

Manufacturing industries statistics

Manufacturing industries

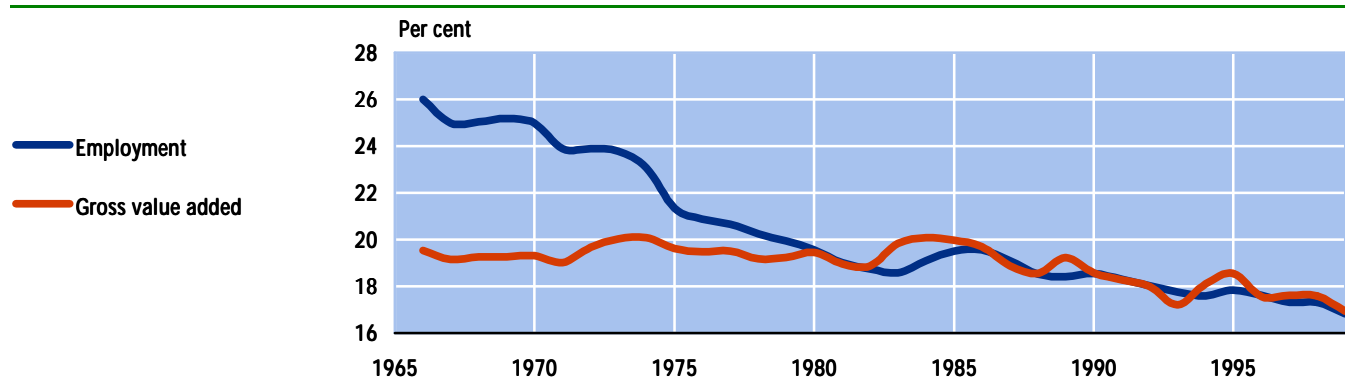
1. Manufacturing industries significance for the overall Danish economy

National Accounts

The significance of manufacturing industries for the Danish economy can be described by means of central statistics from National Accounts. Figure 1 shows manufacturing as a percentage of total activity for the period 1966-1999.

Figure 1

Manufacturing statistics in per cent of total activity



Employment in manufacturing

Manufacturing industries has experienced a significant reduction in its proportionate share of total employment from 1966 up to 1983, from approximately 26 per cent to approximately 19 per cent. The significance of manufacturing industries to employment increased again until 1986; since then, there has been a general decline up to 1999, where manufacturing industries represented approximately 17 per cent of total employment.

Value added

Figure 1 shows the significance of manufacturing industries to the Danish economy in terms of gross value added. When considering these statistics, rather than employment statistics, a somewhat different image of the significance of manufacturing industries emerges. Up until 1982/1983, manufacturing industries represented a more or less constant share of the total value added, approximately 19 per cent. Since then, this figure has gradually fallen to a level of approximately 17 per cent.

2. Manufacturing industries trends 1990-1999

Production in manufacturing industries

Figure 2 provides an elucidation of manufacturers' production in manufacturing industries by means of quantity indices for manufacturing sales, excluding goods resold without further reprocessing for the period 1990-1999. The monthly indices have been adjusted for seasonal fluctuations.

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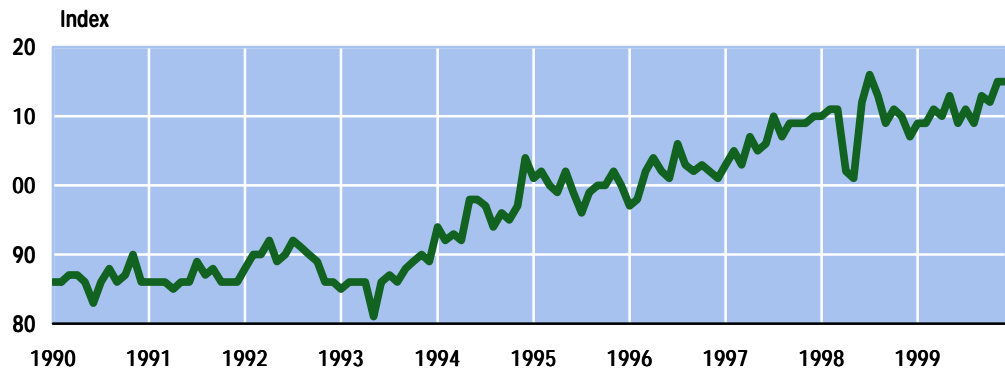
The period shown comprises a number of different business cycles, which are described in more detail below.

Figure 2

Production in manufacturing industries, seasonally adjusted values

Quantity indexes for manufacturing sales, excluding goods resold without further processing (1995=100).

Mining and quarrying, manufacturing



Limited economic growth 1990-1991

The period 1990-1991 was characterised by limited economic growth, which was significantly influenced by the Gulf War in the autumn of 1990 and the beginning of 1991. In the autumn of 1992, a period of economic recession followed the international upheaval in foreign exchanges; this recession was also partly caused by the uncertainty which followed in the wake of the referendum on the Maastricht treaty.

Economic recovery 1993-1995

The following period of economic recovery, which was partly caused by record-breaking private consumption induced by the 1993 tax reform, began in the middle of 1993, peaked in the spring of 1995 and was followed by a six-month period (approx.) of zero growth.

Renewed growth 1996-1997

The zero-growth period was followed by a period of renewed growth in 1996 and 1997, primarily caused by an increase in domestic demand.

Declining trends in 1998

In 1998, the Danish economy lost its impetus after a five-year period of more or less uninterrupted growth. The large-scale labour market conflict during the end of April and the beginning of May caused a great lapse of production for manufacturing industries, and during the autumn, the Danish economy was affected by the global financial unrest and a decrease in competitiveness, which affected manufacturing exports.

Moderate growth in 1999

Manufacturing production rates saw a moderate increase again during 1999, a fact which was primarily brought about by positive developments within the export markets, while domestic demand was moderated as a result of the 1998 "Whitsun Package", which entered into force on 1 January.

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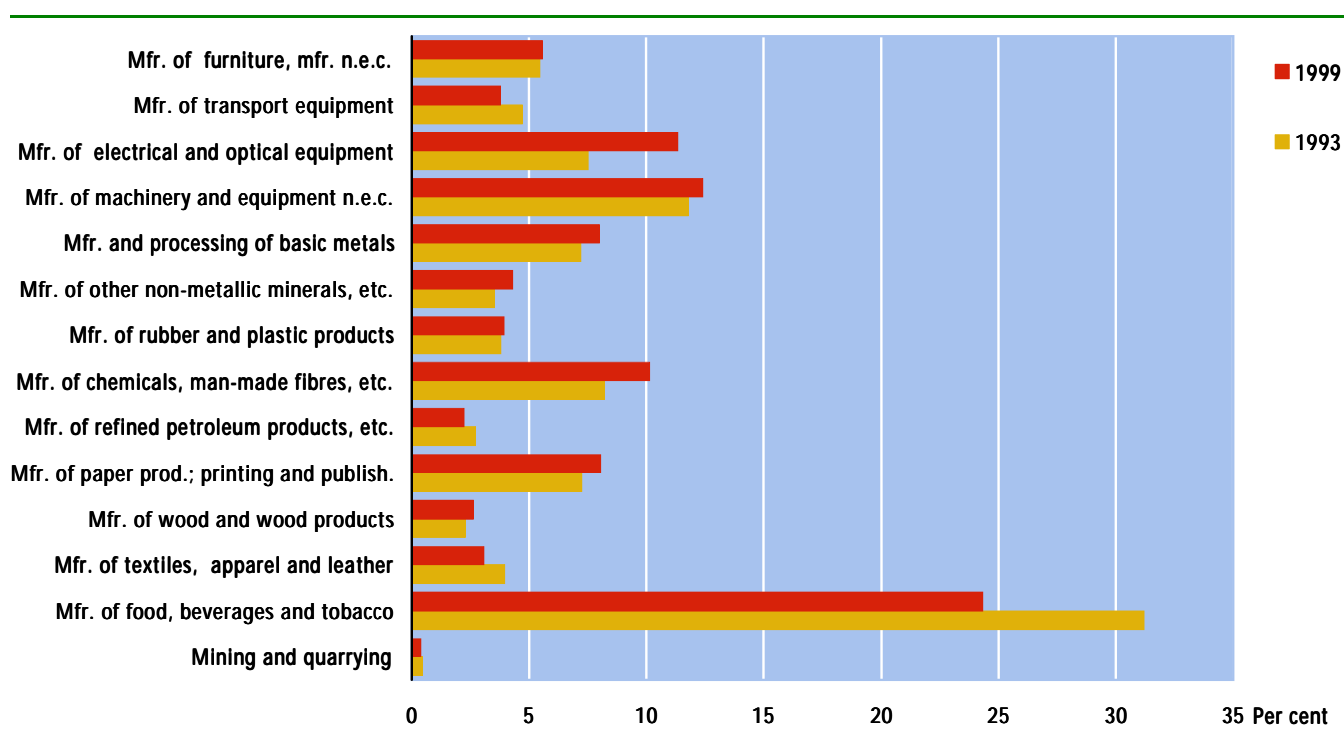
3. Manufacturing industries total turnover by main sectors

Manufacturing industries total turnover

Since 1993, manufacturing industries total turnover (at current prices) for enterprises with 10 employees or more has increased from approximately DKK 344 billion to approximately DKK 450 billion in 1999. In 1999, *Manufacturing of food, beverages and tobacco* had the highest turnover.

Figure 3

Manufacturers' total turnover by groups of industries



Manufacturing industries sector profile in 1999

As was mentioned in the above, in 1999 manufacturing of food, beverages and tobacco accounted for the bulk of activity; approximately one-quarter of the total turnover. This was followed by manufacturing of machinery and equipment, manufacturing of electrical and optical equipment, and manufacturing of chemicals, man-made fibres, etc.; each of these accounted for approximately 10 per cent, while manufacturing of paper products, printing and publishing as well as manufacturing and processing of basic metals both accounted for approximately 8 per cent of manufacturing industries total turnover. Mining and quarrying, which does not include oil and gas extraction in these statistics, accounted for less than ½ per cent of manufacturing industries total turnover.

Changes to manufacturing sector profile since 1993

The relative composition of Danish manufacturing industries has not seen radical changes since 1993, where manufacturing of food, beverages and tobacco also held the dominant position among manufacturers. This dominant position has, however, diminished in terms of relative importance, as the proportionate share of the manufacturers' total turnover

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has been reduced from almost one third to the 25 per cent mentioned above.

This means that other main groups of industries have increased in terms of relative significance. This is particularly true of the manufacture of electrical and optical equipment, which has risen from accounting for approximately 7 per cent to 11 per cent of the total manufacturing turnover; and to a lesser degree this also applies to the manufacture of chemicals, man-made fibres, etc. (including pharmaceuticals), which has seen an increase in its relative share of total manufacturing turnover from approximately 8 per cent to 10 per cent. Both of these groups of industries feature characteristics such as heavy reliance on technology and research.

Table 301

Manufacturers' sales, excluding goods resold without further processing 1998-1999

DB93	Commodity groups	Total sales		Sales, excl. goods resold without further processing	
		1998	1999	1998	1999
		—DKK mio.—			
1009+2	Mining, quarrying, and manufacturing	438 889	450 497	405 438	415 857
1009	Mining and quarrying	1 594	1 742	1 456	1 603
2	Manufacturing	437 295	448 755	403 982	414 254
15009	Mfr. of food, beverages and tobacco	111 115	109 607	100 339	98 345
151000	Production, etc. of meat and meat products	34 658	34 769	34 121	33 744
155000	Mfr. of dairy products	24 409	23 965	18 803	18 151
158909	Mfr. of other food products	39 399	37 900	35 918	34 743
159000	Mfr. of beverages	9 100	9 419	8 270	8 496
160000	Mfr. of tobacco products	3 550	3 553	3 227	3 211
17009	Mfr. of textiles, clothing and leather	14 256	13 853	13 588	13 072
170000	Mfr. of textile	7 505	7 114	7 104	6 747
180000	Mfr. of clothing	4 733	4 758	4 498	4 397
190000	Mfr. of leather and footwear	2 018	1 981	1 986	1 928
20000	Mfr. of wood and wood products	11 624	11 717	11 139	11 212
21009	Mfr. of paper products; printing and publishing	36 026	36 131	34 320	34 476
210000	Mfr. of pulp, paper and paper products	10 180	9 799	9 725	9 393
221200	Publishing of newspapers	7 485	7 229	7 324	7 159
221309	Publishing activities, excl. newspapers	8 629	8 912	7 856	8 061
222009	Printing activities, etc.	9 731	10 192	9 414	9 863
23000	Mfr. of refined petroleum products, etc.	7 775	9 984	7 697	9 853
24000	Mfr. of chemicals, man-made fibres, etc.	41 701	45 510	37 687	41 752
241009	Mfr. of chemical raw materials	9 008	9 223	8 134	8 423
243009	Mfr. of paints, soaps, cosmetics, etc.	12 927	12 949	10 642	10 592
244000	Mfr. of pharmaceuticals, etc.	19 766	23 338	18 911	22 737
25000	Mfr. of rubber and plastic products	17 627	17 753	16 509	16 752
26000	Mfr. of other non-metallic minerals, etc.	17 590	19 272	16 421	18 138
261009	Mfr. of glass and ceramic goods, etc.	4 529	5 870	4 360	5 762
263009	Mfr. of bricks, cement and concrete, etc.	13 061	13 401	12 061	12 376
27009	Mfr. and processing of basic metals	36 979	35 866	35 047	33 936
270000	Mfr. of basic metals	10 668	9 919	10 285	9 533
281009	Mfr. of construction materials of metal, etc.	14 863	14 224	14 327	13 780
286009	Mfr. hand tools, metal packaging, etc.	11 448	11 724	10 435	10 624
29000	Mfr. of machinery and equipment, n.e.s.	58 605	55 813	53 407	50 921
291000	Mfr. of marine engines, compressors, etc.	19 009	17 193	16 701	15 183
292000	Mfr. of general purpose machinery	18 508	17 616	17 026	16 156
293000	Mfr. of agricultural and forestry machinery	3 760	5 119	3 464	4 738
294009	Mfr. of machinery for industries, etc.	12 582	11 406	11 744	10 625
297000	Mfr. of domestic appliances, n.e.s.	4 747	4 478	4 472	4 220
30009	Mfr. of electrical and optical equipment	42 425	51 027	38 986	47 071
300009	Mfr. of computers, electric motors, etc.	17 346	23 810	15 868	21 861
320000	Mfr. of radio and communication equipment, etc.	12 613	14 179	11 543	13 077
330000	Mfr. of medical and optical appliances n.e.s.	12 465	13 038	11 575	12 133
35009	Mfr. of transport equipment	17 203	16 938	16 412	16 132
351000	Building and repairing of ships and boats	7 638	7 817	7 554	7 688
352009	Mfr. of transport equipment, excl. ships	9 565	9 120	8 859	8 443
36000	Mfr. of furniture; manufacturing n.e.s.	24 370	25 286	22 431	22 594
361000	Mfr. of furniture	18 366	18 575	17 758	17 851
365009	Mfr. of toys, gold and silver articles, etc.	6 003	6 711	4 673	4 743

Note. Manufacturing enterprises with at least 10 employees. Turnover of own goods and services includes sales of own products, salaried work, as well as repair and installation work carried out for others.

Table 302

Manufacturers' total turnover, by industry and concentration 1999

DB93	Group of industry	Total turnover	Percentage of total turnover		
			The three largest groups	The five largest groups	The ten largest groups
		DKK mio.	per cent		
1009+2	Mining, quarrying and manufacturing	450 497	9.5	11.6	16.1
1009	Mining and quarrying	1 742	36.9	55.7	77.7
2	Manufacturing	448 755	9.5	11.6	16.1
15009	Mfr. of food, beverages and tobacco	109 607	31.1	37.1	47.6
151000	Production, etc. of meat and meat products	34 769	62.5	71.4	81.7
155000	Mfr. of dairy products	23 965	82.2	88.2	92.9
158909	Mfr. of other food products	37 900	14.6	20.2	31.5
159000	Mfr. of beverages	9 419	74.5	84.5	94.0
160000	Mfr. of tobacco products	3 553	93.5	99.3	100.0
17009	Mfr. of textiles, clothing and leather	13 853	17.5	23.7	32.0
170000	Mfr. of textile	7 114	15.7	21.3	32.0
180000	Mfr. of clothing	4 758	26.9	36.6	51.3
190000	Mfr. of leather, footwear and leather products	1 981	81.6	87.5	96.0
20000	Mfr. of wood and wood products	11 717	21.1	29.4	43.3
21009	Mfr. of paper products; printing and publishing	36 131	10.9	15.3	23.4
210000	Mfr. of pulp, paper and paper products	9 799	18.7	28.0	47.0
221200	Publishing of newspapers	7 229	54.4	66.2	85.0
221309	Publishing activities, excl. newspapers	8 912	24.9	33.8	50.1
222009	Printing activities, etc.	10 192	11.6	16.6	26.3
23000	Mfr. of refined petroleum products, etc.	9 984	98.7	99.6	100.0
24000	Mfr. of chemicals, man-made fibres, etc.	45 510	40.5	49.6	61.6
241009	Mfr. of chemical raw materials	9 223	61.4	71.9	85.8
243009	Mfr. of paints, soap, cosmetics, etc.	12 949	29.0	41.0	65.0
244000	Mfr. of pharmaceuticals, etc.	23 338	75.9	83.1	93.5
25000	Mfr. of rubber and plastic products	17 753	14.4	19.9	30.9
26000	Mfr. of other non-metallic mineral, etc.	19 272	22.6	30.7	41.9
261009	Mfr. of glass and ceramic goods, etc.	5 870	56.3	69.0	82.6
263009	Mfr. of bricks, cement and concrete	13 401	22.8	29.7	41.9
27009	Mfr. and processing of basic metals	35 866	8.0	11.6	17.8
270000	Mfr. of basic metals	9 919	27.2	36.7	55.4
281009	Mfr. of construction materials of metals	14 224	10.6	15.0	22.9
286009	Mfr. of hand tools, packaging of metal, etc.	11 724	12.9	18.5	27.9
29000	Mfr. of machinery and equipment, n.e.s.	55 813	17.1	22.4	30.0
291000	Mfr. of marine engines, compressors, etc.	17 193	55.6	67.3	76.8
292000	Mfr. of other general purpose machinery	17 616	11.7	17.7	27.8
293000	Mfr. of agricultural and forestry machinery	5 119	44.4	53.2	66.0
294009	Mfr. of machines for industries, etc.	11 406	11.9	16.5	25.7
297000	Mfr. of domestic appliances, n.e.s.	4 478	60.5	74.8	88.5
30009	Mfr. of electrical and optical equipment	51 027	23.1	31.1	40.5
300009	Mfr. of computers, electric motors, etc.	23 810	42.4	50.2	62.5
320000	Mfr. of radio and communication equipment, etc.	14 179	46.8	54.1	66.0
330000	Mfr. of medical and optical instruments	13 038	22.4	32.5	50.1
35009	Mfr. of transport equipment	16 938	37.9	44.2	55.5
351000	Building and repairing of ships and boats	7 817	68.4	79.0	91.3
352009	Mfr. of transport equipment, excl. ships	9 120	27.3	35.3	49.9
36000	Mfr. of furniture; manufacturing n.e.s.	25 286	24.3	29.6	37.6
361000	Mfr. of furniture	18 575	13.8	19.7	28.6
365009	Mfr. of toys, gold and silver articles, etc.	6 711	73.2	76.9	82.2

Table 303 Index for manufactures' sales of goods and services, excluding goods resold without further processing 1998-1999

		1998	1999
		1995 = 100	
1009+2	Mining, quarrying, and manufacturing, total	109	111
1009	Mining and quarrying, total	94	94
2	Manufacturing, total	110	112
15009	Mfr. of food, beverages and tobacco	102	102
151000	Production, etc. of meat and meat products	102	102
155200	Mfr. of dairy products	120	126
158909	Mfr. of other food products	101	101
159000	Mfr. of beverages	89	82
160000	Mfr. of tobacco products	96	92
17009	Mfr. of textiles, clothing and leather	106	101
170000	Mfr. of textile	109	106
180000	Mfr. of clothing	103	93
190000	Mfr. of leather, footwear and leather products	106	101
20000	Mfr. of wood and wood products	116	114
21009	Mfr. of paper products; printing and publishing	107	112
210000	Mfr. of pulp, paper and paper products	95	95
221200	Publishing of newspapers	107	102
221309	Publishing activities, excl. newspapers	131	141
222009	Printing activities, etc.	100	109
23000	Mfr. of refined petroleum products, etc.	81	85
24000	Mfr. of chemicals, man-made fibres, etc.	121	142
241009	Mfr. of chemical raw materials	89	98
243009	Mfr. of paints, soap, cosmetics, etc.	110	115
244000	Mfr. of pharmaceuticals, etc.	145	179
25000	Mfr. of rubber and plastic products	112	115
26000	Mfr. of other non-metallic mineral, etc.	110	116
261009	Mfr. of glass and ceramic goods, etc.	98	120
263009	Mfr. of bricks, cement and concrete	114	115
27009	Mfr. and processing of basic metals	109	105
29000	Mfr. of machines and equipment, n.e.s.	106	100
30009	Mfr. of electrical and optical equipment	128	143
35009	Mfr. of transport equipment	101	87
351000	Building and repairing of ships and boats	79	64
352009	Mfr. of transport equipment, excl. ships	129	115
36000	Mfr. of furniture; manufacturing n.e.s.	107	110
361000	Mfr. of furniture	113	118
365009	Mfr. of toys, gold and silver articles, etc.	93	89