

P3041.2

Manufacturing: production and sales

July 1998

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MANUFACTURING PRODUCTION CONTINUES TO DECREASE

Manufacturing production has continued to show a declining trend since the middle of 1997. Production for the three months up to July 1998 showed a decrease of 1,4% after seasonal adjustment compared with the previous three months.

Decreases in production were reported by 17 of the 27 major divisions. The major contributors to the decrease of 1,4% were the machinery (-0,5 of a percentage point), the basic chemicals (-0,4 of a percentage point) and the basic iron and steel products (-0,3 of a percentage point) divisions.

The total value of sales of manufactured products for the three months up to July 1998 showed a slight increase of 0,5% (R495 million) after seasonal adjustment compared with the previous three months. The largest increases were recorded by the food products (+R610 million), publishing and printing (+R211 million) and other chemical products (+R245 million) divisions. Large decreases were recorded by the chemical (-R282 million), machinery (-R269 million) and non-metallic minerals (-R141 million) divisions.

SUMMARY - TOTAL MANUFACTURING

Period				Production indices 1995 = 100	Sales R mill.	Percentage change of:	
						Production indices	Sales
Actual							
May	1998 -	Jul.	1998	101,8	91 133,4	-3,4	+1,0
May	1997 -	Jul.	1997	105,4	90 265,6		
Seasonally adjusted							
May	1998 -	Jul.	1998	100,5	90 779,9	-1,4	+0,5
Feb.	1998 -	Apr.	1998	101,9	90 284,7		

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**

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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	96,5*
M	89,7	87,6	86,4	101,3	102,7	105,3	100,5*
J	90,0	93,0	93,7	102,0	101,4	104,1	102,2
J	92,2	92,2	95,9	102,8	103,4	106,9	102,6 1/
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	90,7	90,5	95,1	99,9	106,4	105,4
F	93,2	91,8	91,1	99,0	98,9	103,7	103,4
M	91,9	94,3	95,7	100,3	99,3	99,9	100,5
A	92,4	89,4	92,0	96,2	100,9	110,6	101,8
M	91,7	89,0	87,2	101,6	102,4	104,6	99,7
J	89,0	92,2	93,0	101,3	100,6	103,3	101,5
J	91,3	90,9	94,2	100,8	101,1	104,4	100,3
A	83,5	91,3	93,3	101,7	102,3	103,3	
S	89,3	91,4	98,4	102,4	99,5	103,1	
O	91,2	90,9	95,6	100,5	102,2	105,3	
N	89,7	91,9	98,1	100,4	102,5	101,4	
D	92,2	94,5	98,0	99,5	97,8	101,6	

* Revised

1/ Preliminary

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

BASE 1995 = 100

Manufacturing Divisions and major groups	Weights	Year 1997	Actual indices			Seasonally adjusted indices		
			July	June 1/	July	July	June	July
			1998		1997	1998		1997
TOTAL	100,0	103,9	102,6	102,2	106,9	100,3	101,5	104,4
Food and food products	13,6	106,4	106,1	107,8	100,3	104,9	107,1	99,1
Meat, fish, fruit etc.	3,9	120,2	110,5	113,8	113,8	116,0	119,1	118,5
Dairy products	1,6	95,2	81,8	88,7	91,6	90,4	99,6	101,4
Grain mill products	2,8	103,1	93,6	99,0	108,9	91,1	99,3	106,2
Other food products	5,3	101,4	117,0	113,9	88,4	108,3	104,0	81,9
Beverages	5,2	104,9	90,5	90,9	89,9	104,7	106,7	103,5
Total textiles	3,3	102,6	96,9	96,0	111,5	90,0	90,8	103,6
Textiles	2,0	102,0	98,1	91,2	113,8	88,1	86,5	102,6
Other textile products	1,3	103,7	95,1	103,2	108,1	93,4	100,5	105,4
Total Wearing apparel	3,7	93,7	89,1	73,1	97,2	87,6	78,7	95,2
Knitted, crocheted articles	0,7	86,5	83,9	71,9	92,1	81,7	66,0	89,8
Wearing apparel	3,0	95,2	90,2	73,3	98,3	88,8	81,5	96,3
Tanning and dressing of leather	0,4	103,0	100,0	109,0	93,2	102,2	110,0	94,9
Footwear	1,1	83,9	70,1	69,7	97,7	66,4	74,6	92,6
Wood and products of wood	1,8	111,2	109,2	105,6	122,0	101,6	105,4	113,8
Sawmilling and planing of wood	0,6	103,8	98,5	110,5	115,8	92,0	109,1	108,3
Products of wood	1,1	115,2	115,0	102,9	125,3	105,9	104,1	115,8
Paper and paper products	4,9	92,0	94,3	102,2	93,2	92,0	97,9	90,7
Total publishing and printing	3,9	99,5	98,8	98,2	102,8	100,0	100,5	104,1
Publishing	1,6	103,2	101,1	111,8	103,0	105,9	108,7	107,6
Printing, recorded media	2,3	97,0	97,2	88,9	102,7	95,6	92,9	101,3
Coke and refined petroleum products	6,1	105,3	111,9	105,6	106,0	110,0	104,0	104,7
Basic chemicals	4,4	108,0	108,7	105,2	104,9	107,7	104,4	104,5
Other chemical products	7,0	106,9	109,2	101,2	116,0	108,8	100,5	115,8
Rubber products	1,5	98,1	94,9	113,3	105,0	92,8	98,1	102,2
Plastic products	2,9	91,8	92,6	89,9	96,7	88,2	90,2	91,7
Glass and glass products	1,0	97,5	82,8	104,0	86,8	89,8	92,1	93,8
Other non-metallic mineral products	3,3	98,3	98,6	100,9	108,8	92,1	95,2	101,9
Basic iron and steel products	5,8	100,6	98,0	117,0	113,4	94,1	108,8	108,6
Basic precious and non-ferrous metal products	1,9	143,4	144,4	143,3	142,1	139,9	147,3	137,5
Fabricated metal products	6,6	109,8	107,8	105,4	112,5	105,9	104,2	110,7
Structural metal products	1,9	114,1	109,4	126,8	113,3	110,4	112,6	114,3
Other fabricated metal product	4,7	108,1	107,2	96,7	112,2	103,4	100,2	108,5
Total machinery and equipment	6,1	111,1	108,4	97,9	116,3	102,5	100,1	110,1
General purpose machinery	2,5	117,6	101,7	125,3	121,5	96,4	120,2	114,9
Special purpose machinery	3,1	106,5	114,1	74,9	110,3	107,6	78,2	104,0
Household appliances	0,5	108,3	107,5	101,6	127,3	103,6	107,7	122,8
Electrical machinery, apparatus	3,2	100,1	105,2	104,3	103,5	99,6	98,3	97,9
Radio, television and communication apparatus	1,2	102,1	111,2	133,3	97,8	119,2	125,2	103,8
Professional equipment	0,5	96,7	73,6	79,1	104,7	67,9	75,3	96,5
Motor vehicles; trailers; parts and accessories	6,5	93,6	91,6	91,8	103,7	86,8	88,6	98,6
Motor vehicles	3,5	93,2	78,7	82,0	105,6	71,8	76,9	96,8
Bodies for motor vehicles; trailers and semi-trailers	0,5	72,1	74,6	73,1	73,2	76,7	68,1	75,4
Parts and accessories	2,5	98,7	113,6	109,8	107,4	108,6	107,3	102,4
Other transport equipment	1,0	123,8	131,2	118,7	140,6	120,2	122,9	129,6
Furniture	1,8	109,9	103,1	101,2	123,4	100,2	105,0	119,9
Other manufacturing industries	1,5	119,6	120,4	110,6	143,6	108,4	110,8	129,4

* Revised

1/ Preliminary

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	16 190 807	18 963 753	21 411 731	24 858 933	25 536 063
F	17 510 738	18 637 234	19 682 445	24 056 113	25 702 503	29 144 979	29 196 804
M	18 805 877	20 466 292	21 877 579	26 286 553	27 633 591	29 230 004	31 391 444*
A	16 763 639	17 593 273	19 002 582	22 548 829	25 696 635	29 750 556	28 975 505*
M	17 522 847	18 342 032	19 549 436	25 327 785	27 673 577	29 906 216	29 573 984*
J	17 807 581	19 583 979	21 864 295	25 747 976	27 630 900	29 904 359	30 897 222
J	18 492 183	19 563 607	22 042 214	25 174 458	27 731 523	30 455 047	30 662 229 1/
A	17 278 218	20 356 179	21 726 863	26 587 938	28 916 795	30 689 015	
S	18 982 132	20 756 927	23 662 763	27 205 734	28 930 000	30 593 714	
O	20 485 866	21 528 390	24 911 403	28 769 011	32 317 508	34 960 869	
N	20 479 732	22 060 214	25 902 823	29 255 317	32 284 042	32 882 447	
D	16 508 727	17 825 696	20 445 704	23 584 152	25 833 237	27 658 801	
YEAR	215 104 577	232 003 297	256 858 914	303 507 619	331 762 042	360 034 940	
SEASONALLY ADJUSTED VALUES							
J	17 565 196	18 686 974	19 842 724	23 207 201	26 076 600	30 096 732	30 810 868
F	17 709 869	18 884 604	19 962 626	24 483 747	26 217 258	29 796 762	29 877 452
M	17 633 640	19 191 698	20 531 513	24 772 164	26 165 102	27 826 427	29 977 188
A	17 897 221	18 808 059	20 297 553	23 996 672	27 202 055	31 324 352	30 430 030
M	17 850 905	18 616 092	19 742 653	25 479 820	27 736 128	29 930 826	29 589 677
J	17 602 513	19 357 154	21 619 430	25 462 581	27 318 384	29 602 234	30 640 552
J	18 366 706	19 428 371	21 908 531	25 050 644	27 605 936	30 324 235	30 549 678
A	16 658 714	19 713 346	21 098 950	25 869 543	28 184 778	29 924 531	
S	18 021 713	19 725 582	22 559 511	26 084 658	27 889 461	29 584 227	
O	18 617 645	19 504 201	22 496 558	25 884 473	29 036 394	31 356 218	
N	18 362 214	19 765 014	23 229 398	26 244 044	29 034 158	29 604 532	
D	18 656 169	20 124 036	22 981 183	26 439 292	28 868 445	30 875 517	

* Revised

1/ Preliminary

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

R1 000

Manufacturing Divisions and major groups	Year	Actual values			Seasonally adjusted values		
		July	June 1/	July	July	June	July
		1998		1997	1998		1997
TOTAL	360 034 940	30 662 229	30 897 222	30 455 047	30 549 678	30 640 552	30 324 235
Food and food products	54 409 302	4 763 416	4 490 128	4 632 198	4 738 744	4 616 177	4 608 035
Meat, fish, fruit etc.	15 094 682	1 280 264	1 214 550	1 216 189	1 313 576	1 252 870	1 240 655
Dairy products	6 478 398	505 455	522 105	520 353	556 057	579 698	572 260
Grain mill products	15 109 619	1 299 142	1 262 992	1 318 140	1 229 205	1 253 259	1 252 632
Other food products	17 726 603	1 678 555	1 490 481	1 577 516	1 606 742	1 507 876	1 520 438
Beverages	18 318 615	1 448 031	1 402 780	1 362 773	1 625 939	1 605 166	1 531 635
Total textiles	10 133 574	847 070	829 751	904 493	801 507	785 030	854 361
Textiles	7 020 037	568 123	569 313	637 682	532 411	532 899	597 641
Other textile products	3 113 537	278 947	260 438	266 811	269 939	250 152	256 923
Total Wearing apparel	9 875 497	788 130	675 241	802 407	826 114	764 632	839 123
Knitted, crocheted articles	1 531 731	118 956	124 418	134 466	118 247	115 569	133 503
Wearing apparel	8 343 766	669 174	550 823	667 941	711 378	652 276	708 166
Tanning and dressing of leather	1 826 328	131 296	149 182	140 384	136 017	147 949	144 257
Footwear	2 579 392	178 784	183 494	242 138	172 694	212 302	234 509
Wood and products of wood	6 075 424	506 877	510 610	544 445	481 311	498 787	518 295
Sawmilling and planing of wood	1 760 126	147 967	159 563	158 647	138 783	156 947	149 098
Products of wood	4 315 298	358 910	351 047	385 798	340 615	342 978	367 243
Paper and paper products	17 420 490	1 493 827	1 625 507	1 429 795	1 482 080	1 585 051	1 411 564
Total publishing and printing	10 264 567	903 955	902 782	872 374	923 677	921 742	889 549
Publishing	3 977 552	360 338	385 690	336 563	374 421	375 403	348 243
Printing, recorded media	6 287 015	543 617	517 092	535 811	546 129	536 014	538 261
Coke and refined petroleum products	20 392 769	1 551 975	1 677 413	1 743 238	1 563 600	1 653 088	1 746 395
Basic chemicals	15 541 228	1 223 516	1 355 103	1 259 652	1 259 547	1 269 574	1 301 190
Other chemical products	22 931 096	2 098 142	1 929 851	1 935 987	2 116 322	1 926 645	1 953 058
Rubber products	4 212 301	374 861	388 533	368 843	367 894	356 736	362 094
Plastic products	9 101 628	814 875	764 859	794 035	790 037	780 099	767 708
Glass and glass products	2 323 575	181 740	179 405	189 470	180 294	179 291	187 930
Other non-metallic mineral products	9 166 348	813 852	794 559	837 276	753 438	754 500	779 820
Basic iron and steel products	24 710 217	2 041 414	2 638 635	1 923 864	2 130 757	2 358 858	2 007 650
Basic precious and non-ferrous metal products	11 995 331	1 010 276	993 584	910 169	1 024 335	971 572	924 447
Fabricated metal products	22 327 518	1 821 150	1 894 712	1 878 793	1 798 526	1 791 362	1 858 522
Structural metal products	8 585 218	644 037	822 077	648 997	674 511	700 794	677 865
Other fabricated metal product	13 742 300	1 177 113	1 072 635	1 229 796	1 137 546	1 058 248	1 191 656
Total machinery and equipment	18 876 679	1 524 760	1 618 645	1 586 035	1 586 369	1 660 601	1 637 136
General purpose machinery	8 172 334	637 330	776 022	688 258	657 600	769 875	705 748
Special purpose machinery	8 777 703	726 163	686 305	711 026	753 543	727 849	732 581
Household appliances	1 926 642	161 267	156 318	186 751	153 889	160 757	178 622
Electrical machinery, apparatus	10 831 511	1 009 416	932 408	953 911	938 717	895 103	889 576
Radio, television and communication apparatus	3 309 229	351 158	387 899	263 889	381 129	385 551	283 255
Professional equipment	1 159 640	76 594	80 291	101 065	73 821	74 800	97 802
Motor vehicles; trailers; parts and accessories	33 839 018	3 058 620	2 937 960	3 034 001	2 916 623	2 862 340	2 902 237
Motor vehicles	24 362 934	2 118 265	2 076 816	2 208 865	1 993 310	2 009 629	2 086 731
Bodies for motor vehicles; trailers and semi-trailers	1 735 100	140 708	140 705	144 489	148 038	140 203	152 347
Parts and accessories	7 740 984	799 647	720 439	680 647	774 063	714 432	660 012
Other transport equipment	2 264 223	176 656	191 561	219 207	176 451	205 634	217 802
Furniture	5 609 037	480 878	463 642	525 424	472 957	479 724	516 351
Other manufacturing industries	10 540 403	990 960	898 687	999 181	926 630	902 581	935 921

* Revised

1/ Preliminary

TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	July	June *	July	July	June	July
	1998		1997	1998		1997
Spinning, weaving and finishing of textiles	197 948	216 378	294 220	193 093	215 616	286 297
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	12 652	11 737	8 233	14 473	12 757	9 407
Other textile articles	82 775	98 592	94 251	79 797	90 217	90 670
Knitted and crocheted fabrics and articles	115 760	117 622	164 034	120 639	125 086	171 023
Wearing apparel	934 489	952 800	1 031 062	958 330	938 716	1 054 896
Sawmilling and preserving of timber	16 743	17 622	23 817	16 734	17 940	23 824
Veneer sheets, plywood, laminboard, etc.	17 621	16 891	32 857	18 602	19 307	34 309
Builders' carpentry and joinery	36 111	37 616	36 668	35 459	35 820	35 957
Pulp, paper and paperboard	285 608	235 524	245 989	248 918	257 318	213 586
Corrugated paper and paperboard and containers	288 979	302 784	305 406	303 014	314 315	320 853
Paints, varnishes and coatings	17 733	16 337	12 117	21 258	18 336	14 215
Basic iron and steel products	2 937 086	2 937 234	3 391 929	2 922 945	2 903 525	3 375 097
Steel pipe and tube mills	121 906	130 849	356 923	120 114	125 940	353 856
Basic precious and non-ferrous metal products	1 151 331	1 231 650	1 130 960	1 138 925	1 210 075	1 112 718
Metal structures, parts	1 573 746	1 587 076	1 568 969	1 618 403	1 631 106	1 614 977
Cutlery, hand tools and general hardware	34 576	28 855	32 588	34 320	27 480	32 216
Metal containers, e.g. cans and tins	43 962	48 461	51 741	46 120	48 377	54 298
Cables, wire products, springs	57 164	79 609	81 746	58 712	76 128	83 853
Metal fasteners	46 096	44 961	60 728	44 615	42 719	58 354
All other metal products	673 756	543 021	1 064 320	605 036	509 467	965 068
Domestic appliances	35 230	36 638	41 120	33 832	35 867	39 093
Electric motors, generators and transformers	352 091	353 340	220 189	329 145	341 841	206 770
Insulated wire and cables	196 423	200 593	293 504	188 879	192 310	282 830
Accumulators, primary cells and primary batteries	13 757	15 620	20 005	12 658	16 190	18 585
Television, radio and communication apparatus	679 745	698 213	951 800	647 295	647 132	911 880
Motor vehicles	1 344 644	1 346 936	1 079 576	1 254 777	1 312 906	998 134
Parts and accessories for motor vehicles	259 561	305 493	346 778	249 203	288 368	333 446
Furniture	177 256	174 677	271 645	188 945	191 394	287 391

* Revised