

# P3041.2

## Manufacturing: Production and sales

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### MANUFACTURING PRODUCTION SHOWS A DECLINING TREND

*Manufacturing production for the last three months up to May 1998 shows a decrease of 2,5% after seasonal adjustment compared with the previous three months. Lower production was reported in 16 of the 27 manufacturing divisions.*

The major contributors to the decrease of 2,5% were the food (-0,7 of a percentage point), the clothing (-0,5 of a percentage point), the metal products (-0,4 of a percentage point), the machinery (-0,4 of a percentage point) and the textiles (-0,3 of a percentage point) divisions. However, production in the motor vehicles division increased by 0,9% over the same period.

The total value of sales of manufactured products for the last three months up to May 1998 shows a decrease of 2,2% (-R1 994 million) after seasonal adjustment compared with the previous three months. The largest decreases were recorded by the food (-R658 million) and basic non-ferrous metal products (-R412 million) divisions.

#### SUMMARY - TOTAL MANUFACTURING

Period				Production indices	Sales	Percentage change of:	
				1995 = 100	R mill.	Production indices	Sales
Actual							
Mar.	1998 -	May	1998	100,2	90 138,5	-3,7	+1,1
Mar.	1997 -	May	1997	104,0	89 169,2		
Seasonally adjusted							
Mar.	1998 -	May	1998	100,9	90 036,5	-2,5	-2,2
Dec.	1997 -	Feb.	1998	103,4	92 030,1		

### 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 and major groups. 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. 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. 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.
4. **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).

5. 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.

6. Production indices for the various manufacturing subgroups, that were previously published in the **Bulletin of Statistics**, were discontinued as 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**).

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 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	101,8	100,1
M	95,9	98,3	98,9	103,3	102,0	102,1	102,3
A	87,0	84,2	86,5	90,6	95,5	104,6	97,1
M	89,7	87,8	86,1	101,9	102,7	105,2	101,3
J	90,0	93,1	93,5	101,1	101,4	104,1	
J	92,2	92,3	95,6	102,8	103,2	107,0	
A	86,5	94,4	95,7	104,8	105,5	106,4	
S	94,0	96,4	103,4	107,5	104,3	107,8	
O	100,5	100,7	105,4	112,1	114,4	117,8	
N	100,7	103,3	109,3	111,7	113,7	112,1	
D	81,4	83,3	85,3	86,8	84,4	87,8	
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	92,0	90,3	99,1	99,0	104,4	102,7
M	91,8	94,4	95,4	100,2	99,4	100,0	100,5
A	92,3	89,4	91,8	96,0	100,8	110,0	102,0
M	91,5	89,1	86,7	101,9	102,0	104,1	100,1
J	89,0	92,4	92,9	100,5	101,0	103,8	
J	91,3	91,0	93,9	100,7	101,0	104,7	
A	83,5	91,4	92,8	101,6	102,4	103,2	
S	89,3	91,5	98,1	102,2	99,3	102,8	
O	91,2	91,1	95,0	100,6	102,3	105,2	
N	89,7	92,2	97,9	100,3	102,6	101,4	
D	92,6	94,9	97,5	99,8	97,6	101,8	

\* Revised

1/ Preliminary

TABLE 2

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

BASE 1995 = 100

Manufacturing Divisions and major groups	Weights	Year	Actual indices			Seasonally adjusted indices			
			1997	May	April	May	May	April	May
				1998		1997	1998		1997
				1998	1997	1998	1997		
TOTAL	100,0	103,9	101,3	97,1	105,2	100,1	102,0	104,1	
Food and food products	13,6	106,4	114,2	101,6	111,9	109,6	107,1	107,5	
Meat, fish, fruit etc.	3,9	120,2	131,1	117,2	121,7	130,4	124,7	121,4	
Dairy products	1,6	95,2	98,8	90,5	91,5	103,2	96,5	95,9	
Grain mill products	2,8	103,1	94,9	95,3	103,9	92,8	94,7	101,5	
Other food products	5,3	101,4	116,8	96,9	115,2	106,3	101,5	106,1	
Beverages	5,2	104,9	105,6	95,8	100,7	113,2	111,5	108,6	
Total textiles	3,3	101,5	96,1	85,8	105,9	92,2	86,3	101,7	
Textiles	2,0	102,0	95,7	87,7	109,2	89,6	89,2	102,6	
Other textile products	1,3	100,7	96,8	82,8	100,9	95,0	83,5	99,1	
Total Wearing apparel	3,7	93,7	81,1	89,7	89,4	83,2	87,6	91,9	
Knitted, crocheted articles	0,7	86,5	81,6	83,8	100,0	72,0	81,5	88,5	
Wearing apparel	3,0	95,2	81,0	91,0	87,1	85,8	90,9	92,5	
Tanning and dressing of leather	0,4	103,0	105,4	98,5	122,9	95,0	96,3	111,4	
Footwear	1,1	83,9	68,8	73,7	79,1	74,0	78,7	85,0	
Wood and products of wood	1,8	111,2	100,6	98,9	112,8	101,7	102,3	114,4	
Sawmilling and planing of wood	0,6	103,8	100,5	94,6	101,8	103,5	97,4	105,1	
Products of wood	1,1	115,2	100,6	101,2	118,7	99,1	102,7	117,2	
Paper and paper products	4,9	92,0	89,5	81,6	81,8	95,9	89,7	87,1	
Total publishing and printing	3,9	99,5	95,5	88,5	98,7	95,9	93,6	99,5	
Publishing	1,6	103,2	101,3	96,1	99,5	102,5	101,2	100,9	
Printing, recorded media	2,3	97,0	91,6	83,4	98,1	92,0	88,6	99,0	
Coke and refined petroleum products	6,1	105,3	110,9	107,4	112,2	107,1	105,2	108,4	
Basic chemicals	4,4	108,1	96,2	104,4	106,9	97,6	107,5	108,8	
Other chemical products	7,0	107,8	101,0	100,3	104,3	103,8	104,7	107,4	
Rubber products	1,5	98,1	98,1	97,8	94,9	101,5	101,5	97,9	
Plastic products	2,9	91,8	90,1	89,4	91,9	92,9	94,3	94,8	
Glass and glass products	1,0	97,5	87,9	82,9	88,6	90,9	90,5	92,0	
Other non-metallic mineral products	3,3	98,3	98,2	99,2	100,6	96,4	103,5	99,0	
Basic iron and steel products	5,8	100,6	93,4	95,1	112,4	88,6	100,4	106,9	
Basic precious and non-ferrous metal products	1,9	143,4	139,0	130,7	150,5	128,5	130,5	139,7	
Fabricated metal products	6,6	109,8	97,3	96,7	113,7	97,5	102,8	113,8	
Structural metal products	1,9	114,1	106,0	91,9	117,3	100,6	100,2	109,9	
Other fabricated metal product	4,7	108,1	93,7	98,6	112,2	92,9	103,7	111,4	
Total machinery and equipment	6,1	111,1	111,1	105,3	99,5	112,4	113,6	101,1	
General purpose machinery	2,5	117,6	125,3	117,1	112,5	122,7	121,6	111,0	
Special purpose machinery	3,1	106,5	98,3	97,1	85,5	111,7	110,2	97,0	
Household appliances	0,5	108,3	118,3	97,3	120,2	113,0	103,2	116,7	
Electrical machinery, apparatus	3,2	100,1	100,6	98,5	105,2	96,9	97,9	101,7	
Radio, television and communication apparatus	1,2	102,1	124,3	96,1	104,6	119,7	111,1	101,9	
Professional equipment	0,5	96,7	77,5	86,0	101,5	75,5	84,9	98,7	
Motor vehicles; trailers; parts and accessories	6,5	93,6	92,0	84,9	101,8	87,7	86,1	97,2	
Motor vehicles	3,5	93,2	87,2	76,9	102,4	79,8	80,4	94,2	
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	75,3	62,0	72,2	70,0	65,5	67,2	
Parts and accessories	2,5	98,7	102,3	101,0	107,3	95,8	100,6	101,1	
Other transport equipment	1,0	123,8	126,9	120,9	136,4	118,5	121,4	128,8	
Furniture	1,8	109,9	99,1	99,3	104,5	104,9	108,9	110,4	
Other manufacturing industries	1,5	119,6	102,6	99,9	127,0	99,0	103,7	123,6	

\* 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	15 289 474	16 190 806	18 963 753	21 441 268	24 874 918	25 574 332
F	17 510 739	18 637 234	19 682 445	24 056 113	25 739 801	29 224 250	29 212 785
M	18 805 877	20 466 292	21 877 579	26 286 553	27 670 929	29 325 290	31 355 965
A	16 763 639	17 593 274	19 002 582	22 548 829	25 731 169	29 816 494	29 141 666
M	17 522 847	18 342 033	19 549 435	25 327 786	27 715 015	30 027 450	29 640 863
J	17 807 581	19 583 980	21 864 295	25 747 976	27 671 131	29 991 134	
J	18 492 184	19 563 607	22 042 214	25 207 791	27 769 180	30 488 907	
A	17 278 219	20 356 178	21 726 863	26 620 654	28 953 114	30 751 563	
S	18 982 133	20 756 927	23 662 763	27 243 312	28 971 124	30 601 308	
O	20 485 866	21 528 390	24 911 403	28 807 347	32 347 573	35 010 429	
N	20 479 731	22 060 215	25 902 824	29 287 699	32 306 043	32 928 352	
D	16 508 727	17 825 696	20 445 713	23 614 454	25 855 070	27 701 574	
YEAR	215 104 580	232 003 300	256 858 922	303 712 267	332 171 417	360 741 669	
SEASONALLY ADJUSTED VALUES							
J	17 568 174	18 692 460	19 855 847	23 248 660	26 183 956	30 230 093	30 993 945
F	17 714 024	18 890 407	19 971 601	24 514 069	26 297 706	29 948 828	29 981 970
M	17 639 108	19 198 797	20 540 233	24 795 544	26 226 142	27 956 366	29 999 110
A	17 908 364	18 824 805	20 315 512	24 000 318	27 203 847	31 313 734	30 517 073
M	17 854 009	18 619 744	19 743 259	25 456 010	27 703 609	29 924 693	29 520 331
J	17 602 296	19 356 319	21 615 620	25 448 767	27 400 681	29 738 528	
J	18 379 205	19 440 580	21 915 209	25 072 179	27 670 441	30 415 414	
A	16 610 531	19 637 609	21 020 729	25 809 967	28 132 919	29 904 270	
S	18 024 224	19 728 426	22 565 731	26 141 404	27 953 751	29 620 041	
O	18 620 454	19 508 817	22 481 303	25 878 872	28 971 492	31 287 251	
N	18 365 802	19 773 047	23 230 383	26 264 856	29 013 891	29 596 680	
D	18 661 532	20 134 654	23 017 351	26 546 435	29 001 703	31 054 234	

\* Revised  
1/ Preliminary

TABLE 4

TABLE 4 - VALUE OF SALES - MANUFACTURING : DIVISIONS AND MAJOR GROUPS

R1 000

Manufacturing Divisions and major groups	Year	Actual values			Seasonally adjusted values		
		May	April	May	May	April	May
		1998			1997		
		1997			1998		
TOTAL	360 741 669	29 640 863	29 141 666	30 027 450	29 520 331	30 517 073	29 924 693
Food and food products	54 392 183	4 606 017	4 495 147	4 382 035	4 691 514	4 521 519	4 465 016
Meat, fish, fruit etc.	15 094 682	1 357 596	1 213 735	1 281 627	1 324 790	1 250 286	1 254 369
Dairy products	6 478 398	599 118	575 762	510 716	627 400	609 538	536 451
Grain mill products	15 092 500	1 242 162	1 234 434	1 285 449	1 219 427	1 222 016	1 263 906
Other food products	17 726 603	1 407 141	1 471 216	1 304 243	1 514 950	1 429 110	1 405 470
Beverages	18 318 615	1 569 514	1 565 411	1 437 485	1 724 556	1 776 568	1 586 302
Total textiles	10 132 037	830 911	765 535	948 262	766 990	788 412	879 572
Textiles	7 020 037	576 840	531 851	672 731	538 948	537 701	630 271
Other textile products	3 112 000	254 071	233 684	275 531	238 370	243 486	259 825
Total Wearing apparel	9 875 497	708 028	819 791	770 842	757 088	791 620	824 397
Knitted, crocheted articles	1 531 731	123 314	127 680	152 981	108 935	119 764	135 353
Wearing apparel	8 343 766	584 714	692 111	617 861	652 162	666 928	688 997
Tanning and dressing of leather	1 826 328	155 752	148 084	177 942	139 273	147 857	160 208
Footwear	2 579 392	181 279	176 880	204 186	197 735	196 165	222 352
Wood and products of wood	6 075 424	515 226	464 931	509 298	505 551	477 295	501 263
Sawmilling and planing of wood	1 760 126	151 202	139 556	141 807	151 774	146 119	143 048
Products of wood	4 315 298	364 024	325 375	367 491	351 868	335 511	356 720
Paper and paper products	17 420 490	1 461 438	1 254 297	1 335 163	1 542 024	1 364 912	1 403 193
Total publishing and printing	10 264 567	865 334	824 290	846 717	861 708	862 105	845 538
Publishing	3 977 552	348 010	331 372	322 035	349 539	342 967	324 216
Printing, recorded media	6 287 015	517 324	492 918	524 682	515 285	524 852	525 160
Coke and refined petroleum products	20 392 769	1 644 387	1 685 257	1 695 407	1 719 490	1 696 758	1 770 622
Basic chemicals	16 925 153	1 234 788	1 296 679	1 360 187	1 281 854	1 370 726	1 416 204
Other chemical products	21 742 042	1 798 168	1 754 349	1 783 849	1 813 847	1 833 389	1 801 867
Rubber products	4 212 301	373 958	380 936	342 695	385 611	377 996	353 491
Plastic products	9 251 160	769 494	765 979	767 203	780 360	798 689	779 009
Glass and glass products	2 323 575	174 240	183 696	167 352	197 322	200 437	189 055
Other non-metallic mineral products	9 124 768	767 116	761 638	773 297	744 747	803 981	752 362
Basic iron and steel products	24 585 417	2 087 586	1 991 157	2 237 297	1 948 098	2 038 812	2 088 817
Basic precious and non-ferrous metal products	11 995 331	903 151	886 042	1 100 779	816 834	913 078	999 879
Fabricated metal products	22 219 713	1 622 301	1 634 218	1 815 463	1 619 528	1 701 416	1 803 554
Structural metal products	8 477 413	595 013	604 616	664 340	586 727	630 609	647 130
Other fabricated metal product	13 742 300	1 027 288	1 029 602	1 151 123	1 040 659	1 100 269	1 166 338
Total machinery and equipment	19 681 617	1 651 283	1 773 914	1 514 461	1 732 152	1 870 150	1 592 427
General purpose machinery	8 172 334	743 828	791 155	614 069	777 503	864 553	643 615
Special purpose machinery	9 582 641	736 044	844 221	715 343	764 691	932 623	745 798
Household appliances	1 926 642	171 411	138 538	185 049	159 146	146 206	175 116
Electrical machinery, apparatus	10 831 511	961 253	905 964	968 129	889 737	908 741	899 524
Radio, television and communication apparatus	3 309 229	358 189	277 972	248 961	408 421	330 833	286 467
Professional equipment	1 159 640	78 621	83 115	103 342	77 171	83 752	101 613
Motor vehicles; trailers; parts and accessories	33 781 907	2 953 212	2 828 019	2 985 346	2 806 667	3 033 526	2 835 335
Motor vehicles	24 362 934	2 096 197	2 061 802	2 115 319	2 002 019	2 244 779	2 016 242
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	151 956	133 406	165 532	134 692	123 741	147 894
Parts and accessories	7 683 873	705 059	632 811	704 495	653 761	648 715	656 734
Other transport equipment	2 264 223	125 603	169 113	194 847	144 294	234 530	224 858
Furniture	5 609 037	455 574	436 611	486 749	456 159	471 085	488 486
Other manufacturing industries	10 447 743	788 440	812 641	870 156	787 484	898 696	869 328

\* Revised

1/ 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
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	224 478	226 571	280 843	227 615	229 749	284 191
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	12 710	13 517	10 380	13 092	13 368	10 555
Other textile articles	91 982	84 929	88 974	94 641	88 181	92 179
Knitted and crocheted fabrics and articles	132 542	132 399	166 318	139 311	136 050	175 755
Wearing apparel	1 019 339	923 352	1 080 359	944 879	908 105	1 004 023
Sawmilling and preserving of timber	18 111	18 645	23 110	18 114	18 781	23 104
Veneer sheets, plywood, laminboard, etc.	17 047	21 614	37 879	17 141	20 285	38 429
Builders' carpentry and joinery	33 920	30 711	34 213	34 540	31 439	34 831
Pulp, paper and paperboard	241 097	272 241	192 926	251 457	286 085	199 808
Corrugated paper and paperboard and containers	319 701	305 172	330 965	328 110	325 843	340 090
Paints, varnishes and coatings	12 632	17 538	16 318	14 438	16 397	18 678
Basic iron and steel products	3 055 454	3 119 415	3 342 380	2 989 830	3 087 607	3 273 657
Steel pipe and tube mills	134 892	153 919	434 034	134 031	165 461	427 157
Basic precious and non-ferrous metal products	1 199 781	1 229 397	1 198 862	1 225 720	1 275 740	1 223 212
Metal structures, parts	1 675 927	1 692 996	1 695 222	1 661 389	1 680 931	1 681 854
Cutlery, hand tools and general hardware	22 876	22 778	35 135	21 898	23 160	33 664
Metal containers, e.g. cans and tins	53 640	50 120	51 063	57 241	51 862	54 762
Cables, wire products, springs	72 447	81 148	99 800	66 799	78 004	92 155
Metal fasteners	39 868	43 753	75 243	36 253	38 811	67 816
All other metal products	527 576	535 269	752 341	509 904	541 641	721 474
Domestic appliances	33 793	30 878	43 957	30 873	28 275	40 476
Electric motors, generators and transformers	302 675	285 222	225 985	331 487	318 791	247 155
Insulated wire and cables	224 842	225 846	261 542	216 249	224 337	249 837
Accumulators, primary cells and primary batteries	16 346	14 918	15 145	16 943	15 538	15 688
Television, radio and communication apparatus	611 180	586 440	932 559	571 362	594 010	868 798
Motor vehicles	1 349 140	1 397 221	1 241 764	1 194 279	1 138 956	1 098 416
Parts and accessories for motor vehicles	277 906	279 489	341 857	266 856	271 243	327 512
Furniture	187 713	208 833	217 016	227 666	232 525	261 033

\* Revised