,0	121,4	

\* Revised

1/ Preliminary

TABLE 3

TABLE 3 - VALUE OF SALES - MANUFACTURING - TOTAL  
HISTORICAL TABLE  
R1 000

Month	1992	1993	1994	1995	1996	1997*	1998
ACTUAL VALUES							
J	14 467 037	15 266 173	16 169 989	18 939 693	21 416 829	24 845 998	25 643 762
F	17 510 739	18 609 956	19 656 081	24 029 003	25 710 681	29 192 253	29 350 386 1/
M	18 805 877	20 434 463	21 847 702	26 256 366	27 639 783	29 294 220	
A	16 763 639	17 572 052	18 978 165	22 525 020	25 705 818	29 787 754	
M	17 522 847	18 319 979	19 527 269	25 302 470	27 686 140	29 998 513	
J	17 807 581	19 559 198	21 839 174	25 722 122	27 642 844	29 961 086	
J	18 492 184	19 540 911	22 018 314	25 181 192	27 742 223	30 461 329	
A	17 278 219	20 333 383	21 700 239	26 595 046	28 926 216	30 724 981	
S	18 982 133	20 731 470	23 634 447	27 214 146	28 941 766	30 569 350	
O	20 485 866	21 503 872	24 884 237	28 775 075	32 316 524	34 978 211	
N	20 479 731	22 033 110	25 875 369	29 255 420	32 274 173	32 912 149	
D	16 508 727	17 800 395	20 422 869	23 589 466	25 830 019	27 682 685	
YEAR	215 104 580	231 704 962	256 553 855	303 385 019	331 833 016	360 408 529	
SEASONALLY ADJUSTED VALUES							
J	17 571 943	18 667 371	19 835 217	23 233 087	26 157 764	30 201 146	31 095 136
F	17 716 964	18 865 530	19 948 734	24 509 620	26 291 169	29 961 357	30 185 608
M	17 642 172	19 159 458	20 474 051	24 630 582	26 002 279	27 607 098	
A	17 926 755	18 838 426	20 369 979	24 144 837	27 547 151	31 874 531	
M	17 830 306	18 573 328	19 695 205	25 373 124	27 648 532	29 858 981	
J	17 609 131	19 341 441	21 598 988	25 436 004	27 361 823	29 686 620	
J	18 387 212	19 424 611	21 890 131	25 036 932	27 602 518	30 333 818	
A	16 604 132	19 603 508	20 973 623	25 751 765	28 041 560	29 801 738	
S	18 024 353	19 703 482	22 529 117	26 090 658	27 870 295	29 524 884	
O	18 619 400	19 485 278	22 478 730	25 900 740	29 032 231	31 373 042	
N	18 363 707	19 746 440	23 201 086	26 211 972	28 944 122	29 543 872	
D	18 654 232	20 101 883	22 995 607	26 508 822	28 961 792	31 028 030	

\* Revised

1/ Preliminary

TABLE 4

TABLE 4 - VALUE OF SALES - MANUFACTURING DIVISIONS

R1 000

Manufacturing Divisions	Year	Actual values			Seasonally adjusted values		
		February 1/	January	February	February	January	February
		1997*	1998		1997	1998	
TOTAL	360 408 529	29 350 386	25 643 762	29 192 253	30 185 608	31 095 136	29 961 357
Food and food products	54 392 183	4 414 447	4 495 314	4 310 764	4 654 395	5 180 290	4 537 362
Beverages	18 318 615	1 440 164	1 626 685	1 215 060	1 715 579	1 708 701	1 445 072
Textiles	10 067 939	824 852	573 881	822 604	818 657	820 769	813 342
Wearing apparel	9 920 349	803 945	544 260	803 263	799 242	918 715	798 602
Tanning and dressing of leather	1 826 328	156 605	117 165	172 247	151 158	159 694	166 038
Footwear	2 579 392	215 046	105 888	194 866	218 137	204 739	197 723
Wood and products of wood	6 075 424	491 305	378 028	490 079	497 574	528 122	496 243
Paper and paper products	17 420 490	1 404 062	1 247 337	1 375 285	1 404 574	1 381 756	1 367 185
Publishing and printing	10 280 351	807 559	742 582	820 213	823 640	841 741	834 898
Coke and refined petroleum products	20 393 083	1 690 919	1 641 153	1 771 683	1 678 933	1 730 416	1 765 464
Basic chemicals	16 925 153	1 384 400	1 159 411	1 499 957	1 362 186	1 399 814	1 478 650
Other chemical products	21 359 374	1 751 892	1 519 475	1 668 229	1 826 012	1 831 680	1 737 423
Rubber products	4 212 301	405 462	248 890	349 508	390 664	348 183	337 327
Plastic products	9 251 160	804 357	594 921	789 552	791 319	791 832	777 352
Glass and glass products	2 323 575	218 426	154 176	192 115	213 043	189 314	186 995
Other non-metallic mineral products	9 124 768	751 371	608 753	724 881	789 765	772 827	760 616
Basic iron and steel products	24 585 417	2 032 407	1 831 118	1 963 408	2 111 657	2 009 156	2 042 652
Basic precious and non-ferrous metal products	11 995 331	943 276	873 355	936 843	1 027 105	962 571	1 016 866
Fabricated metal products	22 219 713	1 674 272	1 486 926	1 799 689	1 697 482	1 887 807	1 820 382
General and special purpose machinery and apparatus	19 681 617	1 629 071	1 345 602	1 494 175	1 725 430	1 740 260	1 569 933
Electrical machinery and apparatus	10 831 511	875 229	674 442	870 429	900 043	928 029	892 539
Radio, television and communication apparatus	3 309 229	320 407	228 767	258 916	323 232	318 232	260 389
Professional equipment	1 159 640	100 130	84 452	93 850	105 413	108 362	98 534
Motor vehicles, trailers parts and accessories	33 834 583	2 697 518	2 207 594	2 978 730	2 612 844	2 805 416	2 883 888
Other transport equipment	2 264 223	155 437	102 867	258 351	127 989	138 809	216 902
Furniture	5 609 037	445 080	306 511	460 104	454 090	531 124	470 914
Other manufacturing industries	10 447 743	912 747	744 209	877 452	858 316	875 722	825 249

\* Revised

1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	February	January*	February	February	January	February
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	223 227	220 134	313 761	227 392	231 338	319 447
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	8 031	8 066	9 679	8 398	7 876	9 972
Other textile articles	82 314	72 157	80 412	82 620	76 558	80 239
Knitted and crocheted fabrics and articles	143 909	144 293	170 828	150 321	150 755	177 882
Wearing apparel	906 618	901 272	999 126	941 948	954 064	1 040 601
Sawmilling and preserving of timber	19 578	19 965	32 558	17 194	18 146	28 338
Veneer sheets, plywood, laminboard, etc.	21 660	55 273	34 122	24 399	55 133	38 307
Builders' carpentry and joinery	30 778	33 528	40 113	32 361	32 955	41 842
Pulp, paper and paperboard	215 721	216 334	206 386	227 314	242 549	215 283
Corrugated paper and paperboard and containers	309 612	282 207	322 860	315 349	286 631	328 006
Paints, varnishes and coatings	16 332	17 279	25 796	15 274	18 321	24 298
Basic iron and steel products	3 200 267	3 287 396	3 225 722	3 272 093	3 302 622	3 305 466
Steel pipe and tube mills	174 097	222 121	445 522	166 664	210 062	428 928
Basic precious and non-ferrous metal products	1 273 114	1 248 041	1 257 735	1 271 535	1 270 760	1 256 686
Metal structures, parts	1 171 875	1 563 150	1 491 714	1 192 874	1 595 836	1 509 518
Cutlery, hand tools and general hardware	25 978	28 778	43 703	26 360	29 329	44 145
Metal containers, e.g. cans and tins	56 012	57 817	71 606	55 268	56 560	71 158
Cables, wire products, springs	79 903	67 088	91 748	77 315	79 806	89 730
Metal fasteners	49 693	49 897	71 257	48 894	50 378	70 201
All other metal products	878 920	1 022 483	844 197	892 546	1 132 162	858 600
Domestic appliances	34 294	37 439	34 149	37 428	40 045	37 065
Electric motors, generators and transformers	136 149	187 469	199 310	160 032	196 799	230 828
Insulated wire and cables	236 655	209 932	258 640	224 909	221 917	249 774
Accumulators, primary cells and primary batteries	14 431	16 103	12 585	16 059	15 074	13 849
Television, radio and communication apparatus	955 795	973 857	756 580	984 446	1 074 931	772 694
Motor vehicles	1 377 494	1 314 750	1 458 302	1 446 030	1 393 047	1 518 884
Parts and accessories for motor vehicles	271 673	307 320	325 134	268 279	311 389	320 836
Furniture	222 635	195 118	232 976	254 666	214 820	264 737

\* Revised