

# Volume index of industrial output

2019, December

## Industrial output grew in December both from the previous month and from one year back

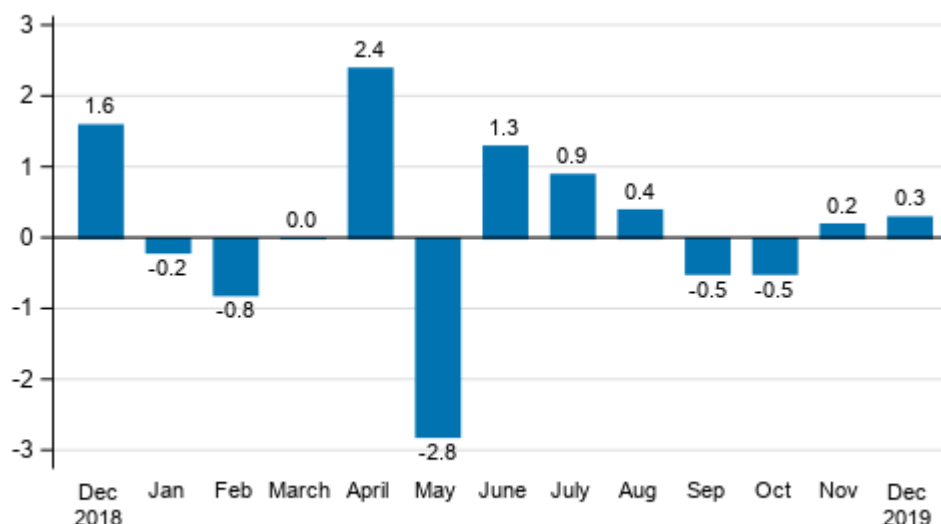
Seasonally adjusted industrial output (TOL BCD) grew by 0.3 per cent in December from the month before. According to Statistics Finland, industrial output adjusted for working days was 0.6 per cent higher in December 2019 compared to December 2018. Adjusted for working days, industrial output went up by 2.0 per cent in January to December from one year back.

### Trend and seasonally adjusted series of industrial output (BCD), 2007/01 to 2019/12



Source: Statistics Finland

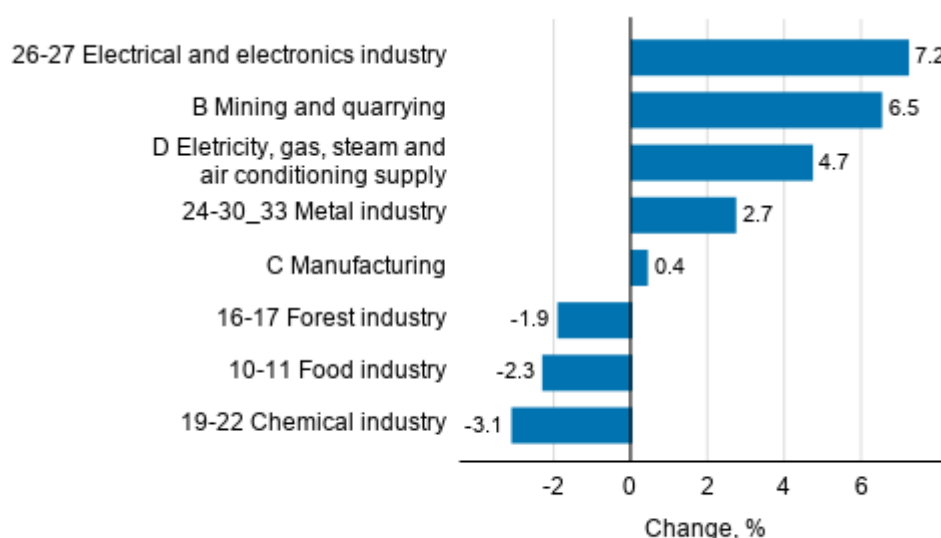
**Seasonally adjusted change in industrial output (BCD) from previous month, %, TOL 2008**



Source: Statistics Finland

Examined by main industry, seasonally adjusted industrial output grew in December most in the electrical and electronics industry, by 7.2 per cent, in mining and quarrying, by 6.5 per cent and in electricity, gas, steam and air conditioning supply, by 4.7 per cent. The decline in output was strongest in the chemical industry, down by 3.1 per cent from the month before. Industrial output also decreased in the food industry, by 2.3 per cent, and in the forest industry, by 1.9 per cent.

**Seasonal adjusted change in industrial output by industry, 11/2019 to 12/2019, %, TOL 2008**



Source: Statistics Finland

Revised data for December 2019 will be published at 8 am on 10 March 2020 in connection with the release of industrial output data for January 2020. The revision is influenced by the estimation used in the latest release, which is based on the Tax Administration's data on self-assessed taxes used for enterprises with fewer than 50 employees. Because of the method used, seasonally adjusted figures for previous

months may change even if the original figures do not become revised. The seasonally adjusted figures are also adjusted for working days.

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## Industrial output increased by 0.6 per cent year-on-year in December

According to Statistics Finland, output of total industries (BCD) adjusted for working days was 0.6 per cent higher in December 2019 compared to December 2018. Seasonally adjusted output grew by 0.3 per cent in December from November.

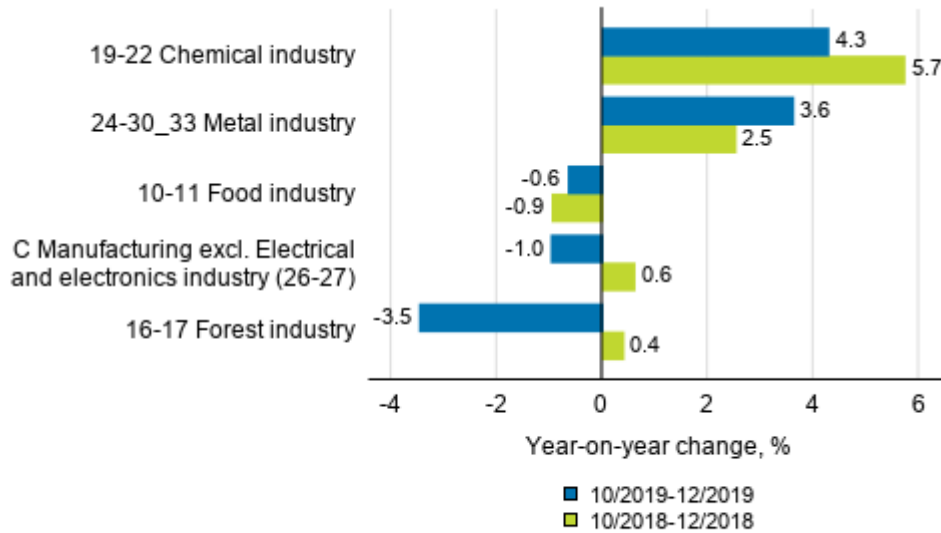
Adjusted for working days, industrial output (C) grew by 1.3 per cent in December from one year earlier. Seasonally adjusted output grew by 0.4 per cent in December from November.

**Table 1. Volume index of industrial output, value added, original, working day adjusted, seasonally adjusted change percentage**

Industry (Tol 2008)	Value added share	Original change percentage, 2019 DEC / 2018 DEC	Working day adj. change percentage, 2019 DEC / 2018 DEC	Seasonal adj. change percentage, 2019 DEC / 2019 NOV
B Mining and quarrying	2,4	1,2	1,2	6,5
BCD Total industries	100,0	2,9	0,6	0,3
C Manufacturing	86,7	3,8	1,3	0,4
10 Manufacture of food products	6,2	1,4	-2,2	-2,1
10-11 Food industry	7,2	0,6	-3,0	-2,3
11 Manufacture of beverages	1,1	-4,4	-7,7	-1,9
13 Manufacture of textiles	0,6	-1,5	-5,5	-8,2
13-15 Textile, clothing and leather industry	1,1	-4,4	-9,9	-7,0
14 Manufacture of wearing apparel	0,4	-7,9	-11,2	-0,8
15 Manufacture of leather and related products	0,2	-6,0	-12,6	-5,1
16 Manufacture of wood and of products of wood and cork, except furniture: Manufacture of articles of straw and plaiting materials	3,5	-9,3	-12,5	-2,2
16-17 Forest industry	13,3	-6,4	-7,3	-1,9
17 Manufacture of paper and paper products	9,7	-5,4	-5,4	-1,9
18 Printing and reproduction of recorded media	1,2	-5,4	-7,7	-0,1
19-22 Chemical industry	15,7	-9,7	-9,7	-3,1
23 Manufacture of other non-metallic mineral products	3,1	1,7	-1,9	3,1
24 Manufacture of basic metals	5,3	-16,1	-17,3	-8,8
24-30_33 Metal industry	43,4	11,1	8,1	2,7
25 Manufacture of fabricated metal products, except machinery and equipment	8,2	-18,2	-20,5	-8,0
26-27 Electrical and electronics industry	13,1	33,8	29,8	7,2
28 Manufacture of machinery and equipment n.e. .	10,4	18,3	15,0	10,1
29-30 Manufacture of transport equipment	2,8	9,9	5,2	6,2
31 Manufacture of furniture	1,0	10,8	6,0	2,5
32 Other manufacturing	0,7	-19,5	-22,8	-4,9
33 Repair and installation of machinery and equipment	3,7	1,7	-0,3	-3,8
C Manufacturing excl. Electrical and electronics industry (26-27)	73,6	-2,3	-4,4	-1,7
D Electricity, gas, steam and air conditioning supply	10,9	-3,4	-3,4	4,7
Investment goods	28,8	19,2	16,2	5,2
Durable goods	1,3	8,7	4,0	1,7
Raw materials and productive goods	42,2	-6,3	-7,9	-1,7
Other consumer goods	13,1	-11,2	-14,3	-6,3

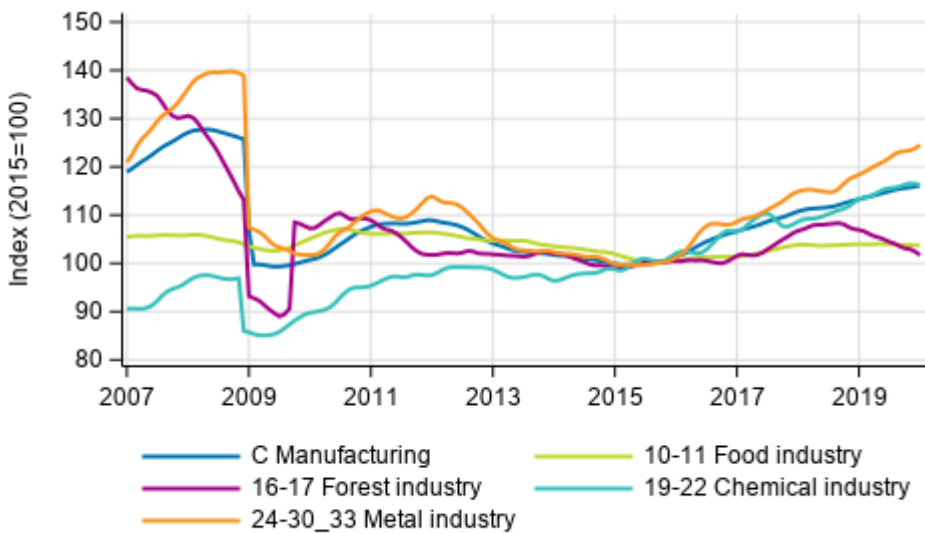
# Appendix figures

**Appendix figure 1. Three months' year-on-year change in manufacturing (C) sub-industries adjusted for working days (TOL 2008)**



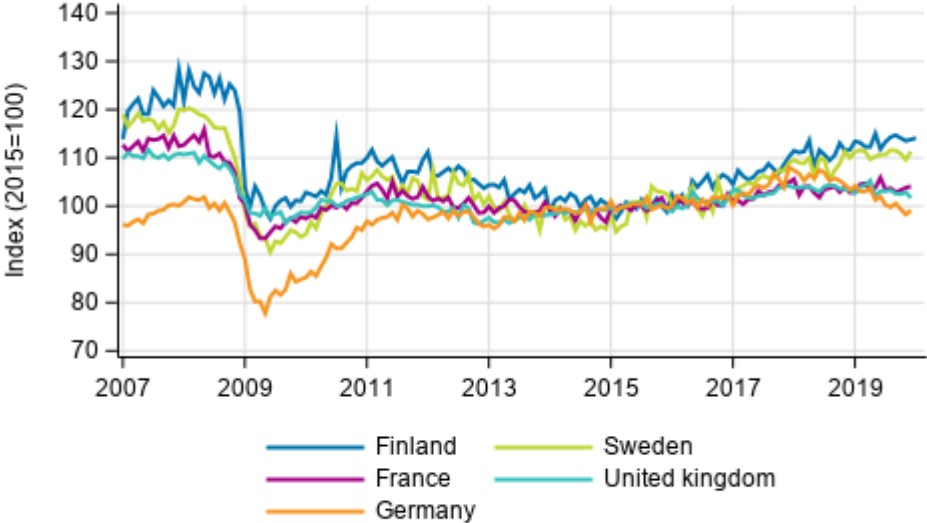
Source: Statistics Finland

**Appendix figure 2. Trend series of manufacturing sub-industries, 2007/01 to 2019/12, TOL 2008**



Source: Statistics Finland

**Appendix figure 3. Seasonally adjusted industrial output Finland, Germany, Sweden, France and United Kingdom (BCD) 2007 to 2019, TOL 2008**



Source: Statistics Finland



# Revisions in these statistics

## Revisions to data on annual changes in main industries

Main industries and Statistical reference month		Annual change (%)		Revision (%-point)
		1st release	Latest release (10.2.2020 )	
B Mining and quarrying	01/2019	18,1	18,0	-0,1
	02/2019	13,3	13,3	0,0
	03/2019	9,1	9,2	0,1
	04/2019	15,4	15,5	0,1
	05/2019	-49,6	-49,3	0,3
	06/2019	-42,7	-43,0	-0,3
	07/2019	-29,8	-27,6	2,2
	08/2019	-15,0	-14,5	0,5
	09/2019	-2,9	4,1	7,0
	10/2019	13,5	11,3	-2,2
	11/2019	-4,2	-3,7	0,5
BCD Total industries	01/2019	2,3	2,2	-0,1
	02/2019	0,8	0,7	-0,1
	03/2019	-0,5	-0,3	0,2
	04/2019	6,1	6,2	0,1
	05/2019	0,2	-0,3	-0,5
	06/2019	0,3	0,1	-0,2
	07/2019	6,1	6,8	0,7
	08/2019	2,1	1,8	-0,3
	09/2019	2,5	3,5	1,0
	10/2019	1,6	1,5	-0,1
	11/2019	1,4	-0,5	-1,9
C Manufacturing	01/2019	1,3	1,2	-0,1
	02/2019	1,7	1,6	-0,1
	03/2019	0,3	0,6	0,3
	04/2019	6,2	6,3	0,1
	05/2019	0,8	0,3	-0,5
	06/2019	1,0	0,7	-0,3
	07/2019	8,4	9,1	0,7
	08/2019	3,6	3,1	-0,5
	09/2019	3,6	4,4	0,8
	10/2019	1,6	1,5	-0,1
	11/2019	1,6	0,1	-1,5
D Electricity, gas, steam and air conditioning supply	01/2019	5,6	5,5	-0,1
	02/2019	-6,6	-6,7	-0,1
	03/2019	-7,7	-7,7	0,0
	04/2019	3,4	3,4	0,0
	05/2019	10,7	10,7	0,0
	06/2019	14,8	14,9	0,1
	07/2019	3,2	4,1	0,9
	08/2019	-4,7	-4,3	0,4
	09/2019	-7,1	-6,7	0,4
	10/2019	-1,0	-1,2	-0,2
	11/2019	0,2	-5,3	-5,5

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Source: Volume Index of Industrial Output 2019, December. Statistics Finland