

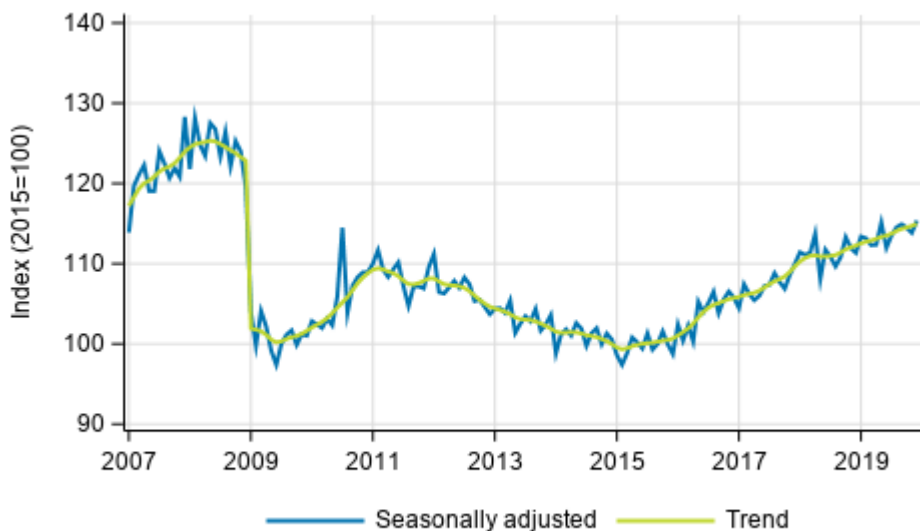
Volume index of industrial output

2019, November

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

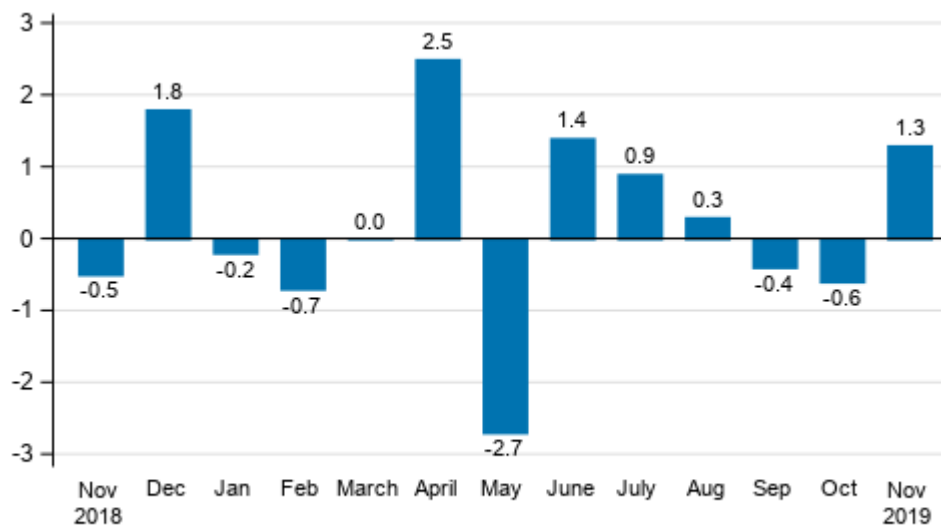
Seasonally adjusted industrial output (TOL BCD) went up by 1.3 per cent in November from the month before. According to Statistics Finland, industrial output adjusted for working days was 3.7 per cent higher in November 2019 than in November 2018. Adjusted for working days, industrial output went up by 2.2 per cent in January to November from one year back.

Trend and seasonally adjusted series of industrial output (BCD), 2007/01 to 2019/11



Source: Statistics Finland

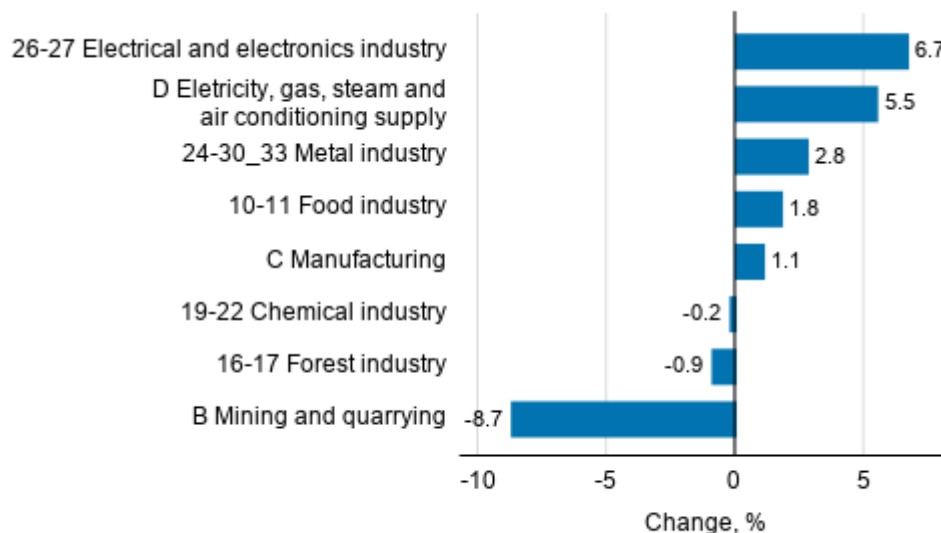
Seasonally adjusted change in industrial output (BCD) from previous month, %, TOL 2008



Source: Statistics Finland

Examined by main industry, seasonally adjusted industrial output grew in November most in electrical and electronics industry, by 6.7 per cent, and in electricity, gas, steam and air conditioning supply, by 5.5 per cent. Output decreased most in mining and quarrying, by 8.7 per cent month-on-month. Output also declined in the forest industry, by 0.9 per cent, and in the chemical industry, by 0.2 per cent.

Seasonal adjusted change in industrial output by industry, 10/2019 to 11/2019, %, TOL 2008



Source: Statistics Finland

Revised data for November 2019 will be published at 8 am on 10 February 2020 in connection with the release of industrial output data for December 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.

Contents

Industrial output grew by 3.7 per cent in November from the previous year.....	4
--	---

Tables

Table 1. Volume index of industrial output, value added, original, working day adjusted, seasonally adjusted change percentage.....	5
---	---

Figures

Appendix figures

Appendix figure 1. Three months' year-on-year change in manufacturing (C) sub-industries adjusted for working days (TOL 2008).....	6
Appendix figure 2. Trend series of manufacturing sub-industries, 2007/01 to 2019/11, TOL 2008.....	6
Appendix figure 3. Seasonally adjusted industrial output Finland, Germany, Sweden, France and United Kingdom (BCD) 2007 to 2019, TOL 2008.....	7

Revisions in these statistics.....	8
------------------------------------	---

Industrial output grew by 3.7 per cent in November from the previous year

According to Statistics Finland, output of total industries (BCD) adjusted for working days was 3.7 per cent higher in November 2019 than in November 2018. Seasonally adjusted output grew by 1.3 per cent in November from October.

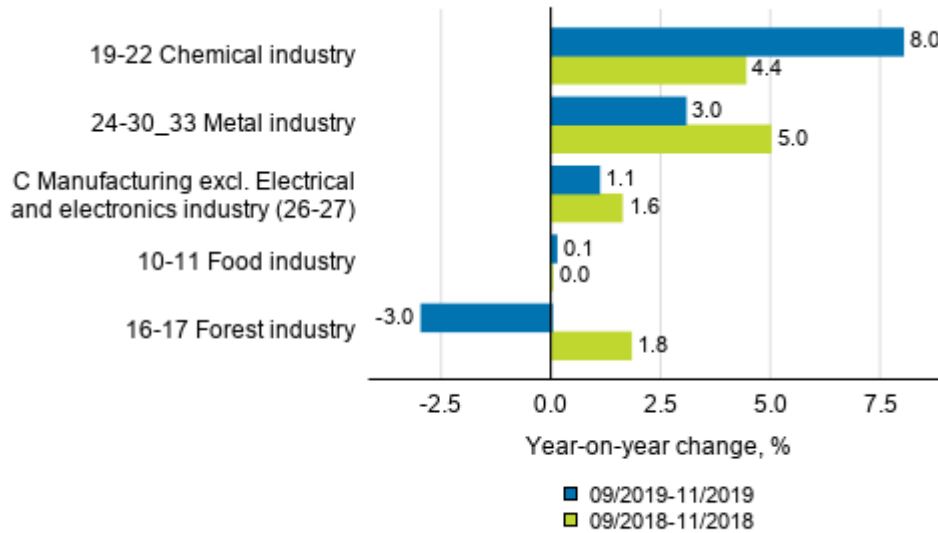
Adjusted for working days, industrial output (C) was 4.1 per cent higher in November compared with one year back. Seasonally adjusted output grew by 1.1 per cent in November from October.

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

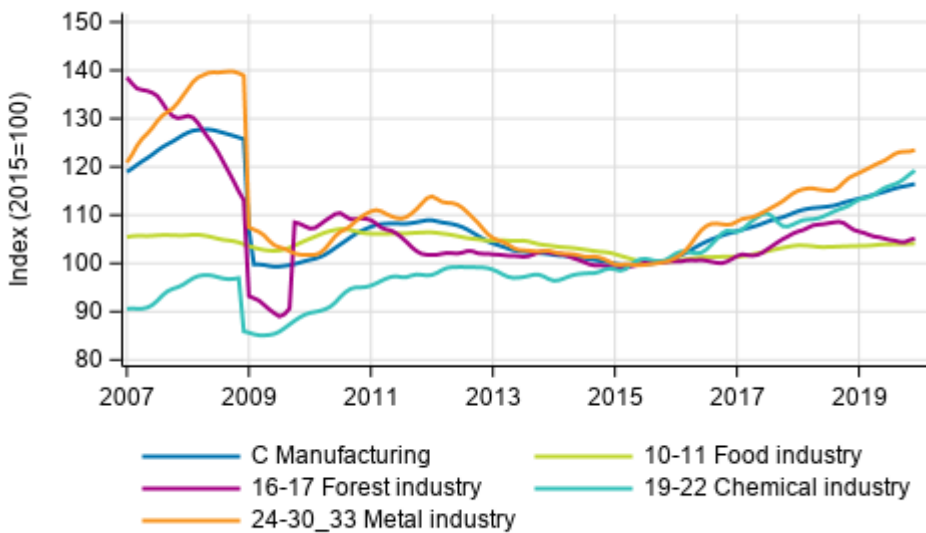
Appendix figures

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



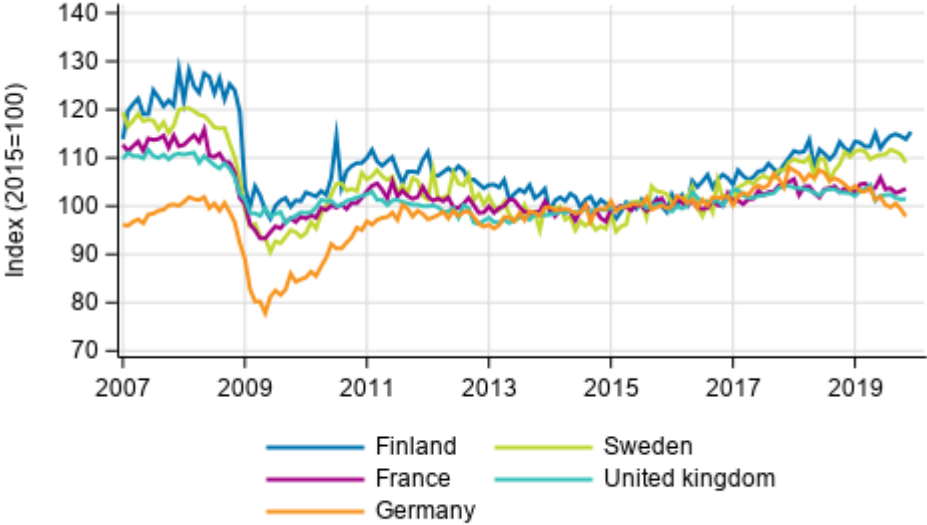
Source: Statistics Finland

Appendix figure 2. Trend series of manufacturing sub-industries, 2007/01 to 2019/11, 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 (10.1.2020)	
B Mining and quarrying	01/2019	17,6	18,1	0,5
	02/2019	12,8	13,3	0,5
	03/2019	9,2	9,1	-0,1
	04/2019	15,0	15,4	0,4
	05/2019	-49,5	-49,4	0,1
	06/2019	-39,8	-43,0	-3,2
	07/2019	-29,8	-27,8	2,0
	08/2019	-15,0	-14,5	0,5
	09/2019	-2,9	4,0	6,9
	10/2019	13,5	11,4	-2,1
BCD Total industries	01/2019	2,2	2,2	0,0
	02/2019	0,7	0,7	0,0
	03/2019	-0,4	-0,3	0,1
	04/2019	6,4	6,1	-0,3
	05/2019	0,2	-0,3	-0,5
	06/2019	0,3	0,0	-0,3
	07/2019	6,1	6,8	0,7
	08/2019	2,1	1,6	-0,5
	09/2019	2,5	3,5	1,0
	10/2019	1,6	1,3	-0,3
C Manufacturing	01/2019	1,3	1,2	-0,1
	02/2019	1,7	1,7	0,0
	03/2019	0,5	0,5	0,0
	04/2019	6,5	6,1	-0,4
	05/2019	0,9	0,3	-0,6
	06/2019	0,9	0,7	-0,2
	07/2019	8,4	9,0	0,6
	08/2019	3,6	2,9	-0,7
	09/2019	3,6	4,5	0,9
	10/2019	1,6	1,3	-0,3
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	3,4	3,4	0,0
	05/2019	10,8	10,7	-0,1
	06/2019	15,1	14,9	-0,2
	07/2019	3,2	4,1	0,9
	08/2019	-4,7	-4,3	0,4
	09/2019	-7,1	-6,6	0,5
	10/2019	-1,0	-1,1	-0,1

Inquiries

Maarit Mäkelä 029 551 3324

Kirsi-Maaria Manninen 029 551 2681

Director in charge:

Mari Ylä-Jarkko

volyyymi.indeksi@stat.fi

www.stat.fi

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