

11

Industry

- Industrial sector turnover increased by 25% between 2000 and 2006.
- Gross value added for industrial enterprises increased by 17% between 2000 and 2006.
- In 2006 there were 4,620 industrial enterprises employing 233,000 people, with a total turnover of just over €125bn.
- In 2006 54% of the total turnover of industrial enterprises was accounted for by those employing over 500 people, a drop of 2% on 2005.
- The greatest increase in the volume of industrial production (with price changes eliminated) between 2000 and 2008 occurred in the NACE 22 Publishing, printing and reproduction of recorded media sector (145%).

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Introduction

This chapter contains information on the industrial sector. The data is drawn from the annual Census of Industrial Production (CIP) and the various short-term industrial releases of the CSO. The information is broken down by sector using the standard EU-wide NACE Rev.1.1 classification.

Industrial statistics are compiled by the CSO using inquiries to industrial firms. The most detailed inquiry is the CIP which is an annual census of such firms designed to provide information on the structure of industry. The CIP covers firms with 3 or more persons engaged and consists of two separate but closely related inquiries, one covering enterprises and the other covering local units.

Table 11.1 shows the main trading aggregates for industrial enterprises over the period 2000-2006.

Table 11.2 provides the main aggregates for enterprises in each industrial sector for 2006 while Table 11.3 provides main aggregates for local units by county.

To allow for short-term analysis of industry between censuses there are a number of less detailed monthly or quarterly inquiries which track the intra-year trend in some of the major CIP aggregates such as turnover, stock changes and capital acquisitions. In addition a short-term inquiry measures the change in volume terms (ie eliminating price changes) of industrial output. The data on wages, salaries and on employment in industry are tracked on a short-term basis by a CSO inquiry – see Chapter 17.

Table 11.4 shows information by sector on the trend in the volume of production in industry over the most recent full six years. This is based on a monthly inquiry to firms covered in the CIP. It is confined to firms with 20 or more persons engaged (for certain sectors the threshold is lowered) and reflects very closely production trends in the entire sector. The effect of price changes is eliminated from the data to reflect the underlying volume changes.

Table 11.5 shows annual volume indices of production broken down by the 'Modern' and 'Traditional' (All Other) sectors since 2000.

Tables 11.6 and 11.7 show the changes in stocks and capital acquisitions in the industrial sector from the Quarterly Accounts Inquiry to Industry survey. This survey covers industrial firms with 20 or more persons engaged.

The results

From table 11.1 for the 7 year period 2000 to 2006 there has been an increase in turnover of 25%. This increase is reflected in increased exports. Table 11.2 shows that, in terms of turnover value, the electrical (including computers) and optical equipment, chemicals, and food products and beverages sectors predominate. In 2006 they accounted for approximately 26%, 23% and 19% of total turnover respectively. These sectors between them accounted for 52% of total industrial employment.

Table 11.4 shows that in volume terms (ie eliminating price changes) the volume of industrial production increased by 15% between 2003 and 2008. For particular sectors the volume increase was much greater, volume increased by 99% in the Publishing, printing and reproduction of recorded media and volume in the Medical, precision optical instruments, watches and clocks sector increased by 30%. There was a fall of 42% in the Textile and textile products over the same period.

Looking at the categorisation of production by main use, the production of intermediate products showed an 11% decrease and capital goods was up by 26%. The increase in the volume of consumer goods was 49%.

Table 11.5 compares the situation in 'Modern' and 'Traditional' (All Other) sectors. The 'Modern' sector comprises a number of high-technology and chemical sectors. There has been a 64% increase in production in the 'Modern' sector between 2000 and 2008. This contrasts with growth of about 6% in the 'Traditional' (All Other) sectors.

Table 11.6 shows that the value of stocks held in all industries increased by €314m in the year 2008. The highest increase of €179.9m was recorded in NACE 15 (food products and beverages) closely followed by NACE 24 (chemical products) with an increase of €169m. There were decreases in stock levels in a number of sectors including NACE 36, 37, 23 & 16 (other manufacturing), NACE 32 (communication equipment) and NACE 31 (other electrical equipment).

From table 11.7 the total capital acquisition figures show expenditure of €4,980.2m in the year 2008. The acquisitions are widely spread across the industrial sectors with the highest capital acquisition of €1,442.6m occurring in NACE 24 (chemical products). Other sectors to show significant capital acquisitions include NACE 40 (electricity and gas supply) with €1,307.8m and NACE 15 (food products and beverages) with €516.1m.

Technical Notes

Enterprise

An enterprise is the smallest combination of legal units that is an organisational unit producing goods and services, which benefits from a certain degree of autonomy in decision-making, especially for the allocation of its current resources. In practice it is equivalent to a company or firm.

Local unit

A local unit is defined as an enterprise or part thereof situated in a geographically identified place. The different geographical locations in which an enterprise conducts industrial activities are treated as separate local units.

Turnover

Turnover comprises the net selling value of goods manufactured by an enterprise, of industrial services provided for others, of goods resold without further processing and other minor miscellaneous items.

Gross value added

This is defined as production value less intermediate consumption.

Tables 11.2, 11.4, 11.6 and 11.7

NACE 16 which was grouped with NACE 15 in previous years is now grouped with NACE 36, 37 and 23 to protect confidentiality.

Table 11.5

All industries covers NACE 1-4.

The 'Modern' sector consists of the following industrial sectors:
NACE 223 Reproduction of recorded media
NACE 24 Chemicals (incl man-made fibres)
NACE 30,33 Computers and instrument engineering
NACE 31,32 Electrical machinery and equipment.

Industry

Table 11.1 Main aggregates for enterprises in all industries

	Unit	2000	2001	2002	2003	2004	2005	2006
Number of enterprises	No.	4,873	4,870	4,996	4,995	4,684	4,418	4,620
Persons engaged	No.	268,634	264,198	253,842	244,237	235,489	230,984	233,298
Males	No.	181,815	179,527	174,170	168,662	162,406	160,461	163,274
Females	No.	86,819	84,671	79,672	75,523	73,083	70,523	70,064
Turnover	€m	100,296	105,720	107,766	109,308	112,373	119,428	125,270
<i>of which exports</i>		74,200	79,317	81,530	83,306	86,552	91,587	93,735
Purchases	€m	67,985	70,259	68,372	67,827	70,545	81,758	87,872
Material and fuels	€m	37,162	38,579	36,462	34,786	35,460	38,885	42,843
Services and goods for factoring	€m	30,823	31,681	31,910	33,041	35,085	42,873	45,026
Gross value added	€m	33,883	35,713	39,841	38,518	39,062	38,835	39,658
Labour costs	€m	8,282	8,929	9,185	9,501	9,607	9,981	10,651
Wages and salaries	€m	6,921	7,367	7,595	7,760	7,848	8,171	8,705
Other labour costs	€m	1,362	1,562	1,590	1,741	1,759	1,811	1,946
Stocks at end of year	€m	8,339	7,891	7,821	7,966	7,823	8,132	8,949
Increase during year	€m	1,229	-35	12	391	344	318	1,085
Additions to capital assets during year	€m	4,184	4,691	5,143	3,675	4,877	5,553	5,138

Source: CSO

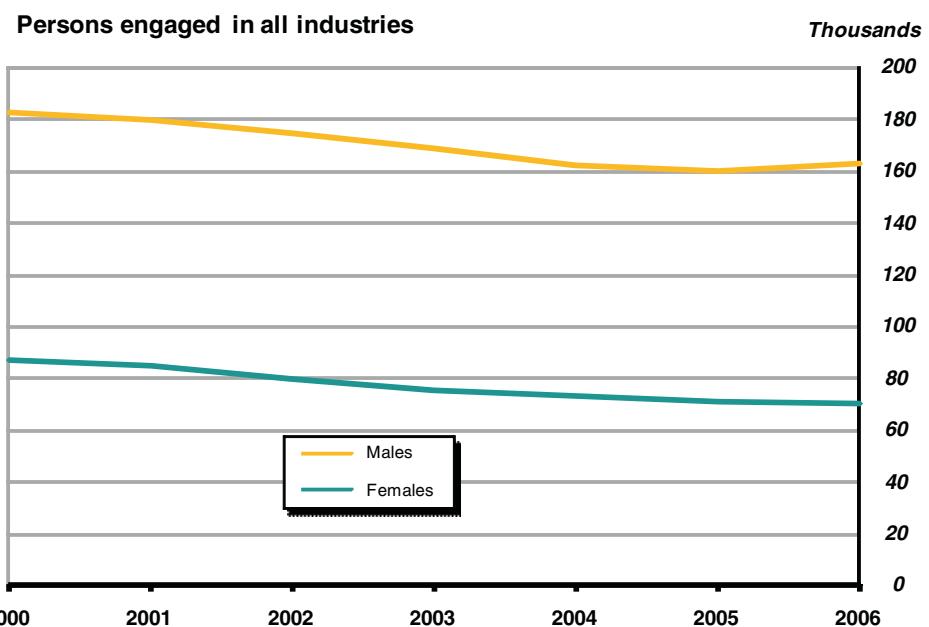


Table 11.2 Main aggregates for enterprises in each industrial sector, 2006

Industrial sector	NACE code	Number of enterprises	Turnover	Gross value added	Labour costs	Number of persons engaged
			€m	€m	€m	
Mining and quarrying	10-14	120	2,371	1,186	326	6,198
Manufacture of food products and beverages	15	568	23,281	6,907	1,791	41,781
Textiles and textile products	17-18	216	523	118	122	4,293
Textiles	17	152	345	144	84	2,858
Wearing apparel; dressing and dyeing of fur	18	64	178	-26	38	1,435
Leather and leather products	19	19	44	17	8	274
Wood and wood products	20	296	1,263	393	232	6,968
Pulp, paper and paper products; publishing and printing	21-22	614	16,361	4,357	962	18,740
Manufacture of pulp, paper and paper products	21	102	600	186	149	3,381
Publishing, printing and reproduction of recorded media	22	512	15,761	4,171	812	15,359
Chemicals, chemical products and man-made fibres	24	188	29,024	11,986	1,464	24,431
Rubber and plastic products	25	276	1,638	575	364	10,126
Other non-metallic mineral products	26	301	2,636	1,067	471	11,042
Basic metals and fabricated metal products	27-28	660	2,539	861	589	15,697
Basic metals	27	91	650	143	111	2,455
Fabricated metal products, except machinery and equipment	28	569	1,889	718	478	13,242
Machinery and equipment, not elsewhere classified	29	280	2,339	966	448	11,568
Electrical and optical equipment	30-33	351	32,797	7,710	2,326	54,902
Manufacture of office machinery and computers	30	39	19,198	1,427	551	12,864
Manufacture of electrical machinery and apparatus not elsewhere classified	31	143	2,837	807	309	7,574
Manufacture of radio, television and communication equipment and apparatus	32	39	4,336	2,670	401	8,513
Medical, precision and optical instruments, watches and clocks	33	130	6,426	2,806	1,064	25,951
Transport equipment	34-35	101	1,207	431	317	7,662
Manufacture of motor vehicles, trailers and semi-trailers	34	58	739	210	130	3,863
Manufacture of other transport equipment	35	43	468	221	187	3,799
Manufacturing nec; recycling; manufacture of coke, refined petroleum products and nuclear fuel; manufacture of tobacco products	36-37, 23, 16	542	3,775	1,176	396	10,600
Manufacturing nec; petroleum products and nuclear fuel; and tobacco products	36,23 & 16	506	3,650	1,143	381	10,107
Recycling	37	36	125	33	16	493
Electricity, gas, steam and hot water supply	40	70	5,472	1,909	834	9,016
All industries	1-4	4,620	125,270	39,658	10,651	233,298
Transportable goods industries	1-3	4,550	119,799	37,749	9,816	224,282
Manufacturing industries	15-37	4,430	117,428	36,562	9,490	218,084

Source: CSO

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Table 11.3 Main aggregates for industrial local units by county, 2006

Region	No. of units	Total engaged	Wages and salaries	Gross output	Industrial inputs
				No.	€m
Border					
Cavan	98	4,659	141,729	1,571,672	1,222,345
Donegal	198	5,767	144,986	908,148	538,799
Leitrim	36	921	26,427	152,853	81,749
Louth	175	6,758	230,711	3,631,968	920,164
Monaghan	120	4,845	129,830	1,081,057	719,829
Sligo	65	3,558	112,667	765,296	332,155
Midland					
Laois	81	1,784	55,239	389,936	282,457
Longford	60	2,586	81,922	600,809	358,235
Offaly	90	4,915	171,272	703,104	409,338
Westmeath	103	3,733	112,502	722,149	369,981
West					
Galway	271	16,031	510,177	2,675,620	1,194,304
Mayo	143	6,087	195,648	2,524,266	503,944
Roscommon	57	2,698	85,355	590,236	435,795
Dublin					
Dublin	661	23,067	930,127	5,941,195	2,667,420
Dun Laoghaire-Rathdown	102	3,915	189,241	11,346,710	1,454,524
Fingal	183	11,165	460,261	8,678,624	3,041,645
South Dublin	245	9,388	380,945	2,390,508	1,147,287
Mid-East					
Kildare	202	14,799	570,128	6,770,287	2,048,888
Meath	185	6,047	200,510	1,382,130	719,738
Wicklow	155	6,421	210,851	1,419,257	674,179
Mid-West					
Clare	163	7,433	278,529	1,597,893	712,564
Limerick	208	14,365	599,320	14,087,151	11,573,950
North Tipperary	89	4,516	154,586	1,045,243	668,559
South-East					
Carlow	76	2,838	93,267	411,288	231,181
Kilkenny	124	3,036	110,402	955,525	627,402
South Tipperary	91	5,559	201,370	2,873,607	1,294,856
Waterford	151	10,687	367,318	2,070,191	975,106
Wexford	178	5,581	154,194	1,261,821	667,033
South-West					
Cork	606	32,284	1,269,990	31,160,223	8,607,493
Kerry	142	4,725	153,901	1,322,524	473,905
Non-Attributable	24	7,706	548,911	3,943,298	1,813,441
All industries	5,082	237,875	8,872,315	115,024,588	46,768,265

Source: CSO

Table 11.4 Volume indices of production for industrial sectors

Base year 2000=100

Industrial sector	NACE code	2003	2004	2005	2006	2007	2008
Mining and quarrying	10-14	115.4	113.5	112.8	123.3	128.2	116.3
Food products and beverages and tobacco	15 - 16	114.9	120.6	122.2	#	#	#
Food products and beverages	15	116.4	123.7	126.1	127.7	129.8	124.0
Tobacco products	16	86.4	61.4	49.1	#	#	#
Textiles and textile products	17-18	65.6	65.1	56.0	46.0	39.9	38.0
Textiles	17	69.6	65.1	55.1	53.1	51.6	51.0
Wearing apparel; dressing and dyeing of fur	18	60.1	65.0	57.2	36.4	23.9	20.0
Leather and leather products	19	55.5	36.4	19.4	16.8	28.8	29.7
Wood and wood products	20	107.5	124.4	134.4	149.5	138.3	99.5
Pulp, paper and paper products; publishing, printing and reproduction of recorded media	21-22	119.2	145.5	158.1	178.2	217.0	227.9
Manufacture of pulp, paper and paper products	21	89.8	94.5	85.9	87.3	93.0	89.7
Publishing, printing and reproduction of recorded media	22	122.8	151.6	166.8	189.1	231.9	244.5
Chemicals, chemical products and man-made fibres	24	159.1	144.3	145.1	150.5	162.1	159.6
Rubber and plastic products	25	95.8	94.6	89.4	91.2	94.2	85.1
Other non-metallic mineral products	26	105.6	108.0	115.4	117.5	115.0	95.7
Basic metals and fabricated metal products	27-28	90.5	95.7	94.4	95.2	102.1	97.7
Basic metals	27	84.2	79.9	91.3	95.3	106.1	108.2
Fabricated metal products, except machinery and equipment	28	92.3	100.3	95.3	95.2	100.9	94.6
Machinery and equipment, not elsewhere classified	29	97.9	87.4	82.6	91.4	99.1	94.5
Electrical and optical equipment	30-33	109.1	116.2	125.1	134.8	140.3	139.4
Office machinery and computers	30	92.7	105.9	113.5	121.6	128.2	133.3
Electrical machinery and apparatus, not elsewhere classified	31	128.7	144.3	153.8	175.8	171.5	167.8
Radio, television and communication equipment and apparatus	32	76.8	78.2	80.5	92.8	96.6	85.0
Medical, precision and optical instruments, watches and clocks	33	165.0	170.2	190.8	189.9	203.1	215.4
Transport equipment	34-35	88.6	92.5	91.8	92.0	102.5	110.7
Manufacturing not elsewhere classified; recycling; refined petroleum products	36,37, & 23	72.1	71.9	75.8	#	#	#
Manufacturing not elsewhere classified; recycling; refined petroleum products and tobacco products	36,37, 23&16	#	#	#	66.9	70.7	64.7
Manufacturing industries	15-37	123.9	124.4	128.2	134.9	145.0	142.8
Transportable goods industries	1-3	123.8	124.2	128.0	134.9	144.8	142.5
of which Industries mainly or wholly producing							
Capital goods		117.8	126.4	135.2	138.1	145.9	148.6
Intermediate products		125.1	117.7	119.1	120.1	122.0	111.9
Consumer goods		122.9	132.6	136.8	153.7	176.7	182.6
Durable consumer goods		88.9	81.5	88.8	122.0	136.1	135.9
Non-durable consumer goods		127.0	138.9	142.6	157.5	181.6	188.3
Electricity, gas and water supply	40-41	113.2	117.8	119.7	120.5	124.4	129.2
All industries	1-4	123.3	123.9	127.6	134.0	143.7	141.8
of which Energy producing industries	10,11,12, 23,40&41	111.5	115.5	117.3	119.7	122.1	125.3

Source: CSO

Industry

Table 11.5 Volume indices of production for modern, traditional and all industries

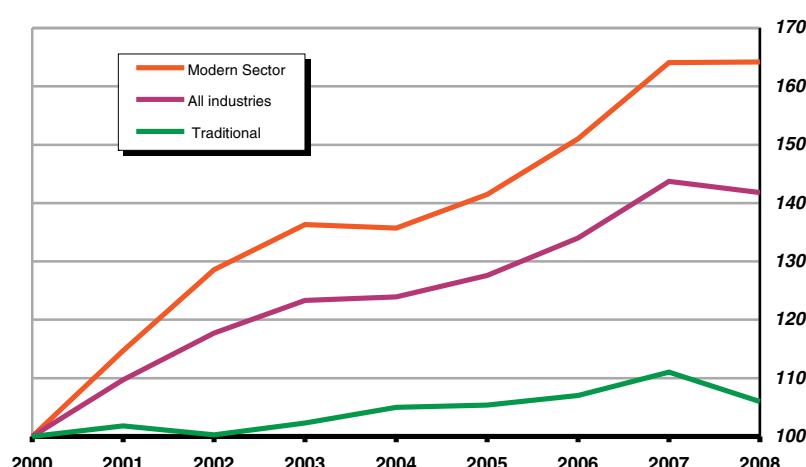
Base year 2000=100

Year	Modern sector		Traditional sector (All other sectors)		All industries	
	Index	Annual % change	Index	Annual % change	Index	Annual % change
2000	100.0		100.0		100.0	
2001	114.7	14.7%	101.8	1.8%	109.7	9.7%
2002	128.6	12.1%	100.3	-1.5%	117.7	7.3%
2003	136.3	6.0%	102.3	2.0%	123.3	4.8%
2004	135.7	-0.4%	105.0	2.6%	123.9	0.5%
2005	141.5	4.3%	105.4	0.4%	127.6	3.0%
2006	151.0	6.7%	107.0	1.5%	134.0	5.0%
2007	164.1	8.7%	111.0	3.7%	143.7	7.2%
2008	164.2	0.1%	106.0	-4.5%	141.8	-1.3%

Source: CSO

Volume indices of production

Base year
2000=100



Total stock changes in all industries

€m

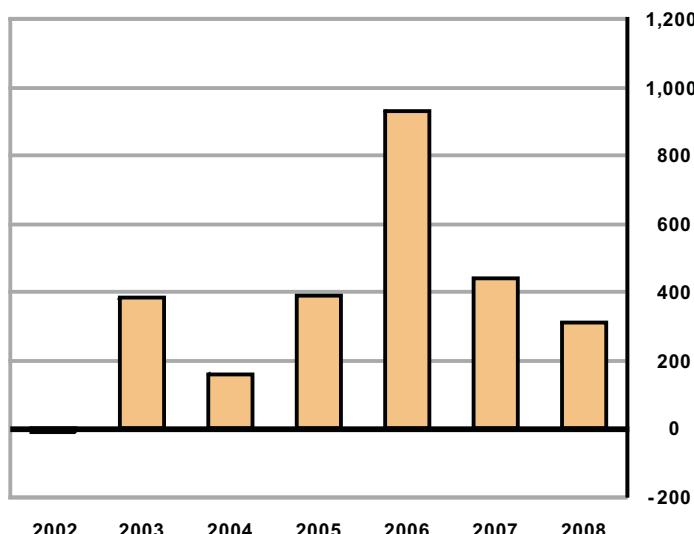


Table 11.6 Total stock changes in industry

Industrial sector	NACE code	Change in 2002	Change in 2003	Change in 2004	Change in 2005	Change in 2006	Change in 2007	Change in 2008	€m
Mining and quarrying	10-14	-9.4	9.4	15.1	16.1	1.3	12.0	-4.4	
Food products, beverages and tobacco	15-16	33.6	54.4	-22.1	#	#	#	#	
Food products and beverages	15	5.5	#	#	40.9	-4.9	174.6	179.9	
Tobacco products	16	28.1	#	#	#	#	#	#	
Textiles	17	-2.7	-10.9	-2.3	2.5	4.1	-3.9	-9.8	
Wearing apparel	18	-5.5	-5.2	0.5	-4.6	56.9	3.1	2.0	
Leather products	19	-2.5	0.5	1.1	1.5	1.0	-0.2	-0.2	
Wood and wood products	20	-1.4	15.2	31.0	18.8	-2.7	32.4	-22.1	
Paper and paper products	21	0.6	3.8	-2.8	-0.1	2.1	3.4	-3.4	
Publishing and printing	22	87.4	-44.2	-49.0	92.4	191.6	-191.5	55.5	
Chemical products	24	115.8	296.0	2.1	-190.1	484.7	481.6	169.0	
Rubber and plastic products	25	0.9	-1.7	5.9	11.4	15.2	15.4	-2.4	
Other non-metallic mineral products	26	-7.7	4.6	10.1	13.1	29.0	56.4	17.5	
Basic metals	27	-4.9	1.9	3.5	33.0	29.0	22.0	6.5	
Fabricated metals (excl machinery)	28	0.5	4.1	40.5	12.1	23.5	19.2	-10.2	
Machinery not elsewhere classified	29	-4.5	-11.0	27.9	18.2	50.4	19.2	-6.8	
Office machinery and computers	30	4.2	-57.7	-35.0	192.8	92.8	-252.7	20.4	
Other electrical equipment	31	20.1	-16.8	59.6	4.3	30.5	-26.3	-31.2	
Communication equipment	32	-154.2	-74.8	124.5	-6.9	34.8	-28.5	-39.9	
Medical and optical instruments	33	4.2	235.5	-77.0	21.3	44.8	57.1	1.8	
Motor vehicles	34	-7.8	12.3	21.2	5.6	-2.6	-4.7	47.3	
Other transport equipment	35	-23.7	-11.7	-3.1	9.4	9.3	-9.1	-6.7	
Other manufacturing	36-37,23	-46.5	-24.5	5.8	#	#	#	#	
Other manufacturing	36,37, 23&16	#	#	#	16.4	-84.5	49.4	-50.0	
Electricity and gas supply	40	-2.8	3.6	0.4	80.3	-76.5	9.7	1.4	
All industries	10-40	-6.3	382.8	157.9	388.5	929.7	438.7	314.0	
Transportable goods industries	10-37	-3.5	379.2	157.5	308.2	1,006.2	429.1	312.7	
Manufacturing industries	15-37	5.9	369.8	142.4	292.1	1,004.9	417.0	317.1	

Source: CSO

Industry

Table 11.7 Total capital acquisitions in industry

€m

Industrial sector	NACE code	2002	2003	2004	2005	2006	2007	2008
Mining and quarrying	10-14	185.7	149.8	120.3	145.1	224.2	255.0	236.4
Food products, beverages and tobacco products	15-16	489.1	488.9	501.9	#	#	#	#
Food products and beverages	15	472.5	#	#	490.9	453.6	457.7	516.1
Tobacco products	16	16.6	#	#	#	#	#	#
Textiles	17	12.0	10.7	5.2	24.2	15.3	13.4	29.8
Wearing apparel	18	3.1	4.9	6.0	3.0	4.3	2.5	3.9
Leather products	19	2.8	1.7	0.6	0.3	0.4	1.0	0.7
Wood and wood products	20	58.9	37.0	22.5	23.8	25.3	35.1	45.3
Paper and paper products	21	36.4	25.0	24.5	22.9	14.4	17.7	16.7
Publishing and printing	22	158.0	105.9	71.9	87.5	114.7	109.4	280.5
Chemical products	24	1,456.4	856.5	763.9	792.1	904.0	1,176.5	1,442.6
Rubber and plastic products	25	52.2	49.0	50.2	57.8	85.9	100.5	57.8
Other non-metallic mineral products	26	98.4	112.5	127.6	133.7	158.0	236.3	190.6
Basic metals	27	20.4	20.9	12.4	59.6	137.6	16.2	28.5
Fabricated metals (excl machinery)	28	56.1	48.9	33.5	39.9	44.4	64.6	37.1
Machinery not elsewhere classified	29	45.3	50.7	58.9	50.7	102.5	99.4	95.7
Office machinery and computers	30	193.1	148.9	123.8	123.9	70.0	52.7	46.0
Other electrical equipment	31	99.1	83.2	72.8	59.1	60.5	71.8	68.5
Communication equipment	32	726.7	146.9	905.1	1,347.0	628.8	49.8	60.0
Medical and optical instruments	33	259.0	185.4	235.2	290.5	240.5	385.4	361.9
Motor vehicles	34	30.4	29.0	31.7	20.3	23.8	24.3	16.0
Other transport equipment	35	34.5	18.0	41.3	55.4	32.0	131.6	70.5
Other manufacturing	36-37, 23	71.3	75.6	126.8	#	#	#	#
Other manufacturing	36,37, 23 & 16	#	#	#	56.3	60.0	67.0	68.0
Electricity and gas supply	40	1,045.7	1,017.3	1,183.9	989.0	1,103.3	1,125.3	1,307.8
All industries	10-40	5,134.6	3,666.7	4,520.0	4,872.9	4,503.3	4,493.1	4,980.2
Transportable goods industries	10-37	4,088.9	2,649.4	3,336.1	3,883.9	3,400.0	3,367.8	3,672.4
Manufacturing industries	15-37	3,903.2	2,499.6	3,215.8	3,738.9	3,175.7	3,112.8	3,436.0

Source: CSO

