

P3041.2

Manufacturing: Manufacturing statistics. Production and sales

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MANUFACTURING PRODUCTION CONTINUES TO DECREASE

Manufacturing production is still showing a declining trend and the production for September 1997 decreased by 0,3% after seasonal adjustment compared with August 1997. However, manufacturing production is still 2,7% higher than for September 1996.

Decreases in the seasonally adjusted production were reported by 16 of the 27 manufacturing divisions. The major contributors to the decrease of 0,3% were the beverage (contributing -0,3 of a percentage point), the basic chemicals (-0,2 of a percentage point) and the petroleum products industries (-0,2 of a percentage point). These decreases were to a large extent counteracted by a substantial increase in production reflected by the paper products industry (contributing +1,0 percentage point).

The total sales of locally manufactured products for September 1997 decreased by 1,3% (or R401,5 million) after seasonal adjustment compared with August 1997. The largest decreases were reported by the general and special purpose machinery industry (-R186,6 million), other transport equipment (-R112,9 million), the beverage (-R107,8 million) and the petroleum products industries (-R100,2 million).

SUMMARY - TOTAL MANUFACTURING

Period	Production indices		Sales		Percentage change of:	
	1995 = 100		R mill.		Production indices	Sales
Actual						
Jul. 1997 -	Sept. 1997	106,6	91 927,4	+2,2	+7,4	
Jul. 1996 -	Sept. 1996	104,3	85 606,9			
Seasonally adjusted						
Jul. 1997 -	Sept. 1997	103,1	89 634,2	-3,0	-1,8	
Apr. 1997 -	Jun. 1997	106,3	91 310,0			

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 those for total manufacturing 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 classi-

fication 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.

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

(ii) 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 the 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. 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**).
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 - INDICES OF THE PHYSICAL VOLUME OF MANUFACTURING PRODUCTION - TOTAL
HISTORICAL TABLE
BASE 1995 = 100

Month	1991	1992	1993*	1994*	1995*	1996*	1997*
ACTUAL INDICES							
J	80,6	77,2	75,7	75,1	80,4	83,9	89,8
F	93,2	92,3	90,8	88,8	97,0	96,6	101,9
M	97,8	95,9	98,3	98,3	103,3	102,0	102,3
A	95,2	87,0	84,2	86,5	90,6	95,5	104,7
M	92,0	89,7	87,8	86,1	101,9	102,7	105,1
J	95,1	90,0	93,1	93,5	101,1	101,4	104,2
J	94,1	92,2	92,3	95,6	102,9	103,2	106,9
A	96,9	86,5	94,4	95,7	104,8	105,5	105,9
S	98,3	94,0	96,4	103,4	107,5	104,2	107,0 1/
O	101,0	100,5	100,7	105,4	112,1	114,4	
N	102,1	100,7	103,3	109,3	111,7	113,7	
D	80,6	81,4	83,3	85,3	86,8	84,4	
YEAR	93,9	90,6	91,7	93,6	100,0	100,6	
SEASONALLY ADJUSTED INDICES							
J	96,2	92,5	91,0	90,5	97,1	101,5	108,6
F	94,1	93,4	92,1	90,3	99,1	99,0	104,6
M	93,2	91,3	93,8	94,6	99,1	98,2	98,7
A	101,1	92,6	89,5	92,0	96,2	101,2	110,8
M	94,3	91,7	89,1	86,8	102,0	102,2	104,2
J	94,0	89,1	92,4	93,0	100,6	101,0	103,9
J	93,5	91,3	91,0	93,9	100,8	100,9	104,5
A	93,5	83,7	91,4	92,9	101,6	102,2	102,6
S	94,0	89,5	91,7	98,4	102,4	99,4	102,3
O	92,0	91,4	91,2	95,1	101,0	103,0	
N	91,1	89,8	92,2	97,6	99,8	101,6	
D	91,9	92,7	94,8	97,2	99,2	96,6	

* Revised

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

BASE 1995 = 100

Manufacturing Divisions	Weights	Year	Actual indices			Seasonally adjusted indices			
			1996	September	August	September	September	August	September
				1/	*				
				1997		1996	1997		1996
TOTAL	100,0	100,6	107,0	105,9	104,2	102,3	102,6	99,4	
Food and food products	13,6	104,6	108,0	112,0	104,4	108,6	109,1	105,0	
Beverages	5,2	99,5	103,8	102,8	97,9	101,8	107,5	95,7	
Textiles	3,3	96,8	108,9	111,8	100,8	103,1	105,4	94,9	
Wearing apparel	3,7	90,7	102,4	100,8	97,1	90,6	91,1	85,4	
Tanning and dressing of leather	0,4	101,8	97,9	89,2	104,3	93,2	86,7	99,0	
Footwear	1,1	84,3	100,7	94,2	100,8	84,6	83,8	84,6	
Wood and products of wood	1,8	102,0	117,0	115,7	108,4	110,8	114,5	102,2	
Paper and paper products	4,9	89,2	97,1	83,9	93,1	94,2	78,2	90,7	
Publishing and printing	3,9	97,0	101,8	100,1	99,1	99,9	100,1	97,0	
Coke and refined petroleum products	6,0	100,5	96,5	103,0	96,0	100,6	104,5	100,3	
Basic chemicals	4,4	104,0	96,7	103,5	107,6	95,1	100,8	105,1	
Other chemical products	7,0	103,8	115,8	109,6	117,8	109,0	109,9	110,6	
Rubber products	1,5	96,2	106,8	101,6	104,7	98,9	96,2	96,6	
Plastic products	2,9	97,5	99,4	95,0	103,6	93,0	91,6	96,7	
Glass and glass products	0,9	95,0	105,9	110,7	97,3	103,3	107,1	95,1	
Other non-metallic mineral products	3,3	100,9	101,5	106,2	109,8	93,3	98,6	100,4	
Basic iron and steel products	5,8	96,4	96,0	97,8	104,1	91,4	94,3	98,9	
Basic precious and non-ferrous metal products	1,9	148,7	161,9	141,5	146,4	155,7	141,8	141,2	
Fabricated metal products	6,6	101,5	111,2	105,6	97,4	107,0	104,6	93,3	
General and special purpose machinery and apparatus	6,1	105,3	124,7	117,2	116,9	109,2	106,5	102,1	
Electrical machinery and apparatus	3,2	95,8	105,0	104,7	96,5	96,3	97,7	88,2	
Radio, television and communication apparatus	1,2	83,4	118,2	108,5	81,5	107,3	106,5	73,2	
Professional equipment	0,5	96,6	94,8	103,3	97,5	91,5	99,0	92,9	
Motor vehicles, trailers parts and accessories	6,5	95,3	94,7	97,9	98,0	90,7	93,0	93,6	
Other transport equipment	1,0	129,2	129,7	127,6	129,4	129,7	121,6	128,5	
Furniture	1,8	102,1	128,3	115,9	122,6	109,6	107,1	104,8	
Other manufacturing industries	1,5	107,5	113,9	128,5	102,0	116,9	122,6	103,5	

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

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Month	1991	1992	1993	1994	1995	1996	1997
ACTUAL VALUES							
J	13 783 105	14 467 037	15 266 173	16 169 989	18 939 693	21 416 829	24 867 223
F	16 297 962	17 510 739	18 609 956	19 656 081	24 029 003	25 710 681	29 191 018
M	17 447 255	18 805 877	20 434 463	21 847 702	26 256 366	27 639 783	29 274 077
A	16 917 211	16 763 639	17 572 052	18 978 165	22 525 020	25 705 818	29 759 775
M	16 632 606	17 522 847	18 319 979	19 527 269	25 302 470	27 686 140	29 960 307
J	17 110 351	17 807 581	19 559 198	21 839 174	25 722 122	27 642 844	29 934 870*
J	17 233 731	18 492 184	19 540 911	22 018 314	25 181 192	27 742 223	30 545 744*
A	17 863 110	17 278 219	20 333 383	21 700 239	26 595 046	28 926 216	30 824 419
S	18 325 821	18 982 133	20 731 470	23 634 447	27 214 146	28 938 501	30 557 214 1/
O	18 812 910	20 485 866	21 503 872	24 884 237	28 775 075	32 316 218	
N	19 018 784	20 479 731	22 033 110	25 875 369	29 255 420	32 297 557	
D	15 174 908	16 508 727	17 800 395	20 422 869	23 589 466	25 834 868	
YEAR	204 617 754	215 104 580	231 704 962	256 553 855	303 385 019	331 857 678	
SEASONALLY ADJUSTED VALUES							
J	16 668 775	17 575 297	18 676 645	19 898 915	23 414 190	26 554 463	30 853 579
F	16 493 844	17 719 991	18 875 031	19 957 183	24 459 768	26 201 975	29 749 451
M	16 411 452	17 645 053	19 149 609	20 444 870	24 575 679	25 904 097	27 469 377
A	18 024 501	17 923 193	18 831 624	20 355 539	24 131 674	27 500 578	31 788 977
M	16 965 742	17 856 734	18 604 575	19 734 924	25 422 729	27 680 628	29 851 705
J	16 930 270	17 608 376	19 340 607	21 605 038	25 440 747	27 360 076	29 669 357
J	17 110 304	18 345 864	19 388 131	21 864 739	25 004 604	27 565 080	30 387 665
A	17 118 961	16 593 401	19 586 404	20 952 429	25 695 851	27 962 882	29 824 015
S	17 459 280	18 026 076	19 702 051	22 520 142	26 037 303	27 782 627	29 422 524
O	17 129 957	18 623 602	19 485 106	22 472 534	25 940 288	29 119 947	
N	17 077 532	18 369 982	19 746 724	23 156 120	26 147 752	28 831 778	
D	17 199 285	18 665 276	20 106 695	23 010 410	26 582 718	29 117 535	

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TABLE 4 - VALUE OF SALES - MANUFACTURING DIVISIONS

R1 000

Manufacturing Divisions	Year	Actual values			Seasonally adjusted values		
		September 1/	August	September	September	August	September
		1997		1996	1997		1996
		1996	1997	1996	1997	1996	
TOTAL	331 857 678	30 557 214	30 824 419	28 938 501	29 422 524	29 824 015	27 782 627
Food and food products	51 306 023	4 325 100	4 637 373	4 265 819	4 440 516	4 530 181	4 371 626
Beverages	16 247 507	1 514 131	1 533 124	1 373 419	1 491 436	1 599 203	1 351 174
Textiles	9 064 196	892 913	895 523	792 190	834 415	842 138	738 236
Wearing apparel	7 383 526	794 539	763 729	704 408	686 143	686 648	604 696
Tanning and dressing of leather	1 644 701	143 741	125 200	141 883	132 371	122 751	131 063
Footwear	2 292 311	220 798	203 786	196 236	213 942	197 957	190 634
Wood and products of wood	5 264 529	547 050	536 555	477 054	504 862	501 794	440 236
Paper and paper products	16 179 528	1 586 828	1 341 304	1 547 867	1 561 199	1 259 869	1 529 417
Publishing and printing	9 429 976	899 684	886 569	811 219	878 822	891 805	791 579
Coke and refined petroleum products	18 555 078	1 544 674	1 681 242	1 664 249	1 506 911	1 607 136	1 623 077
Basic chemicals	15 552 192	1 351 822	1 364 594	1 374 099	1 300 406	1 311 029	1 317 066
Other chemical products	19 310 251	1 900 110	1 829 343	1 685 581	1 810 926	1 833 408	1 600 276
Rubber products	3 963 194	382 100	374 547	337 874	368 521	360 008	324 377
Plastic products	8 883 465	845 796	815 729	800 064	782 478	776 564	738 611
Glass and glass products							
Other non-metallic mineral products	8 453 571	837 338	818 201	793 101	760 451	762 137	718 096
Basic iron and steel products	22 279 348	2 055 821	2 078 118	1 899 444	1 986 912	1 941 256	1 835 765
Basic precious and non-ferrous metal products	10 841 732	1 054 688	1 012 549	920 427	1 037 743	1 003 302	905 077
Fabricated metal products	19 689 343	1 886 680	1 768 823	1 593 491	1 796 232	1 748 504	1 512 088
General and special purpose machinery and apparatus	18 337 078	1 732 536	1 874 436	1 808 618	1 554 698	1 741 278	1 615 687
Electrical machinery and apparatus	9 600 176	934 977	956 012	832 582	882 768	894 011	780 188
Radio, television and communication apparatus	2 902 572	293 078	334 671	264 676	264 119	320 418	236 680
Professional equipment	1 056 380	95 420	99 752	91 648	92 090	95 477	87 805
Motor vehicles, trailers parts and accessories	34 158 403	2 838 882	2 839 505	2 888 794	2 697 756	2 745 908	2 744 411
Other transport equipment	1 842 495	122 732	280 181	144 523	108 571	221 432	125 794
Furniture	4 905 148	537 836	513 397	458 052	480 331	470 516	407 549
Other manufacturing industries	8 805 162	836 068	888 904	712 374	847 884	877 456	716 194

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TABLE 5 - VALUE OF UNFILLED ORDERS - SELECTED SUBGROUPS

R1 000

Selected Manufacturing Subgroups	Actual values			Seasonally adjusted values		
	August	July	August	August	July	August
	1997		1996	1997		1996
Spinning, weaving and finishing of textiles	300 702	294 220	266 212	291 985	287 234	259 541
Tents, tarpaulins, sails and other canvas goods and automotive textile goods	10 335	8 233	12 294	8 958	9 278	10 859
Other textile articles	84 745	94 251	91 581	81 464	91 549	87 508
Knitted and crocheted fabrics and articles	168 802	164 034	145 422	163 555	172 976	141 514
Wearing apparel	1 022 701	981 519	1 033 559	1 004 979	1 012 832	1 010 766
Sawmilling and preserving of timber	32 921	32 247	23 695	32 809	32 370	23 777
Veneer sheets, plywood, laminboard, etc.	32 319	32 857	33 571	28 197	33 470	29 140
Builders' carpentry and joinery	35 512	36 668	37 875	34 527	35 556	36 809
Pulp, paper and paperboard	279 002	245 989	245 136	274 098	205 935	241 724
Corrugated paper and paper-board and containers	284 669	305 406	328 719	288 009	322 683	333 519
Paints, varnishes and coatings	18 136	12 117	24 994	16 949	13 774	23 548
Basic iron and steel products	3 314 753	3 372 950	2 823 303	3 386 378	3 369 462	2 877 045
Steel pipe and tube mills	319 843	372 002	364 212	344 196	382 374	390 665
Basic precious and non-ferrous metal products	1 174 566	1 130 960	805 156	1 156 071	1 115 007	786 345
Metal structures, parts	1 658 138	1 597 390	1 574 017	1 643 663	1 702 441	1 557 559
Cutlery, hand tools and general hardware	40 890	39 490	26 946	43 195	37 921	28 409
Metal containers, e.g. cans and tins	44 056	49 490	63 807	46 192	51 096	66 978
Cables, wire products, springs	80 576	81 746	70 365	78 283	83 234	67 449
Metal fasteners	53 097	60 728	59 400	57 247	58 486	63 157
All other metal products	1 107 415	1 064 320	1 056 335	1 048 798	996 910	1 007 034
Domestic appliances	40 261	41 120	22 442	39 838	39 160	22 307
Electric motors, generators and transformers	217 115	220 189	237 637	200 878	213 129	222 359
Insulated wire and cables	275 922	293 504	195 468	262 662	278 625	183 684
Accumulators, primary cells and primary batteries	18 287	20 005	11 329	18 558	18 696	11 649
Television, radio and communication apparatus	950 894	937 157	876 391	932 194	916 091	864 890
Motor vehicles	1 641 998	1 654 005	1 882 574	1 607 023	1 521 078	1 823 742
Parts and accessories for motor vehicles	313 648	346 778	360 224	308 468	333 512	353 653
Furniture	237 725	241 355	302 742	226 464	242 034	289 303

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