

P3041.2

Manufacturing: Production and sales

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MANUFACTURING PRODUCTION CONTINUES TO SHOW A DECLINING TREND

Manufacturing production for the three months up to June 1998 showed a decrease of 1,8% after seasonal adjustment compared with the previous three months. Lower production was reported by 19 of the 27 manufacturing divisions.

The major contributors to the decrease of 1,8% were the clothing (-0,5 of a percentage point), the basic chemicals (-0,4 of a percentage point), the metal products (-0,3 of a percentage point) and the machinery (-0,3 of a percentage point) divisions. However, production in the food division increased by 0,3 of a percentage point.

The total value of sales of manufactured products for the three months up to June 1998 showed a decrease of 0,2% (-R219 million) after seasonal adjustment compared with the previous three months. The largest decrease was recorded by the basic chemicals division (-R214 million).

SUMMARY - TOTAL MANUFACTURING

Period				Production indices 1995 = 100	Sales R mill.	Percentage change of:	
						Production indices	Sales
Actual							
Apr.	1998 -	Jun.	1998	100,2	89 504,0	-4,3	-0,2
Apr.	1997 -	Jun.	1997	104,7	89 727,0		
Seasonally adjusted							
Apr.	1998 -	Jun.	1998	101,3	90 618,9	-1,8	-0,2
Jan.	1998 -	Mar.	1998	103,2	90 838,1		

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	75,6	75,4	79,5	84,0	90,0	89,5*
F	92,3	90,6	89,6	97,0	96,6	101,2	100,8*
M	95,9	98,1	99,2	103,4	101,9	102,0	102,4
A	87,0	84,1	86,5	90,6	95,3	104,8	97,1
M	89,7	87,6	86,4	101,3	102,7	105,3	101,0
J	90,0	93,0	93,7	102,0	101,4	104,1	102,4 1/
J	92,2	92,2	95,9	102,8	103,4	106,9	
A	86,5	94,3	96,2	104,9	105,5	106,5	
S	94,0	96,2	103,6	107,5	104,2	107,8	
O	100,5	100,5	106,1	112,1	114,4	118,0	
N	100,7	103,0	109,6	111,9	113,8	112,3	
D	81,4	83,3	86,0	86,8	84,8	87,8	
YEAR	90,6	91,5	94,0	100,0	100,7	103,9	
SEASONALLY ADJUSTED INDICES							
J	92,3	90,8	90,6	95,2	100,0	106,5	105,5
F	93,2	91,8	91,1	99,1	99,0	103,9	103,5
M	91,9	94,3	95,7	100,4	99,4	100,1	100,7
A	92,4	89,4	92,0	96,2	100,9	110,5	102,3
M	91,6	89,0	87,1	101,5	102,2	104,4	100,0
J	89,0	92,2	93,0	101,3	100,5	103,2	101,6
J	91,3	90,9	94,2	100,7	101,2	104,5	
A	83,4	91,2	93,2	101,6	102,2	103,1	
S	89,3	91,3	98,3	102,2	99,3	102,8	
O	91,2	90,9	95,6	100,5	102,2	105,2	
N	89,8	91,9	98,1	100,5	102,6	101,5	
D	92,3	94,6	98,1	99,6	98,0	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 *	June	May	June	June	May	June
				1998		1997	1998		1997
TOTAL	100,0	103,9	102,4	101,0	104,1	101,6	100,0	103,2	
Food and food products	13,6	106,4	108,1	114,5	106,9	107,8	109,7	106,8	
Meat, fish, fruit etc.	3,9	120,2	111,7	128,3	110,0	117,9	127,5	115,4	
Dairy products	1,6	95,2	95,9	98,2	79,3	107,5	103,8	88,5	
Grain mill products	2,8	103,1	99,0	98,6	101,5	99,9	96,2	102,2	
Other food products	5,3	101,4	114,1	117,8	115,9	103,7	107,2	106,8	
Beverages	5,2	104,9	89,4	104,2	89,4	106,2	111,4	106,2	
Total textiles	3,3	102,6	93,6	98,9	107,4	89,2	92,3	101,9	
Textiles	2,0	102,0	90,4	94,5	106,7	85,7	88,2	100,6	
Other textile products	1,3	103,7	98,5	105,5	108,4	97,5	99,8	106,7	
Total Wearing apparel	3,7	93,7	72,1	77,8	86,3	77,4	80,0	92,3	
Knitted, crocheted articles	0,7	86,5	71,9	84,0	95,3	67,0	73,7	88,2	
Wearing apparel	3,0	95,2	72,1	76,5	84,3	80,1	81,4	93,4	
Tanning and dressing of leather	0,4	103,0	103,8	106,9	81,2	104,2	97,9	81,6	
Footwear	1,1	83,9	69,7	67,9	77,2	75,1	73,3	83,0	
Wood and products of wood	1,8	111,2	106,0	102,8	112,8	105,8	103,5	112,2	
Sawmilling and planing of wood	0,6	103,8	108,9	97,4	104,5	106,5	101,3	102,2	
Products of wood	1,1	115,2	104,5	105,8	117,3	105,0	103,3	117,3	
Paper and paper products	4,9	92,0	102,0	89,9	95,4	98,3	96,8	92,7	
Total publishing and printing	3,9	99,5	93,8	94,8	97,4	96,5	95,6	99,9	
Publishing	1,6	103,2	106,5	99,0	107,4	104,3	101,6	105,4	
Printing, recorded media	2,3	97,0	85,2	91,9	90,6	89,2	91,8	94,4	
Coke and refined petroleum products	6,1	105,3	105,5	105,9	110,6	103,3	104,0	108,3	
Basic chemicals	4,4	108,0	99,4	99,9	103,9	99,5	102,5	103,8	
Other chemical products	7,1	106,9	99,0	102,2	108,6	97,9	105,3	107,0	
Rubber products	1,5	98,1	111,2	98,4	110,1	97,2	101,1	96,3	
Plastic products	2,9	91,8	88,7	89,1	92,9	89,6	91,5	93,9	
Glass and glass products	1,0	97,5	104,0	83,9	113,2	92,2	88,2	101,9	
Other non-metallic mineral products	3,3	98,3	102,0	96,1	105,3	96,4	94,2	99,1	
Basic iron and steel products	5,8	100,6	118,8	92,6	110,4	109,7	88,2	102,2	
Basic precious and non-ferrous metal products	1,9	143,4	143,3	139,0	130,6	146,9	130,9	134,1	
Fabricated metal products	6,6	109,8	105,4	101,8	110,0	103,9	101,1	107,9	
Structural metal products	1,9	114,1	126,8	114,9	126,1	112,1	107,9	112,4	
Other fabricated metal product	4,7	108,1	96,7	96,4	103,4	99,9	96,3	105,9	
Total machinery and equipment	6,1	111,1	106,3	105,2	108,9	106,9	108,3	109,1	
General purpose machinery	2,5	117,6	123,4	125,3	125,4	119,5	122,3	121,5	
Special purpose machinery	3,1	106,5	92,6	86,7	96,0	96,8	100,3	99,6	
Household appliances	0,5	108,3	105,2	118,3	105,1	110,9	113,3	109,6	
Electrical machinery, apparatus	3,2	100,1	106,9	100,0	101,6	99,7	96,9	94,7	
Radio, television and communication apparatus	1,2	102,1	131,5	134,3	90,3	124,8	127,8	85,9	
Professional equipment	0,5	96,7	79,1	77,5	101,3	76,0	75,3	98,1	
Motor vehicles; trailers; parts and accessories	6,5	93,6	93,2	89,3	97,3	89,9	85,8	93,6	
Motor vehicles	3,5	93,2	83,7	83,2	101,5	79,0	77,3	95,3	
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	70,2	75,3	83,9	65,6	68,3	78,2	
Parts and accessories	2,5	98,7	111,7	101,0	94,1	107,5	95,7	90,4	
Other transport equipment	1,0	123,8	124,6	126,9	123,1	127,2	120,0	125,1	
Furniture	1,8	109,9	110,4	97,5	107,2	113,0	103,7	109,6	
Other manufacturing industries	1,5	119,6	109,7	109,0	115,8	109,2	105,1	114,9	

* 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	21 411 732	24 849 704	25 549 786*
F	17 510 739	18 637 234	19 682 445	24 056 113	25 702 503	29 192 236	29 197 396*
M	18 805 877	20 466 292	21 877 579	26 286 553	27 633 591	29 297 160	31 369 091*
A	16 763 639	17 593 274	19 002 582	22 548 829	25 696 635	29 786 258	29 088 693*
M	17 522 847	18 342 033	19 549 435	25 327 786	27 673 577	30 002 442	29 723 959
J	17 807 581	19 583 980	21 864 295	25 747 976	27 630 900	29 938 279	30 691 347 1/
J	18 492 184	19 563 607	22 042 214	25 174 458	27 731 523	30 469 017	
A	17 278 219	20 356 178	21 726 863	26 587 938	28 916 795	30 744 099	
S	18 982 133	20 756 927	23 662 763	27 205 734	28 929 999	30 621 808	
O	20 485 866	21 528 390	24 911 403	28 769 011	32 317 508	35 006 368	
N	20 479 731	22 060 215	25 902 824	29 255 317	32 284 042	32 919 088	
D	16 508 727	17 825 696	20 445 713	23 584 153	25 833 237	27 683 708	
YEAR	215 104 580	232 003 300	256 858 922	303 507 621	331 762 042	360 510 167	
SEASONALLY ADJUSTED VALUES							
J	17 500 055	18 614 580	19 841 991	23 220 859	26 112 769	30 148 702	30 907 549
F	17 644 198	18 807 684	19 961 579	24 493 857	26 237 967	29 885 407	29 932 068
M	17 567 897	19 116 239	20 529 744	24 780 864	26 180 946	27 918 842	29 998 487
A	17 835 184	18 754 831	20 317 024	24 015 535	27 212 279	31 354 404	30 538 012
M	17 754 679	18 509 958	19 705 571	25 429 291	27 669 546	29 942 613	29 654 592
J	17 542 939	19 296 836	21 634 564	25 480 145	27 324 333	29 629 074	30 426 325
J	18 323 450	19 375 123	21 924 118	25 042 853	27 639 765	30 402 550	
A	16 590 677	19 632 970	21 085 903	25 849 689	28 158 089	29 947 403	
S	17 956 999	19 655 094	22 558 225	26 086 713	27 891 072	29 611 610	
O	18 556 917	19 433 590	22 485 166	25 858 866	28 984 539	31 331 449	
N	18 298 220	19 696 296	23 226 945	26 230 655	28 998 288	29 592 254	
D	18 592 631	20 061 571	22 997 475	26 475 872	28 921 976	30 964 062	

* Revised

1/ Preliminary

TABLE 4

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

R1 000

Manufacturing Divisions and major groups	Year 1997 *	Actual values			Seasonally adjusted values		
		June	May	June	June	May	June
		1998			1997		
		1998			1997		
TOTAL	360 510 167	30 691 347	29 723 959	29 938 279	30 426 325	29 654 592	29 629 074
Food and food products	54 392 183	4 518 867	4 586 210	4 402 552	4 632 085	4 671 321	4 512 143
Meat, fish, fruit etc.	15 094 682	1 193 250	1 348 695	1 218 121	1 223 716	1 323 999	1 247 884
Dairy products	6 478 398	570 903	598 427	493 095	639 555	627 900	549 865
Grain mill products	15 092 500	1 262 006	1 216 665	1 243 594	1 249 399	1 202 640	1 230 400
Other food products	17 726 603	1 492 708	1 422 423	1 447 742	1 485 784	1 525 422	1 448 783
Beverages	18 318 615	1 355 949	1 533 547	1 217 296	1 586 552	1 667 937	1 415 463
Total textiles	10 074 926	820 293	841 205	891 966	773 315	774 886	836 701
Textiles	7 020 037	566 572	576 840	625 700	529 435	537 217	581 379
Other textile products	3 054 889	253 721	264 365	266 266	241 782	247 114	252 751
Total Wearing apparel	9 875 497	681 436	705 216	715 047	767 300	754 198	799 214
Knitted, crocheted articles	1 531 731	124 418	131 567	138 577	115 262	114 596	127 506
Wearing apparel	8 343 766	557 018	573 649	576 470	656 142	642 939	674 181
Tanning and dressing of leather	1 826 328	141 222	157 963	123 230	142 548	140 920	124 169
Footwear	2 579 392	185 153	178 976	193 544	211 297	196 462	220 273
Wood and products of wood	6 075 424	506 047	514 857	513 151	495 319	505 934	501 875
Sawmilling and planing of wood	1 760 126	159 563	148 642	145 989	155 988	150 658	142 893
Products of wood	4 315 298	346 484	366 215	367 162	338 352	352 731	357 862
Paper and paper products	17 420 490	1 607 806	1 447 008	1 503 351	1 580 380	1 542 543	1 488 557
Total publishing and printing	10 264 567	862 207	843 089	847 419	886 197	847 629	868 955
Publishing	3 977 552	367 657	339 918	345 192	358 767	345 914	337 833
Printing, recorded media	6 287 015	494 550	503 171	502 227	515 021	502 331	521 138
Coke and refined petroleum products	20 392 769	1 677 413	1 644 387	1 734 849	1 663 888	1 713 896	1 708 940
Basic chemicals	15 313 914	1 308 433	1 150 605	1 212 930	1 228 057	1 196 689	1 140 616
Other chemical products	23 082 403	1 886 914	1 911 581	1 911 881	1 887 864	1 926 543	1 906 642
Rubber products	4 212 301	387 075	373 958	395 070	355 272	381 648	362 360
Plastic products	9 251 160	778 391	777 903	755 485	790 240	786 352	766 726
Glass and glass products	2 323 575	188 549	165 435	213 901	186 511	188 247	213 357
Other non-metallic mineral products	9 166 348	800 741	765 666	811 954	759 318	749 422	766 303
Basic iron and steel products	24 585 417	2 550 408	2 095 921	2 360 671	2 266 702	1 956 678	2 101 396
Basic precious and non-ferrous metal products	11 995 331	993 584	903 151	1 072 526	952 934	830 761	1 037 632
Fabricated metal products	22 217 509	1 895 746	1 666 692	1 937 077	1 782 090	1 664 509	1 819 812
Structural metal products	8 475 209	822 077	617 448	827 082	697 989	611 625	709 172
Other fabricated metal product	13 742 300	1 073 669	1 049 244	1 109 995	1 048 831	1 052 430	1 079 253
Total machinery and equipment	19 681 617	1 690 318	1 646 194	1 561 012	1 750 902	1 723 805	1 600 763
General purpose machinery	8 172 334	781 297	743 828	673 227	775 798	778 612	665 383
Special purpose machinery	9 582 641	747 188	730 955	731 096	801 819	762 125	772 779
Household appliances	1 926 642	161 833	171 411	156 689	164 962	160 514	158 696
Electrical machinery, apparatus	10 831 511	945 808	963 595	930 521	900 062	894 712	883 841
Radio, television and communication apparatus	3 309 229	389 053	358 189	243 849	386 173	400 371	241 711
Professional equipment	1 159 640	80 291	78 621	104 162	74 591	76 893	97 102
Motor vehicles; trailers; parts and accessories	33 839 018	2 917 051	3 011 901	2 821 693	2 841 959	2 835 093	2 752 945
Motor vehicles	24 362 934	2 032 430	2 160 178	2 046 021	1 978 340	2 024 600	1 997 193
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	163 398	143 200	148 840	159 958	129 904	144 839
Parts and accessories	7 740 984	721 223	708 523	626 832	705 835	661 218	612 825
Other transport equipment	2 264 223	186 047	129 511	156 756	199 699	154 795	170 498
Furniture	5 609 037	448 796	458 078	468 293	471 298	457 712	488 456
Other manufacturing industries	10 447 743	887 749	814 500	838 093	891 099	810 644	837 706

* Revised

1/ Preliminary

TABLE 5

TABLE 5 - VALUE OF UNFILED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	June	May	June	June	May	June
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	219 110	226 056	295 256	219 632	228 318	295 078
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	11 737	12 710	8 655	12 696	12 867	9 080
Other textile articles	98 592	87 929	100 681	90 685	91 000	92 838
Knitted and crocheted fabrics and articles	115 632	132 542	165 903	123 303	138 330	177 421
Wearing apparel	913 573	1 019 339	1 052 736	897 474	944 278	1 032 649
Sawmilling and preserving of timber	17 622	18 111	21 511	18 193	18 151	22 178
Veneer sheets, plywood, laminboard, etc.	16 891	17 047	33 122	18 918	17 782	36 958
Builders' carpentry and joinery	38 210	33 920	35 695	36 197	34 884	33 600
Pulp, paper and paperboard	235 524	232 113	189 198	260 391	240 193	208 010
Corrugated paper and paperboard and containers	307 346	319 701	312 142	322 720	325 410	327 707
Paints, varnishes and coatings	15 445	13 733	13 805	16 964	15 592	15 112
Basic iron and steel products	2 937 234	3 055 454	3 356 934	2 889 142	2 990 474	3 300 782
Steel pipe and tube mills	130 849	134 892	384 420	125 847	134 954	370 149
Basic precious and non-ferrous metal products	1 231 650	1 199 781	1 180 845	1 222 108	1 224 222	1 165 056
Metal structures, parts	1 576 555	1 656 315	1 654 906	1 640 011	1 641 090	1 720 837
Cutlery, hand tools and general hardware	28 855	27 331	32 407	27 176	26 132	30 377
Metal containers, e.g. cans and tins	48 461	53 640	39 116	49 406	56 703	39 550
Cables, wire products, springs	81 128	72 447	89 914	78 599	66 181	87 129
Metal fasteners	44 961	40 363	60 741	40 147	37 159	54 054
All other metal products	536 114	550 888	1 048 707	500 338	531 460	978 093
Domestic appliances	36 638	33 793	38 333	36 817	31 289	38 692
Electric motors, generators and transformers	350 676	302 675	225 459	344 662	327 514	221 016
Insulated wire and cables	200 593	224 842	274 358	194 071	214 126	264 293
Accumulators, primary cells and primary batteries	15 620	16 346	15 923	16 552	16 850	16 921
Television, radio and communication apparatus	652 571	625 744	969 386	603 479	590 295	895 903
Motor vehicles	1 406 967	1 349 140	1 167 867	1 359 024	1 217 138	1 132 982
Parts and accessories for motor vehicles	293 463	297 605	345 761	280 478	283 309	330 946
Furniture	174 677	187 713	280 792	187 702	224 572	301 344

* Revised