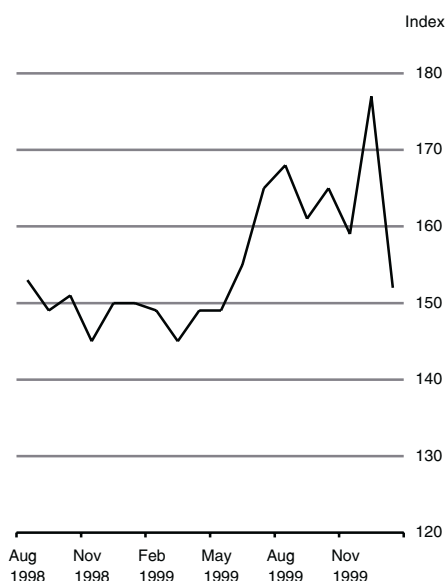




All Industries
Seasonally Adjusted



Industrial Production Index

November, December 1999 and January 2000

Industrial production indices – All Industries
(Base: year 1995=100)

Unadjusted		Unadjusted		Adjusted	
Jan 1999	150.8	Year 1998	142.3	Aug - Oct 1999	164.6
Jan 2000	152.7	Year 1999	157.2	Nov 1999 – Jan 2000	162.4
% change	+1.3%	% change	+10.5%	% change	-1.3%

Production up 10.5% in 1999

Industrial production rose by 10.5% in volume for the year 1999. For November and December 1999 the year-on-year increases were 10.0% and 17.7% respectively. For January 2000 the year-on-year increase dropped to 1.3%. This, taken in conjunction with the 17.7% increase for December, might reflect increased December production in anticipation of Y2K problems and the longer than usual January closures.

The seasonally adjusted data indicate that production for the three months ending January 2000 was 1.3% below that for the three months ended October 1999. (See Table 2.)

The unadjusted figures for November 1999 to January 2000, when compared with the same three month period in 1998/1999, show (*see Table 1*):

- ◆ Production increases were recorded of 14.0% for intermediate products, 13.2% for capital goods and 10.9% for consumer goods.
- ◆ The sharpest increase was in 'office machinery and computers', where production rose by 36.4% in the period.
- ◆ The sharpest decrease was in 'wearing apparel; dressing and dyeing of fur', where production fell by 27.9% in the period.

It is intended to publish monthly data for February, March and April 2000 by November.

For more information contact Eoin MacCuirc on 021-535504, John O'Sullivan on 021-535563 or Gerry Foley on 021-535562.

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Table 1 Volume Indices of Production for Industrial Sectors — November 1999

Base: Year 1995 = 100

Basic Year 1999 = 100															
			Weighting base	Index – Unadjusted						Index – Seasonally adjusted					
		November 1999			September – November 1999			November 1999			September – November 1999				
Industrial Sector	NACE Code	1995 Gross value added £m	Index	Annual % change		Index	Annual % change		Index	% change on preceding month		Index	% change on preceding 3 months		
Food products and beverages; tobacco products	15 – 16	2104.1	122.8	+	8.5	118.9	+	14.2	117.6	-	4.0	119.1	+	10.5	
Food products and beverages	15	2014.4	122.2	+	7.7	118.6	+	13.8	117.6	-	4.0	119.2	+	10.3	
Food products	151 – 158	1472.3	119.5	+	9.6	115.7	+	15.8	117.8	-	0.7	119.1	+	10.9	
Meat and meat products	151	282.5	106.0	-	10.3	104.8	-	1.8	92.3	-	1.3	93.6	-	13.1	
Dairy products	155	227.7	66.8	-	10.4	86.2	-	6.7	83.0	-	13.3	90.3	-	1.4	
Bread; fresh pastry goods and cakes; rusks and biscuits; preserved pastry goods and cakes	1581, 1582	102.9	93.7	-	16.9	102.4	-	15.3	97.2	-	2.6	98.4	-	7.7	
Sugar; cocoa; chocolate and sugar confectionery	1583, 1584	118.2	228.8	-	6.8	133.3	-	6.6	101.3	+	29.1	86.1	+	2.3	
Grain mill products, starches and starch products; prepared animal feeds	156, 157	108.0	99.5	-	23.7	93.7	-	17.2	91.9	-	9.1	98.3	-	1.0	
Other foods	152 – 154, 1585-1589	633.0	131.6	+	20.8	133.7	+	33.4	143.8	-	6.7	152.9	+	21.1	
Beverages	159	542.1	129.7	-	1.2	126.4	+	4.4	114.4	-	11.8	117.5	+	7.7	
Tobacco products	16	89.7	136.2	+	21.5	127.4	+	16.9	116.6	+	1.8	114.6	+	9.0	
Textiles and textile products	17 – 18	264.1	83.6	-	21.9	86.3	-	21.7	79.9	+	0.5	79.5	-	13.0	
Textiles	17	145.1	96.1	-	12.4	91.3	-	17.5	91.9	+	10.7	85.1	-	1.3	
Wearing apparel; dressing and dyeing of fur	18	119.0	68.4	-	34.1	80.2	-	26.8	66.0	-	13.6	73.6	-	22.3	
Leather and leather products	19	19.8	93.3	-	6.5	93.5	-	15.5	86.2	+	2.4	83.0	+	13.9	
Wood and wood products	20	77.4	173.5	+	13.6	178.4	+	14.8	161.6	-	2.8	164.5	-	6.9	
Pulp, paper and paper products; publishing, printing and reproduction of recorded media	21 – 22	1056.0	188.1	-	7.4	189.8	+	3.2	161.9	-	0.4	175.2	+	2.5	

Table 1 Volume Indices of Production for Industrial Sectors — November 1999 continued

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted						Index – Seasonally adjusted					
			November 1999			September – November 1999			November 1999			September – November 1999		
			Index	Annual % change		Index	Annual % change		Index	% change on preceding month		Index	% change on preceding 3 months	
Pulp, paper and paper products	21	164.6	109.7	-	8.8	106.7	-	8.6	101.9	+	0.6	102.2	-	3.9
Publishing, printing and reproduction of recorded media	22	891.4	202.6	-	6.9	205.1	+	4.7	172.7	-	0.5	188.6	+	2.7
Publishing; printing and service activities related to printing	221, 222	336.7	128.9	-	30.2	129.8	-	24.5	104.9	-	6.4	113.8	-	14.5
Reproduction of recorded media	223	554.7	247.4	+	4.1	250.8	+	18.3	211.1	+	0.8	232.0	+	7.7
Chemicals, chemical products and man-made fibres	24	2751.9	220.9	+	16.5	230.2	+	9.5	221.8	-	12.7	224.5	-	8.5
ω Basic chemicals	241	1469.5	265.1	+	22.1	282.1	+	16.9	269.5	-	19.7	277.3	-	9.0
Pharmaceuticals, medicinal chemicals and botanical products	244	647.0	201.1	+	12.9	201.8	+	1.8	205.0	+	8.8	198.1	-	12.3
Other chemicals and chemical products	242, 243, 245 – 247	635.4	138.8		0.0	139.0	-	8.3	136.0	-	2.2	134.8	+	2.5
Rubber and plastic products	25	270.1	104.4	+	8.8	104.4	+	8.9	97.3	-	4.8	98.5	-	2.9
Other non-metallic mineral products	26	311.9	135.1	+	16.2	135.1	+	3.1	138.3	+	3.0	131.7	+	8.3
Basic metals and fabricated metal products	27 – 28	307.9	120.9	+	5.1	120.5	+	6.4	117.3	-	6.5	116.7	+	1.0
Basic metals	27	63.9	88.0	-	0.8	94.2	+	10.3	87.4	-	23.3	97.7		0.0
Fabricated metal products, except machinery and equipment	28	244.0	129.5	+	6.0	127.3	+	5.1	124.5	-	2.8	121.3	+	0.8
Machinery and equipment, not elsewhere classified	29	417.5	107.1	-	8.9	102.0	-	9.5	99.0	+	8.6	97.1	-	1.3
Electrical and optical equipment	30 - 33	2710.3	194.2	+	19.9	187.1	+	14.4	179.5	+	0.6	184.2	-	0.2
Office machinery and computers	30	1571.5	178.9	+	36.0	170.8	+	18.2	159.4	-	4.4	167.1	-	0.9

Table 1 Volume Indices of Production for Industrial Sectors — November 1999 continued

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted						Index – Seasonally adjusted					
			November 1999			September – November 1999			November 1999			September – November 1999		
			Index	Annual % change		Index	Annual % change		Index	% change on preceding month		Index	% change on preceding 3 months	
Electrical machinery and apparatus, not elsewhere classified	31	413.2	219.0	-	5.0	214.1	+	3.4	188.3	+	0.1	197.5	-	12.9
Radio, television and communication equipment and apparatus	32	228.7	172.3	-	8.0	164.3	-	2.3	151.8	+	6.9	153.9	-	9.7
Medical, precision and optical instruments, watches and clocks	33	496.9	232.2	+	16.2	226.7	+	21.0	224.8	+	2.8	231.5	+	12.0
Transport equipment	34 – 35	210.2	186.8	+	17.3	166.2	+	7.4	175.6	+	11.8	159.6		0.0
Manufacturing not elsewhere classified; recycling; refined petroleum products	36, 37, 23	292.1	108.8	+	4.0	115.4	+	2.9	102.4	-	0.5	105.5	+	5.6
Manufacturing industries		10,793.3	171.6	+	10.2	171.3	+	9.2	163.6	-	3.6	166.2	-	1.0
Mining and quarrying	10 – 14	300.6	72.9	-	6.2	77.6	+	3.5	81.4	-	9.0	88.1	-	10.3
Transportable goods industries		11,093.8	168.9	+	10.0	168.7	+	9.2	161.0	-	4.0	164.1	-	0.7
of which: Industries mainly or wholly producing														
Capital goods		2,795.6	190.8	+	10.5	181.7	+	8.0	178.5	+	7.1	176.6	-	1.3
Intermediate products		4,627.9	184.6	+	15.6	191.3	+	9.9	188.0	-	9.1	188.5	-	0.3
Consumer goods		3,670.3	132.5	+	6.2	130.4	+	11.2	122.3	-	1.2	126.8	+	7.5
Of which: Durable consumer goods ¹		390.1	111.1			114.8								
Non-durable consumer goods ¹		3,280.2	135.0			132.3								
Electricity, gas and water supply	40 – 41	760.2	138.9	+	10.5	123.7	+	8.3	129.0	+	5.5	124.3	+	2.0
All industries		11,854.0	167.0	+	10.0	165.8	+	9.1	159.3	-	3.3	161.7	-	0.6
of which: Energy producing industries	10,11,12, 23, 40	911.4	120.8	+	8.3	108.7	+	6.9	119.8	+	6.6	115.6	+	3.3

¹ The breakdown between Durable and Non-durable consumer goods was only recently introduced

Table 1 Volume Indices of Production for Industrial Sectors — December 1999

Base: Year 1995 = 100

		Weighting base		Index – Unadjusted							Index – Seasonally adjusted					
			December 1999		Oct – Dec 1999		Year 1999			December 1999		Oct – Dec 1999				
Industrial Sector	NACE	1995														
	Code	Gross value added £m	Index	Annual % change	Index	Annual % change	Index	Annual % change			Index	% change on preceding month	Index	% change on preceding 3 months		
Food products and beverages; tobacco products	15 – 16	2104.1	122.9	+ 22.0	123.6	+ 18.2	114.3	+ 4.9			139.1	+ 18.2	126.1	+ 14.4		
Food products and beverages	15	2014.4	123.6	+ 21.5	123.6	+ 17.8	114.8	+ 4.6			140.1	+ 19.1	126.4	+ 14.5		
Food products	151 – 158	1472.3	127.1	+ 26.6	121.9	+ 20.6	114.6	+ 6.0			145.5	+ 23.5	127.0	+ 14.8		
Meat and meat products	151	282.5	109.6	+ 3.0	108.3	- 0.6	103.9	+ 3.3			117.1	+ 26.8	100.7	- 0.8		
Dairy products	155	227.7	50.4	- 4.4	70.4	- 6.1	91.7	- 1.1			80.8	- 2.7	86.4	- 6.4		
Bread; fresh pastry goods and cakes; rusks and biscuits; preserved pastry goods and cakes	1581, 1582	102.9	97.1	- 16.3	100.1	- 16.2	109.0	- 6.0			100.1	+ 2.9	99.0	- 1.8		
Sugar; cocoa; chocolate and sugar confectionery	1583, 1584	118.2	242.8	+ 14.9	199.0	+ 0.3	92.3	- 3.0			110.7	+ 9.3	97.0	+ 21.9		
Grain mill products, starches and starch products; prepared animal feeds	156, 157	108.0	110.1	- 9.3	102.4	- 15.2	107.1	- 3.6			104.6	+ 13.7	99.0	+ 0.6		
Other foods	152 – 154, 1585-1589	633.0	148.6	+ 40.1	139.0	+ 37.5	114.9	+ 11.3			193.5	+ 34.5	163.2	+ 19.2		
Beverages	159	542.1	114.0	+ 7.2	128.0	+ 6.6	135.7	- 1.0			125.9	+ 10.1	123.0	+ 12.8		
Tobacco products	16	89.7	109.2	+ 34.8	124.9	+ 22.6	104.7	+ 9.3			118.8	+ 1.8	116.7	+ 8.4		
Textiles and textile products	17 – 18	264.1	80.8	- 5.9	84.0	- 17.9	90.6	- 11.7			96.6	+ 20.8	85.2	- 2.7		
Textiles	17	145.1	81.3	- 7.6	89.3	- 13.6	90.2	- 13.1			96.7	+ 5.3	90.6	+ 8.2		
Wearing apparel; dressing and dyeing of fur	18	119.0	80.2	- 3.6	77.6	- 23.1	91.1	- 9.8			97.5	+ 47.6	79.5	- 10.9		
Leather and leather products	19	19.8	70.9	- 12.3	86.2	- 15.5	83.2	- 14.0			83.7	- 3.0	84.8	+ 19.9		
Wood and wood products	20	77.4	150.6	+ 16.7	169.7	+ 15.7	170.8	+ 10.5			175.1	+ 8.4	167.5	- 4.6		
Pulp, paper and paper products; publishing, printing and reproduction of recorded media	21 – 22	1056.0	299.8	+ 53.2	223.1	+ 13.5	180.4	+ 9.2			258.0	+ 59.3	193.1	+ 4.8		

Table 1 Volume Indices of Production for Industrial Sectors — December 1999 continued

Base: Year 1995 = 100

Base: Year 1995 = 100																	
Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted									Index–Seasonally adjusted					
			December 1999			Oct – Dec 1999			Year 1999			December 1999		Oct – Dec 1999			
			Index	Annual % change		Index	Annual % change		Index	Annual % change		Index	% change on Preceding month		Index	% change on preceding 3 months	
Pulp, paper and paper products	21	164.6	97.0	-	1.5	104.2	-	6.5	104.4	-	3.5	105.2	+	3.2	102.8	-	3.3
Publishing, printing and reproduction of recorded media	22	891.4	337.2	+	58.9	245.0	+	16.1	194.3	+	10.9	283.6	+	64.2	208.8	+	4.8
Publishing; printing and service activities related to printing	221, 222	336.7	179.5	+	22.2	147.1	-	14.0	137.5	-	3.0	168.1	+	60.2	127.6	+	0.7
Reproduction of recorded media	223	554.7	432.9	+	79.6	304.4	+	30.8	227.8	+	18.3	352.8	+	67.2	256.3	+	5.6
Chemicals, chemical products and man-made fibres	24	2751.9	175.0	+	8.8	217.2	+	15.3	215.6	+	14.3	220.6	-	0.5	231.8	-	4.8
Basic chemicals	241	1469.5	193.0	+	4.5	264.1	+	22.3	256.9	+	19.4	234.5	-	13.0	279.5	-	7.1
Pharmaceuticals, medicinal chemicals and botanical products	244	647.0	195.6	+	29.3	195.0	+	10.0	200.2	+	12.2	242.1	+	18.1	211.6	-	7.7
Other chemicals and chemical products	242, 243, 245 – 247	635.4	112.2	-	3.4	131.2	-	4.0	136.3	-	1.9	139.0	+	2.3	138.0	+	7.0
Rubber and plastic products	25	270.1	89.9	+	17.9	100.9	+	12.1	96.2	+	1.2	103.2	+	6.1	100.7	+	0.5
Other non-metallic mineral products	26	311.9	110.4	+	2.9	129.7	+	7.3	123.7	+	2.6	121.0	-	12.5	131.4	+	7.9
Basic metals and fabricated metal products	27 – 28	307.9	132.2	+	36.3	127.9	+	17.7	114.7	+	4.3	146.7	+	25.1	129.4	+	14.0
Basic metals	27	63.9	98.8	+	25.0	99.4	+	16.8	91.9	+	1.8	100.0	+	14.3	100.0	-	0.1
Fabricated metal products, except machinery and equipment	28	244.0	140.9	+	38.8	135.4	+	17.8	120.5	+	4.7	159.9	+	28.5	137.1	+	17.1
Machinery and equipment, not elsewhere classified	29	417.5	105.6	-	4.5	102.7	-	9.7	100.9	-	6.3	105.6	+	6.6	98.6	-	0.9
Electrical and optical equipment	30 - 33	2710.3	212.9	+	20.8	196.6	+	14.1	175.0	+	15.7	193.2	+	7.6	183.5	-	2.5
Office machinery and computers	30	1571.5	216.1	+	37.2	187.9	+	23.9	160.8	+	19.4	197.2	+	23.7	174.0	+	0.8

Table 1 Volume Indices of Production for Industrial Sectors — December 1999 continued

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted						Index – Seasonally adjusted					
			December 1999		Oct – Dec 1999		Year 1999		December 1999		Oct – Dec 1999			
			Index	Annual % change	Index	Annual % change	Index	Annual % change	Index	% change On Preceding Month	Index	% change on preceding 3 months		
Electrical machinery and apparatus, not elsewhere classified	31	413.2	186.6	- 19.5	206.6	- 8.4	200.7	+ 6.4	155.5	- 17.4	177.6	- 19.9		
Radio, television and communication equipment and apparatus	32	228.7	219.6	+ 15.9	182.7	- 0.5	162.1	+ 4.6	181.9	+ 19.8	158.4	- 2.0		
Medical, precision and optical instruments, watches and clocks	33	496.9	221.6	+ 21.2	222.0	+ 17.2	202.9	+ 18.0	226.3	+ 0.7	223.3	0.0		
Transport equipment	34 – 35	210.2	170.8	+ 0.3	173.6	+ 8.1	160.4	+ 6.0	159.4	- 9.2	164.4	+ 4.4		
Manufacturing not elsewhere classified; recycling; refined petroleum products	36, 37, 23	292.1	108.1	+ 18.6	110.9	+ 6.3	104.2	- 1.5	120.2	+ 17.3	108.3	+ 4.3		
Manufacturing industries		10,793.3	174.1	+ 17.5	174.4	+ 12.1	161.5	+ 10.5	181.7	+ 11.1	171.4	+ 0.8		
Mining and quarrying	10 – 14	300.6	82.4	+ 23.8	77.8	+ 6.3	92.7	+ 19.8	102.8	+ 26.3	90.9	- 4.6		
Transportable goods industries		11,093.8	171.6	+ 17.7	171.7	+ 12.1	159.6	+ 10.6	180.1	+ 11.8	169.3	+ 1.2		
of which: Industries mainly or wholly producing Capital goods		2,795.6	214.1	+ 16.5	193.9	+ 8.3	172.7	+ 11.3	188.3	+ 5.5	177.8	- 1.6		
Intermediate products		4,627.9	173.3	+ 27.5	188.6	+ 19.5	179.7	+ 12.9	214.2	+ 13.9	202.5	+ 6.4		
Consumer goods		3,670.3	137.1	+ 26.1	133.5	+ 14.7	123.2	+ 6.2	151.4	+ 23.7	132.2	+ 8.1		
Of which: Durable consumer goods ¹		390.1	109.3		109.2									
Non-durable consumer goods ¹		3,280.2	140.4		136.4									
Electricity, gas and water supply	40 – 41	760.2	149.0	+ 17.5	136.5	+ 11.9	122.9	+ 8.5	134.9	+ 4.6	128.7	+ 5.3		
All industries		11,854.0	170.2	+ 17.7	169.5	+ 12.1	157.2	+ 10.5	176.5	+ 10.8	166.6	+ 1.2		
of which: Energy producing industries	10,11,12, 23, 40	911.4	132.4	+ 18.2	119.7	+ 10.4	114.9	+ 10.2	127.6	+ 6.5	119.9	+ 6.7		

¹ The breakdown between Durable and Non-durable consumer goods was only recently introduced

Table 1 Volume Indices of Production for Industrial Sectors — January 2000

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted						Index – Seasonally adjusted					
			January 2000			Nov 1999 – Jan 2000			January 2000			Nov 1999 – Jan 2000		
			Index	Annual % change		Index	Annual % change		Index	% change on preceding month		Index	% change on preceding 3 months	
Food products and beverages; tobacco products	15 – 16	2104.1	96.4	-	3.6	114.3	+	9.2	110.9	-	20.2	122.4	+	4.4
Food products and beverages	15	2014.4	96.4	-	4.4	114.3	+	8.4	112.1	-	20.0	123.1	+	4.8
Food products	151 – 158	1472.3	93.5	-	8.0	113.5	+	9.5	106.0	-	27.2	123.0	+	5.1
Meat and meat products	151	282.5	88.9	-	21.5	101.6	-	9.8	89.7	-	23.4	99.4	+	5.3
Dairy products	155	227.7	48.2	+	10.5	55.5	-	3.0	100.0	+	23.8	87.8	-	6.8
Bread; fresh pastry goods and cakes; rusks and biscuits; preserved pastry goods and cakes	1581, 1582	102.9	108.6	-	7.7	99.6	-	13.8	112.4	+	12.4	103.1	+	5.6
Sugar; cocoa; chocolate and sugar confectionery	1583, 1584	118.2	57.1	-	3.8	177.9	+	2.4	57.4	-	48.1	90.2	+	17.8
Grain mill products, starches and starch products; prepared animal feeds	156, 157	108.0	110.0	-	22.7	106.3	-	19.0	95.1	-	9.0	97.0	-	2.2
Other foods	152 – 154, 1585-1589	633.0	113.4	-	6.7	131.2	+	17.1	122.1	-	36.9	152.8	+	0.7
Beverages	159	542.1	104.3	+	7.6	116.5	+	4.2	126.6	+	0.6	122.0	+	5.9
Tobacco products	16	89.7	96.3	+	18.0	114.6	+	25.0	87.1	-	26.7	107.8	-	1.1
Textiles and textile products	17 – 18	264.1	73.2	-	30.0	79.4	-	19.9	79.4	-	17.8	85.1	+	1.7
Textiles	17	145.1	79.1	-	20.5	85.9	-	13.3	84.3	-	12.8	91.0	+	11.2
Wearing apparel; dressing and dyeing of fur	18	119.0	66.0	-	40.4	71.4	-	27.9	71.7	-	26.5	78.0	-	7.0
Leather and leather products	19	19.8	67.1	-	21.6	77.7	-	12.6	76.9	-	8.1	82.4	+	11.5
Wood and wood products	20	77.4	163.3	+	4.1	162.8	+	11.4	180.1	+	2.9	171.9	-	5.3
Pulp, paper and paper products; publishing, printing and reproduction of recorded media	21 – 22	1056.0	173.2	-	6.7	219.3	+	12.5	165.7	-	35.8	194.1	+	9.4

Table 1 Volume Indices of Production for Industrial Sectors – January 2000 continued

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted						Index – Seasonally adjusted					
			January 2000			Nov 1999 – Jan 2000			January 2000			Nov 1999 – Jan 2000		
			Index	Annual % change		Index	Annual % change		Index	% change on preceding month		Index	% change on preceding 3 months	
Pulp, paper and paper products	21	164.6	101.8	+	2.6	103.0	-	2.9	103.3	-	1.8	103.4	-	1.3
Publishing, printing and reproduction of recorded media	22	891.4	186.4	-	7.0	240.8	+	14.6	176.5	-	37.8	209.7	+	9.7
Publishing; printing and service activities related to printing	221, 222	336.7	117.0	-	6.3	141.4	-	7.3	119.1	-	29.1	129.9	+	5.4
Reproduction of recorded media	223	554.7	228.5	-	1.3	301.1	+	27.2	210.4	-	40.4	256.6	+	11.2
Chemicals, chemical products and man-made fibres	24	2751.9	176.9	-	9.7	191.9	+	5.5	174.8	-	20.8	206.3	-	13.8
Basic chemicals	241	1469.5	194.5	-	14.1	219.1	+	4.7	192.2	-	18.1	233.3	-	22.6
Pharmaceuticals, medicinal chemicals and botanical products	244	647.0	166.1	-	9.8	188.0	+	10.0	164.8	-	31.9	204.0	-	3.3
Other chemicals and chemical products	242, 243, 245 – 247	635.4	147.3	+	6.1	133.0	+	1.4	147.3	+	5.9	140.6	+	8.9
Rubber and plastic products	25	270.1	98.3	+	15.6	97.7	+	14.0	102.9	-	0.2	101.0	-	1.0
Other non-metallic mineral products	26	311.9	113.1	+	5.7	120.1	+	9.0	130.8	+	8.1	130.3	+	1.5
Basic metals and fabricated metal products	27 – 28	307.9	123.4	+	17.3	125.3	+	18.5	131.0	-	10.7	131.2	+	13.1
Basic metals	27	63.9	99.9	+	10.4	95.3	+	10.8	96.6	-	3.3	94.4	-	8.7
Fabricated metal products, except machinery and equipment	28	244.0	129.5	+	19.4	133.2	+	20.3	139.1	-	13.0	140.7	+	17.9
Machinery and equipment, not elsewhere classified	29	417.5	84.4	-	14.6	99.3	-	9.0	90.3	-	14.4	98.4	+	0.4
Electrical and optical equipment	30 - 33	2710.3	211.7	+	20.9	205.9	+	20.4	196.5	+	1.7	189.4	+	0.7
Office machinery and computers	30	1571.5	221.9	+	36.7	204.8	+	36.4	198.5	+	0.7	184.2	+	4.9

Table 1 Volume Indices of Production for Industrial Sectors — January 2000 continued

Base: Year 1995 = 100

Industrial Sector	NACE Code	Weighting base 1995 Gross value added £m	Index – Unadjusted				Index – Seasonally adjusted					
			January 2000		Nov 1999 - Jan 2000		January 2000			Nov 1999 – Jan 2000		
			Index	Annual % change	Index	Annual % change	Index	% change on preceding month		Index	% change on preceding 3 months	
Electrical machinery and apparatus, not elsewhere classified	31	413.2	200.5	- 10.1	202.6	- 11.4	186.4	+	19.9	177.1	- 14.6	
Radio, television and communication equipment and apparatus	32	228.7	138.3	- 23.8	176.6	- 5.1	127.6	-	29.9	153.7	- 1.0	
Medical, precision and optical instruments, watches and clocks	33	496.9	222.3	+ 32.5	225.6	+ 22.8	233.7	+	3.3	228.2	- 0.6	
Transport equipment	34 – 35	210.2	155.5	+ 2.6	171.5	+ 6.9	164.4	+	3.1	166.7	+ 9.6	
Manufacturing not elsewhere classified; recycling; refined petroleum products	36, 37, 23	292.1	111.0	+ 19.2	109.3	+ 13.5	124.9	+	3.9	115.4	+ 8.8	
Manufacturing industries		10,793.3	155.6	+ 0.8	167.3	+ 9.6	154.9	- 14.8		166.6	- 2.1	
Mining and quarrying	10 – 14	300.6	78.9	+ 14.6	77.9	+ 9.6	99.7	- 3.0		94.2	+ 9.2	
Transportable goods industries		11,093.8	153.5	+ 1.1	164.8	+ 9.6	153.5	- 14.7		164.8	- 1.6	
<i>of which:</i> Industries mainly or wholly producing												
Capital goods		2,795.6	204.4	+ 13.0	202.7	+ 13.2	192.3	+	2.1	186.1	+ 4.6	
Intermediate products		4,627.9	160.9	0.0	173.3	+ 14.0	165.0	-	23.0	189.0	- 2.1	
Consumer goods		3,670.3	105.5	+ 0.6	125.3	+ 10.9	121.3	-	19.8	131.4	+ 5.3	
<i>Of which:</i> Durable consumer goods ¹		390.1	110.6		110.3							
Non-durable consumer goods ¹		3,280.2	104.9		127.1							
Electricity, gas and water supply	40 – 41	760.2	140.4	+ 3.6	142.8	+ 10.4	124.9	- 7.4		129.6	+ 5.8	
All industries		11,854.0	152.7	+ 1.3	163.4	+ 9.7	151.8	- 14.0		162.4	- 1.3	
<i>of which:</i> Energy producing industries	10,11,12, 23, 40	911.4	124.7	+ 3.6	125.8	+ 9.8	119.1	-	6.6	122.1	+ 11.5	

¹ The breakdown between Durable and Non-durable consumer goods was only recently introduced

Table 2 Volume of Production Indices for Manufacturing and All Industries

(Base: Year 1995 = 100)

Period	Manufacturing Industries				All Industries			
	Unadjusted		Seasonally Adjusted		Unadjusted		Seasonally Adjusted	
	Index	Annual % change	Index	% Change on preceding period	Index	Annual % change	Index	% Change On Preceding Period
1996	108.0	8.0			107.5	7.5		
1997	125.6	16.3			123.4	14.8		
1998	146.2	16.4			142.3	15.3		
1999	161.5	10.5			157.2	10.5		
1997 Quarter 1	121.7	14.6	118.9	4.6	120.2	13.6	117.5	4.5
" 2	125.6	13.4	122.3	2.9	123.2	11.8	120.5	2.6
" 3	120.8	22.1	130.0	6.3	118.9	19.5	127.3	5.6
" 4	134.1	15.4	131.6	1.2	131.5	14.4	129.0	1.3
1998 Quarter 1	143.6	18.0	139.5	6.0	140.1	16.6	136.3	5.7
" 2	145.4	15.8	142.1	1.9	141.4	14.8	138.7	1.8
" 3	140.4	16.2	151.0	6.3	136.7	15.0	146.2	5.4
" 4	155.6	16.0	152.8	1.2	151.2	15.0	148.6	1.6
1999 Quarter 1	156.3	8.8	151.5	-0.9	152.5	8.9	147.9	-0.5
" 2	157.4	8.3	154.2	1.8	153.4	8.5	150.7	1.9
" 3	158.1	12.6	170.1	10.3	153.8	12.5	164.7	9.3
" 4	174.4	12.1	171.4	0.8	169.5	12.1	166.6	1.2
Aug – Oct 1999	164.0	8.9	170.1	6.0	158.9	8.8	164.6	5.2
Nov 99 – Jan 00	167.3	9.6	166.6	-2.1	163.4	9.7	162.4	-1.3
1998 January	134.9	13.5	135.0	3.2	132.2	12.5	132.1	3.4
February	142.4	26.2	142.5	5.6	138.9	24.1	138.9	5.1
March	153.4	14.1	141.2	-0.9	149.2	13.0	137.9	-0.7
April	144.8	16.8	142.2	0.7	140.7	16.0	139.0	0.8
May	143.3	16.5	142.1	-0.1	139.8	16.0	139.0	0.0
June	148.1	13.8	142.0	-0.1	143.6	12.1	138.0	-0.7
July	133.0	11.6	142.1	0.1	129.7	10.6	137.9	-0.1
August	136.1	21.7	159.0	11.9	133.3	19.6	153.0	10.9
September	152.2	16.4	152.9	-3.8	147.1	15.4	148.7	-2.8
October	162.8	19.7	155.5	1.7	157.4	18.4	151.2	1.7
November	155.7	10.7	148.4	-4.6	151.8	10.1	144.9	-4.2
December	148.1	17.7	154.4	4.0	144.6	16.6	149.6	3.2
1999 January	154.3	14.4	153.8	-0.4	150.8	14.1	150.1	0.3
February	153.3	7.6	153.1	-0.5	149.5	7.7	149.2	-0.6
March	161.0	4.9	148.0	-3.3	156.8	5.1	144.6	-3.1
April	154.6	6.7	152.0	2.7	150.0	6.6	148.5	2.7
May	152.6	6.6	152.1	0.1	148.9	6.5	148.8	0.2
June	164.9	11.4	158.4	4.1	161.0	12.1	154.7	4.0
July	159.1	19.6	169.8	7.2	155.3	19.8	165.1	6.7
August	149.9	10.1	175.1	3.1	146.3	9.7	167.9	1.7
September	165.1	8.5	165.8	-5.5	159.5	8.4	161.3	-4.2
October	177.7	9.1	169.7	2.4	171.6	9.0	164.8	2.2
November	171.6	10.2	163.6	-3.6	167.0	10.0	159.3	-3.3
December	174.1	17.5	181.7	11.1	170.2	17.7	176.5	10.8
2000 January	155.6	0.8	154.9	-14.8	152.7	1.3	151.8	-14.0

Background Notes

Introduction	The monthly industrial production index monitors current trends in the volume of production of industrial local units with three or more persons engaged. Previously indices were published to base 1985 = 100 and using the old Nace 70 industrial classification. Starting with this release, the indices are being published to base 1995 = 100 and using the NACE Rev. 1 classification. There are, therefore, fairly large discontinuities vis-à-vis the former series but estimates have been made for earlier periods to provide some degree of retrospection. The opportunity has been taken to incorporate other changes as described below.
Sample covered	The monthly survey which provides data for calculating the index covers the larger local units which between them account for the bulk of industrial output – in general those which in the base year 1995 had twenty or more persons engaged.
Methodology	Individual sub-indices are compiled for each detailed NACE class. Further details on how this is done will be published in a future issue of the Irish Statistical Bulletin. These sub-indices are combined to provide the indices for broader sectoral groupings, using as weights for a sector the gross value added at factor cost for all units in that sector covered in the 1995 Census of Industrial Production. In the old system the value of net output for all units in a sector was used as the weight. This change has been made to better reflect the relative contribution of each sector to the change in value added at constant prices which is the primary purpose of the index.
Seasonal Adjustment	The indices are adjusted using the multiplicative version of the X-11 Variant of the US Bureau of the Census Method II Seasonal Adjustment Program. This seasonal adjustment process is carried out once a year using the latest (currently up to and including July 1999) monthly production patterns available. Each index is independently seasonally adjusted i.e. the adjusted indices of groupings of sectors are not systematically derivable as weighted averages of their component parts.
Retrospection	To enable comparisons to be made with earlier periods efforts have been made to re-cast indices calculated under the previous system to take account of the changes between the old and new systems. It must be emphasised that the results of this exercise are of an approximate nature particularly at the sector level. Re-casting the indices prior to May 1999 calculated under the old system can give rise to some apparently anomalous effects; one particular consequence is that year-on-year changes will differ slightly from those previously published.
NACE classification	The descriptions of particular NACE Rev. 1 sectors are sometimes shown in abbreviated form in the release. Fuller descriptions are given in recent Census of Industrial Production publications. When making comparisons with data produced in previous monthly industrial production releases (classified by NACE 70) it should be noted that the content of NACE Rev. 1 sectors can be quite different from that of similarly-titled NACE 70 sectors.

Summary of main changes - Introduced from May 1999

	New system	Old system
• Activity classification	NACE Rev. 1	NACE 70
• Base year		
- Presentation base year	1995	1985
- Sample selection year	1995	1982
- Sectoral weights reference year	1995	1987
• Sectoral weights used	Gross value added	Net output
• Source of commodity list and prices	1995 PRODCOM inquiry	1982 Census of Industrial Production