

101/2023 - 13 September 2023

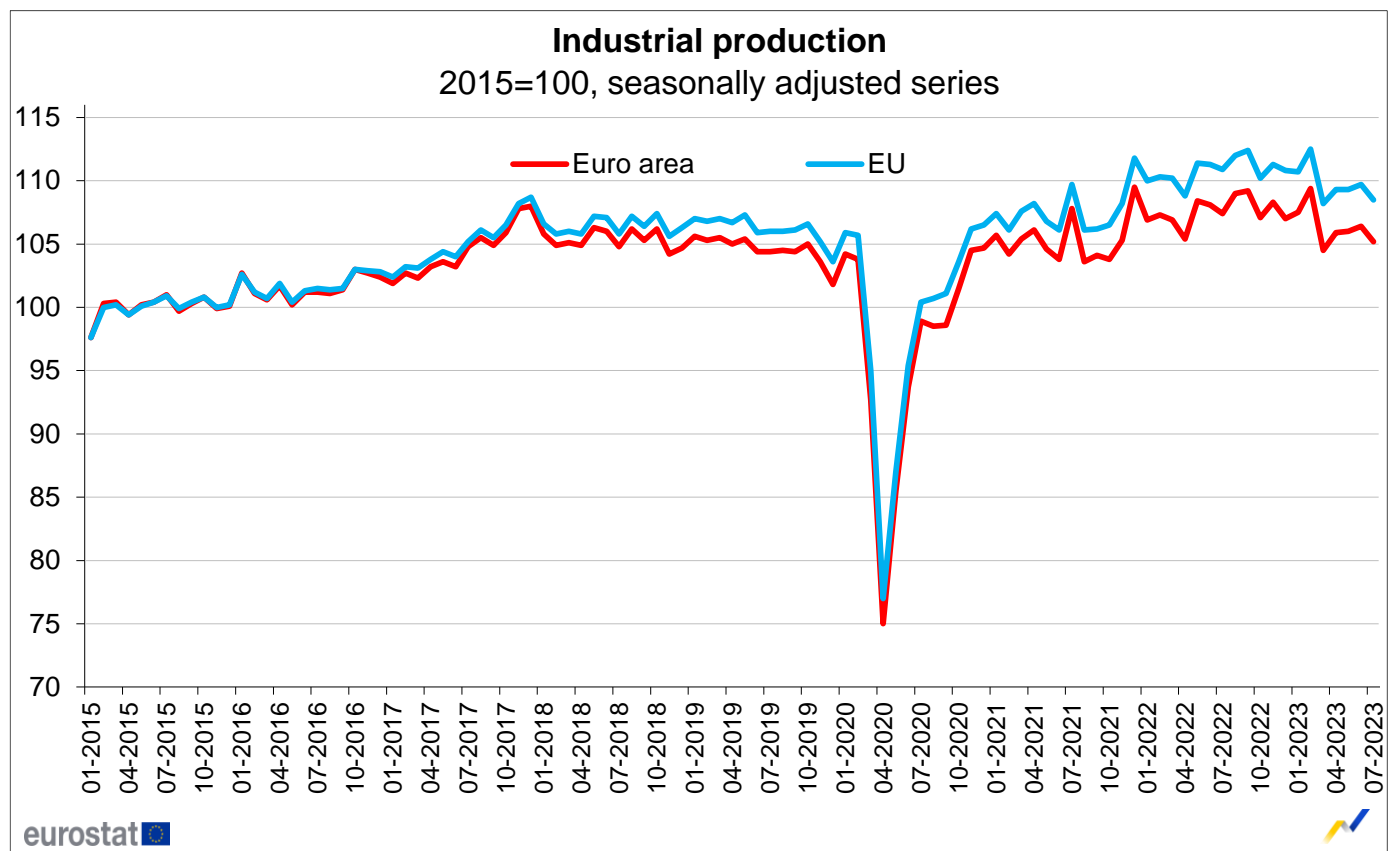
July 2023 compared with June 2023

## Industrial production down by 1.1% in both the euro area and the EU

Down by 2.2% in the euro area and by 2.4% in the EU compared with July 2022

In July 2023, the seasonally adjusted industrial production decreased by 1.1% in both the **euro area** and the **EU**, compared with June 2023, according to estimates from **Eurostat, the statistical office of the European Union**. In June 2023, industrial production increased by 0.4% in both the **euro area** and the **EU**.

In July 2023 compared with July 2022, industrial production decreased by 2.2% in the **euro area** and by 2.4% in the **EU**.



## Monthly comparison by main industrial grouping and by Member State

In the **euro area** in July 2023, compared with June 2023, production of capital goods fell by 2.7% and durable consumer goods by 2.2%, while production of intermediate goods grew by 0.2%, non-durable consumer goods by 0.4% and energy by 1.6%.

In the **EU**, production of capital goods fell by 2.4%, durable consumer goods by 1.9% and non-durable consumer goods by 0.8%, while production of intermediate goods grew by 0.1% and energy by 1.5%.

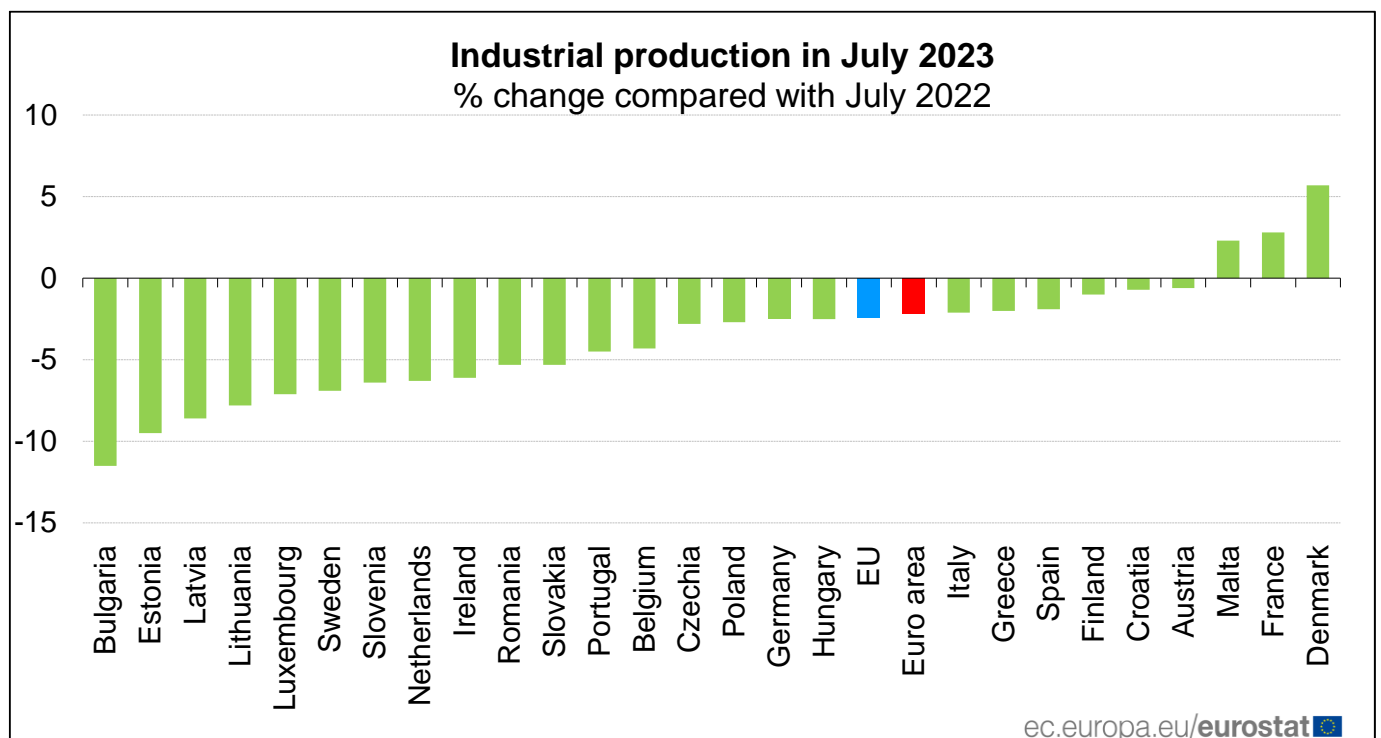
Among Member States for which data are available, the largest monthly decreases were registered in **Denmark** (-9.1%), **Ireland** (-6.6%) and **Lithuania** (-4.4%). The highest increases were observed in **Sweden** (+5.1%), **Malta** (+3.4%) and **Hungary** (+2.9%).

## Annual comparison by main industrial grouping and by Member State

In the **euro area** in July 2023, compared with July 2022, production of durable consumer goods fell by 6.7%, energy by 5.7%, intermediate goods by 5.0% and non-durable consumer goods by 0.6%, while production of capital goods rose by 0.4%.

In the **EU**, production of energy fell by 7.4%, durable consumer goods by 7.3% and intermediate goods by 5.5%, while production of non-durable consumer goods rose by 0.5% and capital goods by 1.0%.

Among Member States for which data are available, the largest annual decreases were registered in **Bulgaria** (-11.5%), **Estonia** (-9.5%) and **Latvia** (-8.6%). Increases were observed in **Denmark** (+5.7%), **France** (+2.8%) and **Malta** (+2.3%).



## Geographical information

The **euro area** (EA20) includes Belgium, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland.

The **European Union** (EU27) includes Belgium, Bulgaria, Czechia, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Malta, the Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland and Sweden.

Cyprus has a derogation with respect to Regulation (EU) 2019/2152 to have a longer deadline until the end of 2023.

## Methods and definitions

The **index of industrial production** measures the evolution of the volume of production for industry excluding construction, based on data adjusted for calendar and seasonal effects.

**Seasonally adjusted** euro area and EU series are calculated by aggregating the seasonally adjusted national data.

Total industry covers NACE rev.2 sections B to D. Missing observations from Member States for recent months are estimated for the calculation of the euro area and the EU aggregates.

## Revisions and timetable

Compared with data issued in the News Release 92/2023 of 16 August 2023, the monthly percentage change for June 2023 has been revised from +0.5% to +0.4% in the euro area and remained unchanged at +0.4% in the EU. The annual percentage change has been revised from -1.2% to -1.1% in both the euro area and the EU.

## For more information

Eurostat database section on short-term business statistics

Eurostat Statistics Explained article on the industrial production index

Eurostat Statistics Explained article on the impact of COVID-19 crisis on industrial production

The weights of the Member States in the EU and euro area aggregates

(See file NEWS\_RELEASE\_WEIGHTINGS\_2015)

Eurostat Euro indicators dashboard

Eurostat €-indicators release calendar

European Statistics Code of Practice

## For further information on data

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## Industrial production

% change compared with previous month\*

	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
<b>Euro area</b>						
Total industry	1.8	-4.5	1.3	0.1	0.4	-1.1
Intermediate goods	0.8	-1.1	-0.7	0.4	-1.0	0.2
Energy	0.8	-1.1	-0.1	-2.2	0.4	1.6
Capital goods	1.8	-15.4	15.3	1.1	-0.3	-2.7
Durable consumer goods	-0.4	2.5	-2.8	-1.1	-0.5	-2.2
Non-durable consumer goods	0.9	-0.6	-3.7	0.9	-1.4	0.4
<b>EU</b>						
Total industry	1.6	-3.8	1.0	0.0	0.4	-1.1
Intermediate goods	0.3	-1.2	-0.7	0.3	-0.9	0.1
Energy	0.8	-1.3	-0.4	-2.5	0.2	1.5
Capital goods	1.7	-12.9	12.5	1.1	-0.3	-2.4
Durable consumer goods	-0.5	1.8	-2.3	-1.0	-0.7	-1.9
Non-durable consumer goods	1.8	-0.9	-2.8	1.1	-0.6	-0.8

Source dataset: [sts\\_inpr\\_m](#)

Total industry	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
<b>Euro area</b>	1.8	-4.5	1.3	0.1	0.4	-1.1
<b>EU</b>	1.6	-3.8	1.0	0.0	0.4	-1.1
<b>Belgium</b>	3.2	1.4	-4.3	0.7	-2.9	1.8
<b>Bulgaria</b>	-0.7	-2.2	-2.8	1.5	0.3	-1.2
<b>Czechia</b>	0.8	1.9	-1.5	0.4	1.4	-2.6
<b>Denmark</b>	4.1	0.6	-0.3	-0.7	6.0	-9.1
<b>Germany</b>	1.9	-2.2	0.2	-0.2	-1.0	-1.6
<b>Estonia</b>	-0.2	-1.0	-2.1	1.0	-1.5	-3.8
<b>Ireland**</b>	7.6	-32.1	26.8	-4.5	11.7	-6.6
<b>Greece</b>	4.8	-0.1	-2.1	0.1	-1.3	2.3
<b>Spain</b>	0.5	1.2	-2.1	0.5	-0.9	0.2
<b>France</b>	1.5	-1.0	0.7	1.1	-1.0	0.8
<b>Croatia</b>	0.5	0.7	-2.3	4.3	2.0	-3.9
<b>Italy</b>	-0.1	-0.6	-2.0	1.7	0.5	-0.7
<b>Cyprus</b>	1.9	-2.7	2.3	0.7	-1.0	:
<b>Latvia</b>	2.4	-1.2	-0.4	-1.3	0.5	-2.8
<b>Lithuania</b>	-0.8	1.4	2.4	-2.3	4.3	-4.4
<b>Luxembourg</b>	6.1	-3.3	-2.0	-1.0	-0.6	0.6
<b>Hungary</b>	0.2	0.4	-2.6	1.9	-0.8	2.9
<b>Malta</b>	1.5	1.4	-0.9	-2.1	-2.9	3.4
<b>Netherlands</b>	0.3	-1.4	-2.7	0.8	1.2	0.7
<b>Austria</b>	-1.0	-2.3	0.2	-1.2	-1.2	-0.2
<b>Poland</b>	0.6	-1.4	-1.0	0.1	0.5	-1.1
<b>Portugal</b>	-1.9	-0.1	-6.0	2.7	-0.4	0.3
<b>Romania</b>	0.1	0.1	-0.8	-1.9	-1.9	0.6
<b>Slovenia</b>	0.1	-0.8	-2.7	3.0	0.0	-2.5
<b>Slovakia</b>	1.7	2.0	-1.1	2.2	-1.3	-2.6
<b>Finland</b>	-2.6	2.7	-2.3	2.0	-3.0	1.2
<b>Sweden</b>	-0.1	-3.8	2.0	-1.2	-5.3	5.1
<b>Norway</b>	0.0	2.2	0.4	-3.0	0.6	2.2
<b>Switzerland</b>	-0.7	5.5	-7.9	2.1	0.4	:

\* Calendar and seasonally adjusted

\*\* CSO Ireland is carrying out a review of the seasonal adjustment methodology for industrial production.

: Data not available

Source dataset: [sts\\_inpr\\_m](#)

## Industrial production

% change compared with same month of the previous year\*

	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
<b>Euro area</b>						
Total industry	1.7	-1.5	-0.1	-2.4	-1.1	-2.2
Intermediate goods	-5.1	-4.6	-6.2	-5.6	-6.3	-5.0
Energy	-4.4	-6.4	-8.1	-6.7	-7.3	-5.7
Capital goods	9.6	-1.9	8.5	2.5	4.7	0.4
Durable consumer goods	-3.0	0.4	-4.2	-5.8	-5.5	-6.7
Non-durable consumer goods	4.0	6.1	-0.4	-2.7	0.2	-0.6
<b>EU</b>						
Total industry	1.9	-1.3	-0.1	-2.0	-1.1	-2.4
Intermediate goods	-5.4	-5.4	-6.5	-6.1	-6.6	-5.5
Energy	-5.2	-9.1	-8.6	-8.0	-8.7	-7.4
Capital goods	9.7	0.7	9.0	3.5	5.1	1.0
Durable consumer goods	-4.8	-2.2	-5.7	-7.0	-6.7	-7.3
Non-durable consumer goods	6.6	6.5	1.1	-0.2	2.3	0.5

Source dataset: [sts\\_inpr\\_m](#)

Total industry	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
<b>Euro area</b>	1.7	-1.5	-0.1	-2.4	-1.1	-2.2
<b>EU</b>	1.9	-1.3	-0.1	-2.0	-1.1	-2.4
<b>Belgium</b>	-2.1	-0.1	-4.1	-3.9	-5.1	-4.3
<b>Bulgaria</b>	-2.7	-9.3	-12.7	-11.3	-9.4	-11.5
<b>Czechia</b>	2.4	2.9	1.8	0.6	0.9	-2.8
<b>Denmark</b>	16.1	10.5	11.0	6.7	11.5	5.7
<b>Germany</b>	0.4	2.4	0.9	0.1	-1.2	-2.5
<b>Estonia</b>	-7.7	-12.9	-15.9	-13.9	-12.9	-9.5
<b>Ireland</b>	28.2	-28.0	22.5	-15.9	6.3	-6.1
<b>Greece</b>	5.1	0.2	4.4	1.9	-3.4	-2.0
<b>Spain</b>	-0.7	5.8	-2.4	-0.7	-2.9	-1.9
<b>France</b>	0.9	0.5	1.4	2.7	0.2	2.8
<b>Croatia</b>	-1.7	-0.8	-3.4	1.1	2.4	-0.7
<b>Italy</b>	-2.3	-3.2	-7.4	-3.5	-0.7	-2.1
<b>Cyprus</b>	2.3	-5.1	0.0	1.7	0.1	:
<b>Latvia</b>	-2.2	-6.4	-6.5	-8.5	-5.1	-8.6
<b>Lithuania</b>	-8.3	-16.2	-7.0	1.9	4.7	-7.8
<b>Luxembourg</b>	-2.9	-1.5	-7.4	-7.1	-6.8	-7.1
<b>Hungary</b>	-5.1	-4.0	-6.1	-4.5	-6.1	-2.5
<b>Malta</b>	17.3	12.6	17.7	11.0	-3.8	2.3
<b>Netherlands</b>	-2.4	-3.5	-12.2	-9.1	-6.8	-6.3
<b>Austria</b>	1.3	0.0	1.1	-1.1	-2.6	-0.6
<b>Poland</b>	-1.1	-3.0	-3.9	-2.9	-1.1	-2.7
<b>Portugal</b>	2.7	-3.4	-7.0	-4.0	-3.7	-4.5
<b>Romania</b>	-4.5	-2.4	-4.4	-5.4	-6.3	-5.3
<b>Slovenia</b>	0.2	-3.3	-8.3	-2.2	-2.3	-6.4
<b>Slovakia</b>	-5.3	3.0	-1.3	-0.7	3.6	-5.3
<b>Finland</b>	-3.2	3.9	-3.5	0.7	-5.7	-1.0
<b>Sweden</b>	5.9	-0.7	3.9	1.8	-6.0	-6.9
<b>Norway</b>	-6.1	-5.4	-5.0	-11.1	-11.1	-1.5
<b>Switzerland</b>	1.0	6.7	-0.3	0.2	-2.5	:

\* Calendar adjusted

: Data not available

Source dataset: [sts\\_inpr\\_m](#)

**Production indices for total industry, calendar and seasonally adjusted**  
(base year 2015)

	07-22	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23
<b>Euro area</b>	107.4	109.0	109.2	107.1	108.3	107.0	107.5	109.4	104.5	105.9	106.0	106.4	<b>105.2</b>
<b>EU</b>	110.9	112.0	112.4	110.2	111.3	110.8	110.7	112.5	108.2	109.3	109.3	109.7	<b>108.5</b>
<b>Belgium</b>	126.2	121.7	130.8	128.3	129.4	126.1	121.3	125.2	126.9	121.4	122.2	118.7	<b>120.8</b>
<b>Bulgaria</b>	127.6	127.9	125.3	122.3	123.0	122.7	119.6	118.8	116.2	112.9	114.6	115.0	<b>113.6</b>
<b>Czechia</b>	116.3	116.7	116.8	112.5	116.0	116.7	113.1	114.0	116.2	114.5	115.0	116.6	<b>113.6</b>
<b>Denmark</b>	130.4	131.6	134.3	129.0	131.6	148.9	136.0	141.6	142.4	142.0	141.0	149.5	<b>135.9</b>
<b>Germany</b>	95.5	95.2	96.4	95.2	96.3	94.3	95.7	97.5	95.4	95.6	95.4	94.4	<b>92.9</b>
<b>Estonia</b>	123.1	129.3	126.0	124.1	119.0	121.5	120.4	120.1	118.9	116.4	117.6	115.8	<b>111.4</b>
<b>Ireland*</b>	183.9	199.4	200.5	186.2	196.7	177.7	191.3	205.8	139.8	177.2	169.3	189.1	<b>176.6</b>
<b>Greece</b>	124.5	123.2	117.1	117.5	118.8	118.9	117.6	123.3	123.2	120.6	120.7	119.1	<b>121.8</b>
<b>Spain</b>	106.5	106.7	106.3	105.9	105.2	105.8	105.4	105.9	107.2	105.0	105.5	104.5	<b>104.7</b>
<b>France</b>	96.9	99.4	98.8	96.1	98.1	99.5	97.5	99.0	98.0	98.7	99.8	98.8	<b>99.6</b>
<b>Croatia</b>	111.6	110.7	111.2	110.3	108.8	108.9	109.7	110.2	111.0	108.4	113.1	115.4	<b>110.9</b>
<b>Italy</b>	104.4	106.9	104.5	103.3	103.1	104.3	103.6	103.5	102.9	100.8	102.5	103.0	<b>102.3</b>
<b>Cyprus</b>	132.3	131.0	130.8	129.9	133.1	132.3	131.5	134.0	130.4	133.4	134.4	133.0	:
<b>Latvia</b>	122.7	122.1	120.7	120.5	123.7	120.2	116.4	119.2	117.8	117.3	115.8	116.4	<b>113.1</b>
<b>Lithuania</b>	156.9	163.8	153.3	150.7	151.3	145.2	144.7	143.5	145.5	149.0	145.6	151.8	<b>145.1</b>
<b>Luxembourg</b>	94.8	94.2	95.5	93.0	93.8	91.0	88.6	94.0	90.9	89.1	88.2	87.7	<b>88.2</b>
<b>Hungary</b>	125.6	126.5	128.4	123.4	122.5	127.4	120.0	120.3	120.8	117.6	119.8	118.9	<b>122.3</b>
<b>Malta</b>	109.9	109.8	110.6	107.7	111.5	113.6	111.9	113.6	115.2	114.2	111.8	108.6	<b>112.3</b>
<b>Netherlands</b>	107.1	105.1	106.8	105.5	103.9	105.8	101.1	101.4	100.0	97.3	98.1	99.3	<b>100.0</b>
<b>Austria</b>	123.8	128.0	126.6	127.4	127.5	128.3	131.0	129.7	126.7	127.0	125.5	124.0	<b>123.7</b>
<b>Poland</b>	150.0	151.0	151.4	150.8	152.9	154.4	150.2	151.1	149.0	147.5	147.6	148.3	<b>146.7</b>
<b>Portugal</b>	99.1	101.0	98.9	97.1	100.6	103.9	101.5	99.6	99.5	93.5	96.0	95.6	<b>95.9</b>
<b>Romania</b>	108.5	108.6	108.1	107.6	106.2	104.5	106.9	107.0	107.1	106.2	104.2	102.2	<b>102.8</b>
<b>Slovenia</b>	131.5	132.9	131.4	128.0	129.9	127.1	128.6	128.7	127.7	124.3	128.0	128.0	<b>124.8</b>
<b>Slovakia</b>	112.8	111.6	111.1	110.2	108.9	108.7	107.9	109.7	111.9	110.7	113.1	111.6	<b>108.7</b>
<b>Finland</b>	117.8	118.2	120.1	117.1	115.8	119.6	119.5	116.4	119.6	116.9	119.2	115.6	<b>117.0</b>
<b>Sweden</b>	124.6	116.6	118.6	117.7	112.8	115.6	120.4	120.3	115.7	118.0	116.6	110.4	<b>116.0</b>
<b>Norway</b>	106.9	110.4	108.0	106.5	106.2	106.1	97.4	97.4	99.5	99.9	96.9	97.5	<b>99.6</b>
<b>Switzerland</b>	125.2	131.4	136.6	132.4	127.8	134.7	132.3	131.4	138.6	127.7	130.4	130.9	:

\* CSO Ireland is carrying out a review of the seasonal adjustment methodology for industrial production.

: Data not available

Source dataset: sts\_inpr\_m



**Production indices for total industry, calendar adjusted**  
(base year 2015)

	07-20	07-21	07-22	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23
<b>Euro area</b>	99.7	107.9	107.0	91.4	117.9	116.6	116.9	100.0	105.8	105.7	110.3	104.4	103.6	108.4	<b>104.6</b>
<b>EU</b>	99.7	108.3	108.9	95.4	120.5	119.4	119.7	104.2	108.7	108.9	114.7	107.8	107.3	111.8	<b>106.3</b>
<b>Belgium</b>	102.1	124.4	117.8	112.0	137.6	136.8	131.4	123.5	118.2	121.6	136.8	117.3	120.1	125.5	<b>112.7</b>
<b>Bulgaria</b>	103.4	113.4	132.7	124.4	125.6	125.7	128.9	123.7	112.9	112.3	121.2	107.9	109.4	117.7	<b>117.5</b>
<b>Czechia</b>	97.5	103.0	104.4	105.8	121.1	119.8	126.6	108.7	109.0	110.5	126.0	113.7	116.9	123.2	<b>101.5</b>
<b>Denmark</b>	87.2	101.2	115.1	128.0	143.0	135.3	138.5	146.1	136.7	137.2	148.4	136.9	139.6	150.6	<b>121.7</b>
<b>Germany</b>	90.9	96.6	95.5	88.4	101.0	98.3	102.8	90.0	89.3	94.8	103.4	93.7	93.6	96.4	<b>93.1</b>
<b>Estonia</b>	105.2	118.1	110.3	126.8	130.4	132.9	123.8	116.2	115.6	113.7	126.8	116.7	122.8	116.2	<b>99.8</b>
<b>Ireland</b>	132.9	167.8	157.0	156.5	283.8	269.0	259.7	131.4	236.7	171.5	100.5	178.8	125.4	169.0	<b>147.4</b>
<b>Greece</b>	118.8	128.7	137.9	116.8	121.7	115.2	116.2	118.7	106.0	121.0	126.3	118.2	121.0	124.2	<b>135.1</b>
<b>Spain</b>	103.8	107.2	112.5	85.4	108.8	110.6	109.9	98.2	101.4	105.2	113.7	102.6	111.2	109.5	<b>110.4</b>
<b>France</b>	93.1	96.7	95.3	76.6	100.5	102.0	101.9	100.2	100.1	98.7	107.3	98.3	95.4	103.1	<b>98.0</b>
<b>Croatia</b>	110.5	114.2	118.1	96.8	113.2	117.7	111.8	105.2	100.0	107.4	118.8	107.8	114.8	116.9	<b>117.3</b>
<b>Italy</b>	108.0	116.4	115.0	72.2	110.4	112.0	107.9	91.6	97.6	106.1	113.8	99.8	110.0	107.2	<b>112.6</b>
<b>Cyprus</b>	146.5	154.5	154.9	116.1	137.8	132.1	130.9	131.0	121.2	127.6	128.7	129.0	137.7	140.9	:
<b>Latvia</b>	117.2	127.8	123.7	128.6	125.1	127.2	131.3	126.4	90.4	100.3	116.2	119.5	120.6	125.7	<b>113.0</b>
<b>Lithuania</b>	114.9	136.0	150.2	158.6	152.9	158.9	156.6	147.1	139.7	136.0	149.7	146.8	149.0	149.3	<b>138.5</b>
<b>Luxembourg</b>	90.3	93.6	93.6	81.9	99.0	98.3	95.8	84.4	86.4	92.4	100.6	90.7	87.9	89.5	<b>87.0</b>
<b>Hungary</b>	104.7	115.0	122.3	113.9	138.6	130.4	129.7	116.7	114.4	121.0	130.5	114.2	120.5	122.6	<b>119.2</b>
<b>Malta</b>	107.1	115.2	119.5	106.9	115.2	113.9	112.7	97.7	108.0	105.7	116.7	113.8	113.3	114.8	<b>122.2</b>
<b>Netherlands</b>	93.7	102.2	103.8	95.1	110.0	111.0	109.3	106.9	98.7	96.1	106.0	94.6	97.2	101.8	<b>97.3</b>
<b>Austria</b>	108.5	120.4	124.7	112.5	132.1	133.1	135.6	125.2	115.9	123.3	138.7	125.9	124.4	128.5	<b>124.0</b>
<b>Poland</b>	117.9	132.3	145.1	140.4	154.5	159.5	159.7	148.1	143.7	146.5	161.8	147.0	146.3	149.3	<b>141.2</b>
<b>Portugal</b>	104.0	104.3	105.0	85.6	100.9	98.4	103.0	94.5	102.6	99.1	103.2	92.6	100.5	98.8	<b>100.3</b>
<b>Romania</b>	104.5	110.3	109.3	98.9	109.5	112.1	111.5	98.3	102.9	102.9	113.6	102.2	109.1	103.3	<b>103.5</b>
<b>Slovenia</b>	123.4	128.1	129.0	114.3	136.8	129.7	136.4	117.0	125.3	122.9	144.7	117.2	135.8	138.3	<b>120.8</b>
<b>Slovakia</b>	98.0	106.0	99.9	102.8	110.9	114.5	119.6	101.3	104.7	110.8	123.8	105.1	116.4	120.2	<b>94.6</b>
<b>Finland</b>	96.4	99.6	102.5	112.5	123.8	121.3	118.6	133.5	115.0	108.7	127.6	117.3	119.5	115.7	<b>101.5</b>
<b>Sweden</b>	81.9	90.4	99.1	98.9	122.6	125.7	120.5	117.8	117.4	119.6	130.0	120.2	116.9	116.2	<b>92.3</b>
<b>Norway</b>	91.4	92.7	94.3	107.9	104.7	113.8	112.6	107.7	105.4	97.6	105.6	97.9	94.4	89.1	<b>92.9</b>
<b>Switzerland</b>	109.9	121.8	122.5	113.7	141.4	141.2	133.9	133.4	129.8	124.9	153.6	118.8	126.6	142.2	:

: Data not available

Source dataset: sts\_inpr\_m

