

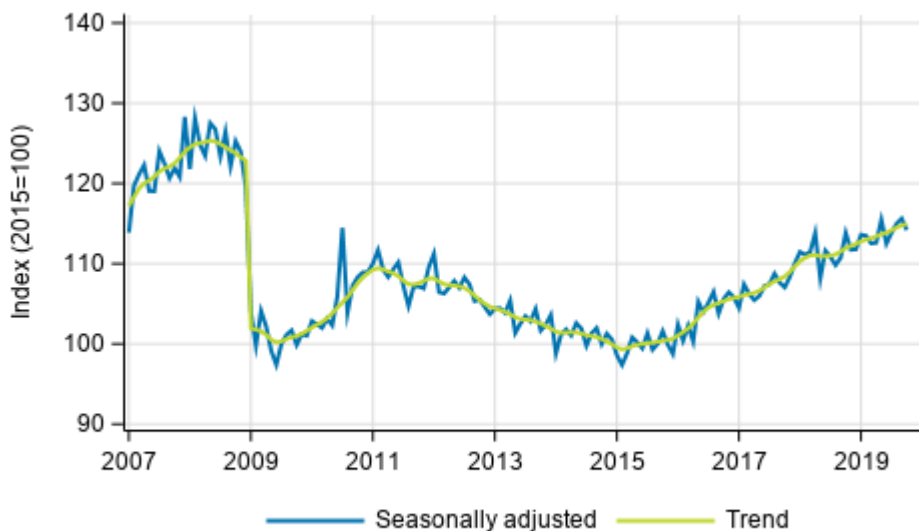
Volume index of industrial output

2019, September

Industrial output decreased month-on-month in September but increased year-on-year

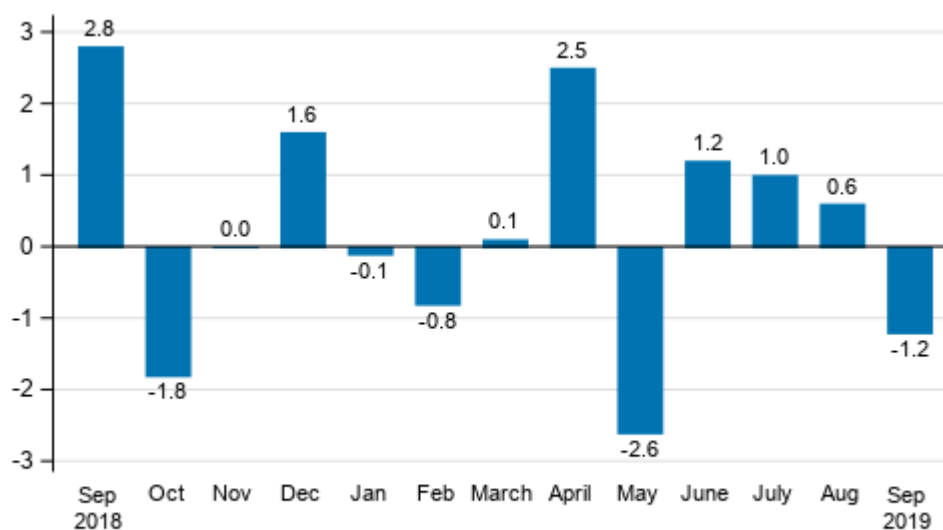
Seasonally adjusted industrial output (TOL BCD) fell by 1.2 per cent in September from the month before. According to Statistics Finland, industrial output adjusted for working days was 0.3 per cent higher in September 2019 compared to September 2018. Adjusted for working days, industrial output went up by 2.4 per cent in January to September from one year back.

Trend and seasonally adjusted series of industrial output (BCD), 2007/01 to 2019/09



Source: Statistics Finland

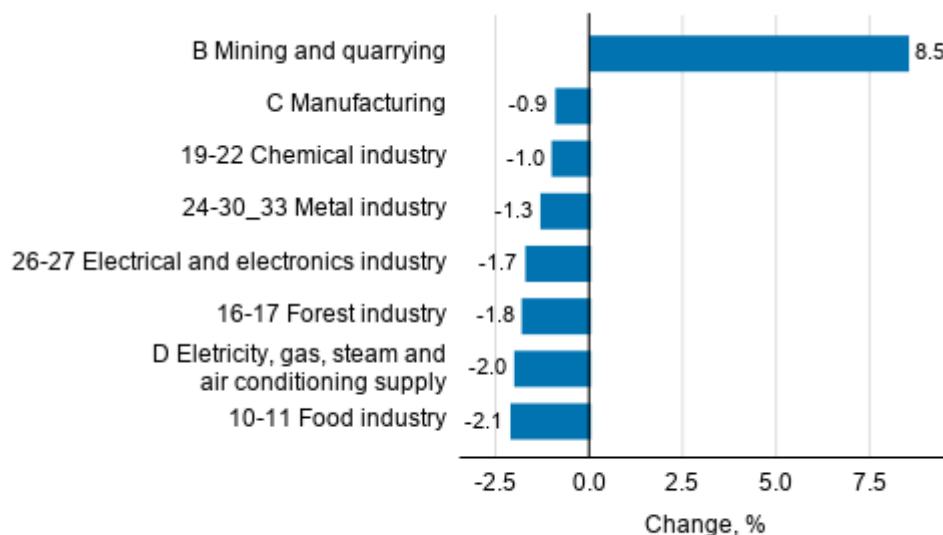
Seasonally adjusted change in industrial output (BCD) from previous month, %, TOL 2008



Source: Statistics Finland

Examined by main industry, seasonally adjusted industrial output grew in September only in the industry of mining and quarrying, by 8.5 per cent. Output decreased in all other main industries from the month before. The drop was heaviest in the chemical industry, by 1.0 per cent, in the electrical and electronics industry, by 1.7 per cent, and in the food industry, by 2.1 per cent.

Seasonal adjusted change in industrial output by industry, 8/2019 to 9/2019, %, TOL 2008



Source: Statistics Finland

Revised data for September 2019 will be published at 8 am on 10/12/2019 in connection with the release of industrial output data for October 2019. 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 will also be adjusted for working days.

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Industrial output increased by 0.3 per cent year-on-year in September

According to Statistics Finland, output of total industries (BCD) adjusted for working days was 0.3 per cent higher in September 2019 compared to September 2018. Seasonally adjusted output fell by 1.2 per cent in September from August.

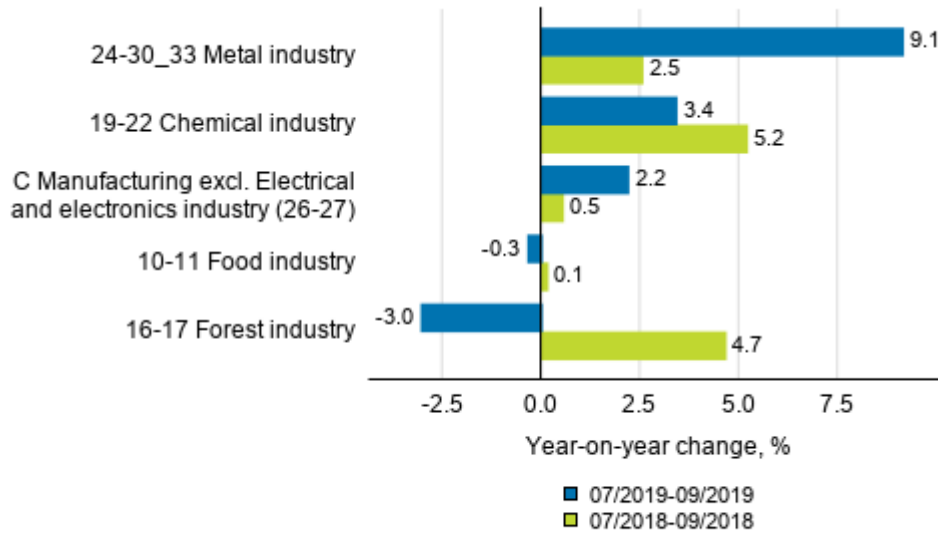
Adjusted for working days, industrial output (C) grew by 1.1 per cent in September from one year earlier. Seasonally adjusted output fell by 0.9 per cent in September from August.

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

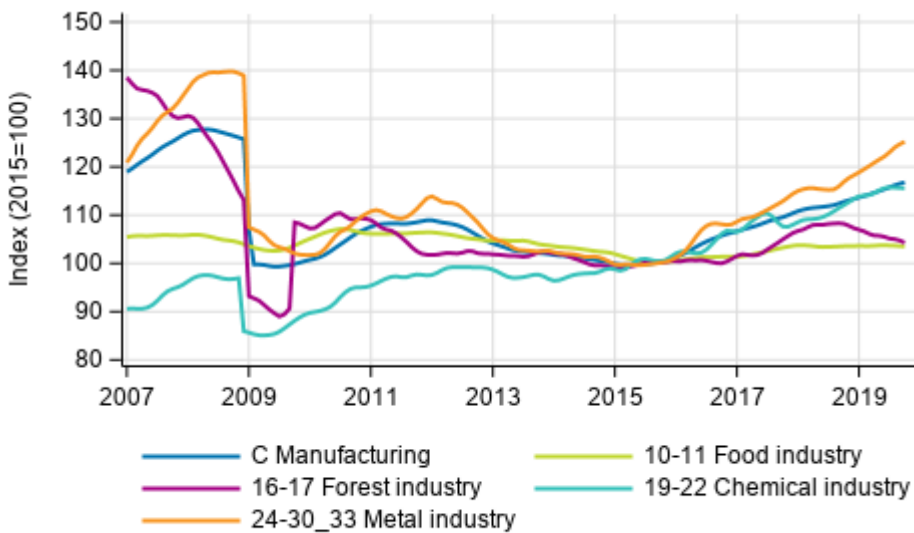
Appendix figures

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



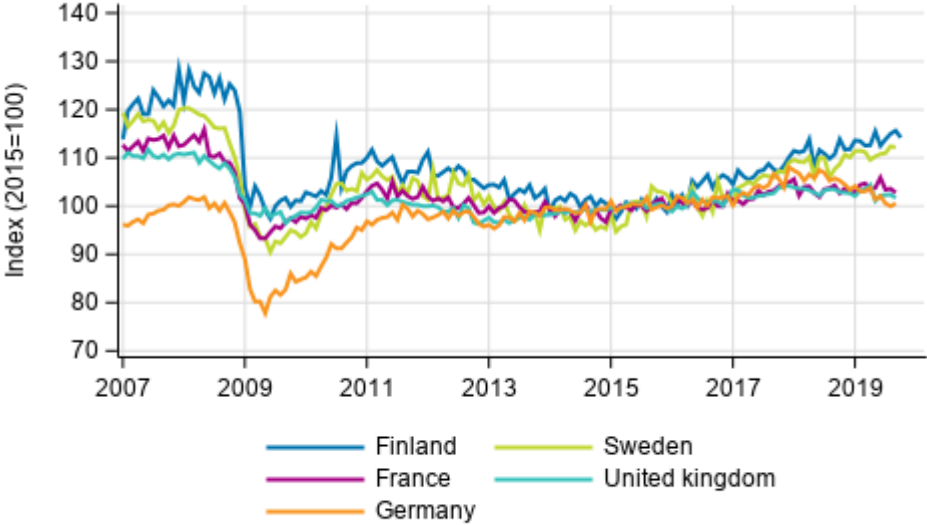
Source: Statistics Finland

Appendix figure 2. Trend series of manufacturing sub-industries, 2007/01 to 2019/09, 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 (8.11.2019)	
B Mining and quarrying	01/2019	17,6	18,1	0,5
	02/2019	12,8	13,3	0,5
	03/2019	8,9	9,1	0,2
	04/2019	14,8	15,4	0,6
	05/2019	-48,0	-49,4	-1,4
	06/2019	-39,8	-43,0	-3,2
	07/2019	-29,8	-27,8	2,0
	08/2019	-15,0	-14,5	0,5
BCD Total industries	01/2019	1,9	2,4	0,5
	02/2019	0,5	0,8	0,3
	03/2019	-0,2	-0,2	0,0
	04/2019	5,7	6,3	0,6
	05/2019	-0,3	0,3	0,6
	06/2019	0,3	0,3	0,0
	07/2019	6,1	7,1	1,0
	08/2019	2,1	2,4	0,3
C Manufacturing	01/2019	0,9	1,5	0,6
	02/2019	1,4	1,7	0,3
	03/2019	0,7	0,6	-0,1
	04/2019	5,6	6,5	0,9
	05/2019	0,2	1,0	0,8
	06/2019	0,9	1,0	0,1
	07/2019	8,4	9,3	0,9
	08/2019	3,6	3,8	0,2
D Electricity, gas, steam and air conditioning supply	01/2019	5,6	5,6	0,0
	02/2019	-6,6	-6,6	0,0
	03/2019	-7,6	-7,7	-0,1
	04/2019	3,6	3,4	-0,2
	05/2019	10,8	10,7	-0,1
	06/2019	15,1	14,9	-0,2
	07/2019	3,2	4,0	0,8
	08/2019	-4,7	-4,5	0,2

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