

Manufacturing industries statistics

Manufacturing industries

1. Manufacturing industries significance for the overall Danish economy

Relatively constant share of the overall Danish economy since the 1960's

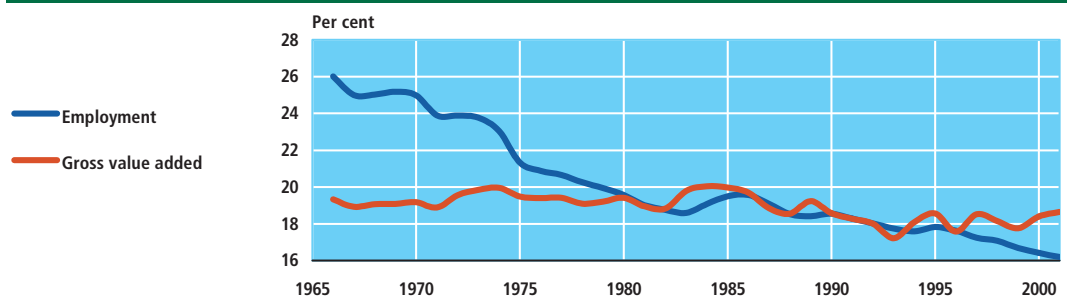
The significance of manufacturing industries for the Danish economy can be described by means of central statistics from the National Accounts. Up until 1980, manufacturing industries represented a more or less constant share of the total value added of 19 pct. Since then, this share has gradually fallen to a level of 18 pct. in 2001.

Manufacturing industries share of total employment is declining

Manufacturing industries has experienced a significant reduction in its share of total employment over the period 1966 to 1983, from 26 pct. to 19 pct. The significance of manufacturing industries to employment increased again until 1986; since then, there has been a general decline up to 2001, where manufacturing industries represented 16 pct. of total employment.

Figure 1

Manufacturing shares in per cent of total activity 1966-2001



2. Manufacturing industries trends

Production in manufacturing industries

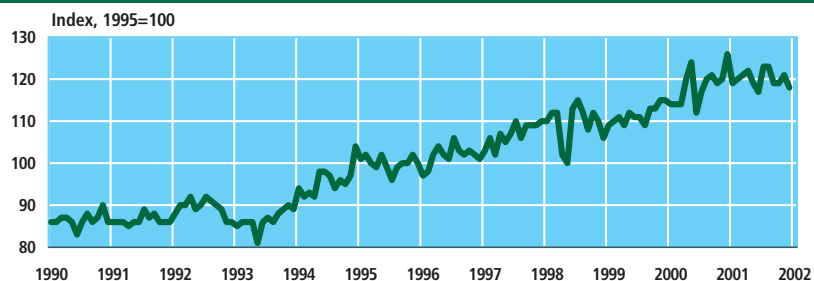
Figure 2 provides an illustration of production in manufacturing industries by means of quantity indices for manufacturing sales excluding goods resold without further processing for the period 1990-2001. The period shown comprises a number of different business cycles, which are described in more detail below.

Moderate economic growth 1990-1991

The period 1990-1991 was characterised by moderate 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 instability in foreign exchange markets; this recession was also partly caused by the uncertainty, which followed in the wake of the referendum on the Maastricht treaty.

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Figure 2 Production in manufacturing industries, seasonally adjusted values



Note: Quantity indexes for manufacturing sales, excluding goods resold without further processing, Mining and quarrying, manufacturing.

Economic recovery in 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 in 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.

Growth in 1999 and 2000

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. There was a considerably heavier increase in the manufacturing production rates in 2000, which was still due to the positive international economic trends. Furthermore, exports of manufactured goods are influenced by the falling effective krone exchange rate, which is the result of the Danish fixed exchange rate policy vis-à-vis the euro, which was substantially weakened vis-à-vis the US dollar.

Economic decline in 2001

The decline in the world economy in 2001 has affected the Danish manufacturing production, which only experienced a very moderate increase. Despite the global economic decline manufacturing exports have remained at the same level as that from the middle of 2000, and the lower growth is also the result of a continuous weak domestic demand.

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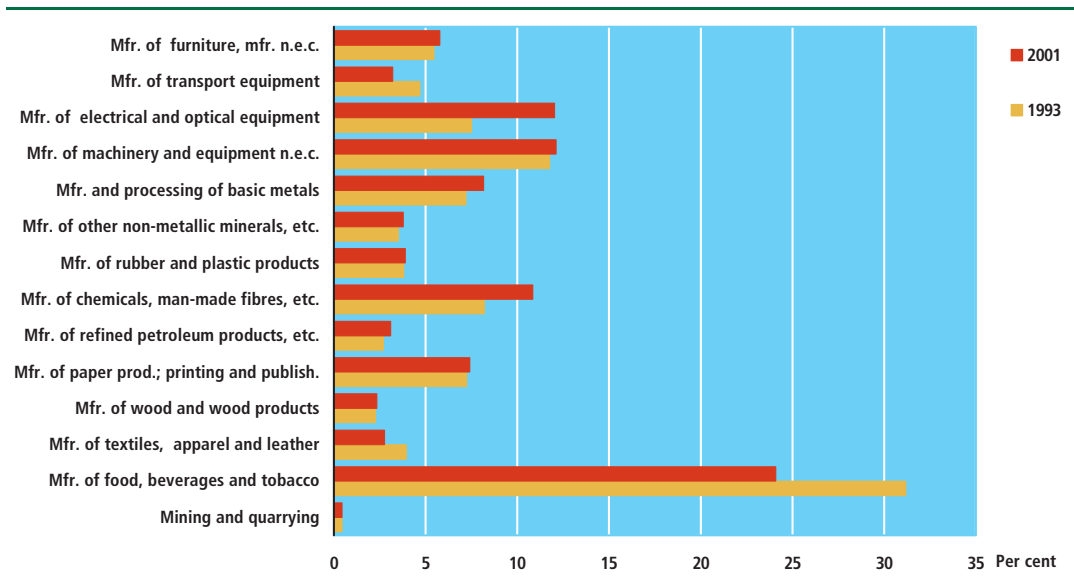
3. Manufacturing industries total turnover by main sectors

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 510 billion in 2001. Manufacturing of food, beverages and tobacco had the highest turnover.

Figure 3

Manufacturers' total turnover by groups of industries



Manufacturing industries sector profile in 2001

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 0.5 per cent of manufacturing industries total turnover.

Growth in the manufacture of electrical and optical equipment and pharmaceuticals

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 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

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for approximately 7 to 12 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 from 8 to 11 per cent. Both of these groups of industries feature characteristics such as heavy reliance on technology and research and development.

Table 304

Manufacturers' sales, excluding goods resold without further processing

DB93	Commodity groups	Total sales		Sales, excl. goods resold without further processing	
		2000	2001	2000	2001
— DKK mio. —					
1009+2	Mining, quarrying, and manufacturing	486 310	513 591	452 380	476 712
1009	Mining and quarrying	2 417	2 289	2 201	2 085
2	Manufacturing	483 893	511 302	450 179	474 627
15009	Mfr. of food, beverages and tobacco	114 786	123 802	105 474	114 305
151000	Production, etc. of meat and meat products	40 052	43 669	38 295	41 559
155000	Mfr. of dairy products	21 835	21 592	19 492	20 491
158909	Mfr. of other food products	39 452	44 882	35 832	40 259
159000	Mfr. of beverages	9 801	9 785	8 578	8 563
160000	Mfr. of tobacco products	3 647	3 874	3 276	3 433
17009	Mfr. of textiles, clothing and leather	14 496	14 249	13 802	13 494
170000	Mfr. of textile	7 551	7 342	7 163	6 869
180000	Mfr. of clothing	4 884	4 551	4 608	4 288
190000	Mfr. of leather and footwear	2 061	2 357	2 031	2 337
20000	Mfr. of wood and wood products	12 248	12 231	11 629	11 570
21009	Mfr. of paper products; printing, publishing	37 825	38 105	36 129	36 654
210000	Mfr. of pulp, paper and paper products	10 423	10 540	10 022	10 039
221200	Publishing of newspapers	7 329	7 521	7 204	7 477
221309	Publishing activities, excl. newspapers	9 341	9 429	8 553	8 828
222009	Printing activities, etc.	10 733	10 614	10 350	10 311
23000	Mfr. of refined petroleum products, etc.	18 592	15 950	18 564	15 903
24000	Mfr. of chemicals, man-made fibres, etc.	50 223	55 660	46 509	51 700
241009	Mfr. of chemical raw materials	9 936	9 295	9 117	8 449
243009	Mfr. of paints, soaps, cosmetics, etc.	14 246	14 667	11 786	12 115
244000	Mfr. of pharmaceuticals, etc.	26 040	31 698	25 605	31 135
25000	Mfr. of rubber and plastic products	19 231	20 029	18 055	18 666
26000	Mfr. of other non-metallic minerals, etc.	18 923	19 327	17 726	17 999
261009	Mfr. of glass and ceramic goods, etc.	4 590	5 504	4 521	5 317
263009	Mfr. of bricks, cement and concrete, etc.	14 333	13 823	13 205	12 682
27009	Mfr. and processing of basic metals	39 494	41 068	37 359	38 654
270000	Mfr. of basic metals	10 888	10 170	10 437	9 745
281009	Mfr. of construction materials of metal, etc.	15 814	17 468	15 222	16 739
286009	Mfr. hand tools, metal packaging, etc.	12 792	13 430	11 701	12 169
29000	Mfr. of machinery and equipment, n.e.s.	60 510	62 441	54 511	55 943
291000	Mfr. of marine engines, compressors, etc.	19 017	19 729	16 569	16 982
292000	Mfr. of general purpose machinery	18 104	20 065	16 737	18 412
293000	Mfr. of agricultural and forestry machinery	4 433	3 264	3 935	2 929
294009	Mfr. of machinery for industries, etc.	14 111	14 563	13 180	13 508
297000	Mfr. of domestic appliances, n.e.s.	4 845	4 819	4 090	4 112
30009	Mfr. of electrical and optical equipment	55 941	62 273	52 343	58 771
300009	Mfr. of computers, electric motors, etc.	25 594	31 419	24 432	30 185
320000	Mfr. of radio and communication equipment, etc.	14 045	14 236	12 823	13 181
330000	Mfr. of medical and optical appliances n.e.s.	16 303	16 619	15 088	15 405
35009	Mfr. of transport equipment	15 424	16 663	14 597	15 872
351000	Building and repairing of ships and boats	5 932	6 710	5 735	6 551
352009	Mfr. of transport equipment, excl. ships	9 493	9 952	8 862	9 322
36000	Mfr. of furniture; manufacturing n.e.s.	26 200	30 207	23 480	25 770
361000	Mfr. of furniture	20 304	20 417	19 489	19 610
365009	Mfr. of toys, gold and silver articles, etc.	5 896	9 790	3 991	6 159

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 305

Manufacturers' total turnover, by industry and concentration 2001

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	513 591	11.4	14.9	20.6
1009	Mining and quarrying	2 289	36.6	53.0	77.8
2	Manufacturing	511 302	11.4	14.9	20.6
15009	Mfr. of food, beverages and tobacco	123 802	37.0	42.2	51.2
151000	Production, etc. of meat and meat products	43 669	69.0	76.7	88.1
155000	Mfr. of dairy products	21 592	89.9	92.0	95.9
158909	Mfr. of other food products	44 882	13.6	19.2	31.6
159000	Mfr. of beverages	9 785	68.5	80.6	94.3
160000	Mfr. of tobacco products	3 874	94.1	100.0	100.0
17009	Mfr. of textiles, clothing and leather	14 249	20.6	26.4	35.1
170000	Mfr. of textile	7 342	19.4	25.2	37.3
180000	Mfr. of clothing	4 551	24.2	34.9	52.8
190000	Mfr. of leather, footwear and leather products	2 357	82.3	91.0	98.2
20000	Mfr. of wood and wood products	12 231	18.7	26.9	40.3
21009	Mfr. of paper products; printing and publishing	38 105	9.5	14.4	22.4
210000	Mfr. of pulp, paper and paper products	10 540	17.6	28.3	49.8
221200	Publishing of newspapers	7 521	48.2	61.2	84.1
221309	Publishing activities, excl. newspapers	9 429	26.3	35.7	53.1
222009	Printing activities, etc.	10 614	12.8	19.7	29.1
23000	Mfr. of refined petroleum products, etc.	15 950	99.7	100.0	100.0
24000	Mfr. of chemicals, man-made fibres, etc.	55 660	47.4	55.7	67.3
241009	Mfr. of chemical raw materials	9 295	60.7	72.1	86.8
243009	Mfr. of paints, soap, cosmetics, etc.	14 667	30.8	41.5	63.5
244000	Mfr. of pharmaceuticals, etc.	31 698	82.4	88.4	96.1
25000	Mfr. of rubber and plastic products	20 029	16.2	21.6	31.8
26000	Mfr. of other non-metallic mineral, etc.	19 327	28.1	35.1	45.7
261009	Mfr. of glass and ceramic goods, etc.	5 504	65.1	75.4	87.9
263009	Mfr. of bricks, cement and concrete	13 823	24.3	32.0	45.1
27009	Mfr. and processing of basic metals	41 068	7.6	10.7	17.8
270000	Mfr. of basic metals	10 170	29.0	40.2	61.9
281009	Mfr. of construction materials of metals	17 468	10.5	14.3	21.9
286009	Mfr. of hand tools, packaging of metal, etc.	13 430	13.5	18.7	28.1
29000	Mfr. of machinery and equipment, n.e.s.	62 441	17.8	22.2	29.2
291000	Mfr. of marine engines, compressors, etc.	19 729	56.3	68.6	77.5
292000	Mfr. of other general purpose machinery	20 065	13.8	21.1	31.0
293000	Mfr. of agricultural and forestry machinery	3 264	29.1	39.1	56.9
294009	Mfr. of machines for industries, etc.	14 563	12.1	16.8	26.4
297000	Mfr. of domestic appliances, n.e.s.	4 819	49.8	66.6	84.2
30009	Mfr. of electrical and optical equipment	62 273	25.5	33.9	44.4
300009	Mfr. of computers, electric motors, etc.	31 419	48.0	54.8	64.9
320000	Mfr. of radio and communication equipment, etc.	14 236	46.1	52.2	64.6
330000	Mfr. of medical and optical instruments	16 619	26.3	36.6	52.2
35009	Mfr. of transport equipment	16 663	40.7	46.9	57.5
351000	Building and repairing of ships and boats	6 710	72.3	81.6	89.8
352009	Mfr. of transport equipment, excl. ships	9 952	34.0	41.0	54.0
36000	Mfr. of furniture; manufacturing n.e.s.	30 207	31.1	37.1	45.5
361000	Mfr. of furniture	20 417	16.9	24.4	34.5
365009	Mfr. of toys, gold and silver articles, etc.	9 790	78.0	81.6	86.6

Table 306

Quantity index for manufacturer' sales of goods and services,
excluding goods resold without further processing

		2000	2001
		1995 = 100	
1009+2	Mining, quarrying, and manufacturing, total	118	120
1009	Mining and quarrying, total	95	97
2	Manufacturing, total	119	120
15009	Mfr. of food, beverages and tobacco	105	104
151000	Production, etc. of meat and meat products	110	109
155200	Mfr. of dairy products	120	110
158909	Mfr. of other food products	104	106
159000	Mfr. of beverages	82	78
160000	Mfr. of tobacco products	91	87
17009	Mfr. of textiles, clothing and leather	105	95
170000	Mfr. of textile	116	105
180000	Mfr. of clothing	88	83
190000	Mfr. of leather, footwear and leather products	108	88
20000	Mfr. of wood and wood products	122	109
21009	Mfr. of paper products; printing and publishing	116	115
210000	Mfr. of pulp, paper and paper products	96	94
221200	Publishing of newspapers	98	95
221309	Publishing activities, excl. newspapers	149	145
222009	Printing activities, etc.	117	120
23000	Mfr. of refined petroleum products, etc.	95	96
24000	Mfr. of chemicals, man-made fibres, etc.	162	176
241009	Mfr. of chemical raw materials	104	104
243009	Mfr. of paints, soap, cosmetics, etc.	122	122
244000	Mfr. of pharmaceuticals, etc.	216	243
25000	Mfr. of rubber and plastic products	117	119
26000	Mfr. of other non-metallic mineral, etc.	115	111
261009	Mfr. of glass and ceramic goods, etc.	119	114
263009	Mfr. of bricks, cement and concrete	113	111
27009	Mfr. and processing of basic metals	119	117
29000	Mfr. of machines and equipment, n.e.s.	105	109
30009	Mfr. of electrical and optical equipment	160	168
35009	Mfr. of transport equipment	85	89
351000	Building and repairing of ships and boats	55	59
352009	Mfr. of transport equipment, excl. ships	123	127
36000	Mfr. of furniture; manufacturing n.e.s.	111	115
361000	Mfr. of furniture	122	114
365009	Mfr. of toys, gold and silver articles, etc.	83	116