

7 February 2023

Industrial Production Indices (IPI). Base 2015
December 2022 Provisional Data

The monthly variation of the Industrial Production Index stands at 0.8%, after adjusting for seasonal and calendar effects

The annual rate of the Industrial Production Index stands at 0.6% in the series adjusted for seasonal and calendar effects and at -3.4% in the original series

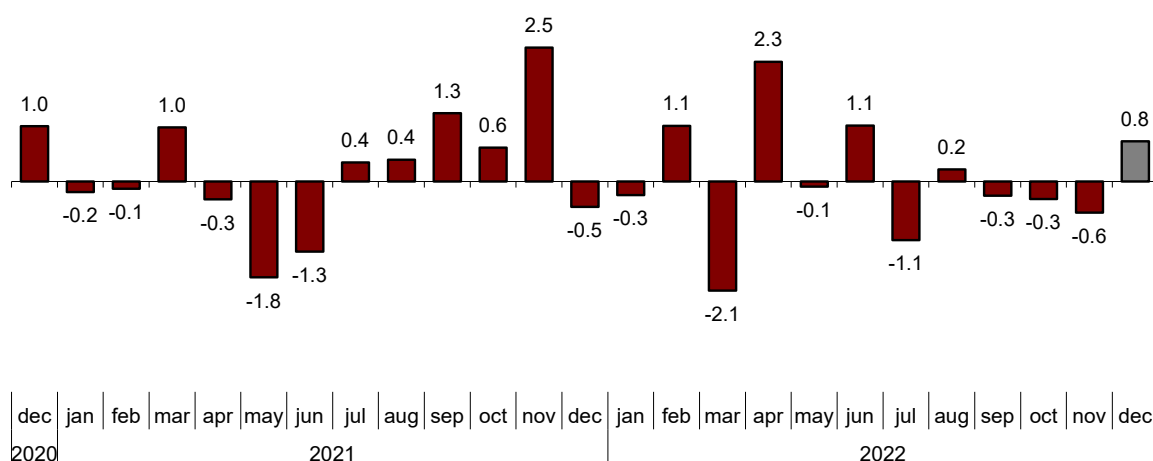
Throughout the year 2022, industrial production increased by 2.9% in the adjusted series and 2.4% in the original series

Monthly evolution of industrial production

After adjusting for seasonal and calendar effects, the monthly variation of the Industrial Production Index (IPI) between December and November stood at 0.8%. This rate is 1.4 points higher than that observed in November.

General Industrial Production Index

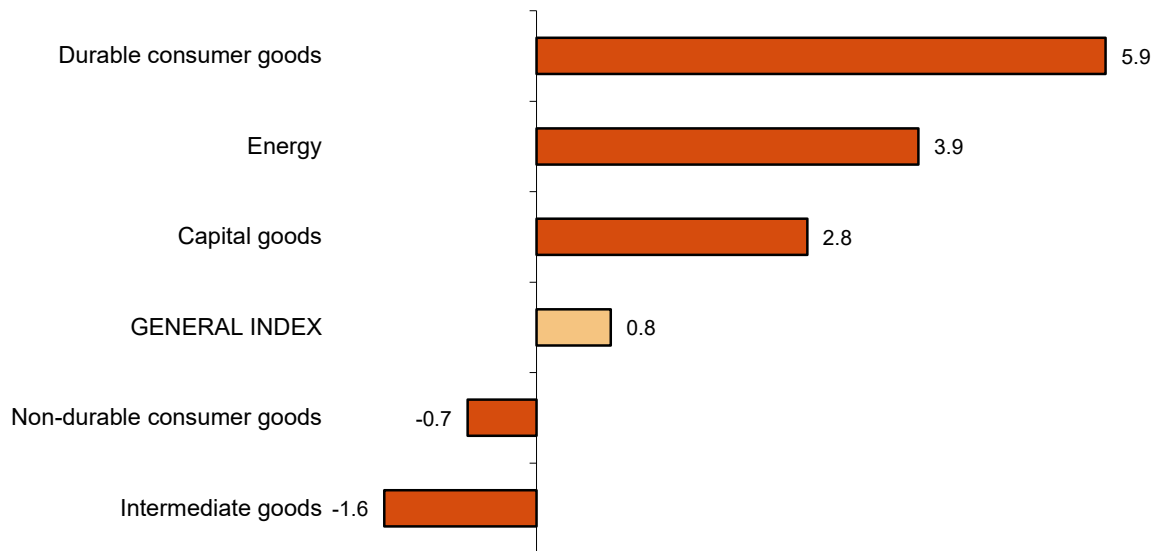
Adjusted for seasonal and calendar effects. Monthly rate (percentage)



By sectors, *Durable consumer goods* (5.9%), *Energy* (3.9%) and *Capital goods* (2.8%) showed positive monthly rates. On the other hand, *Intermediate consumer goods* (-1.6%) and *Non-durable consumer goods* (-0.7%) showed negative monthly rates.

Industrial Production Indices: General and by economic destination

Adjusted for seasonal and calendar effects. December 2022 Monthly rate (percentage)



In a more detailed analysis, it is possible to observe the branches of activity with the highest and lowest monthly rates in the month of December.

Branches of activity with the highest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Manufacture of coke and refined petroleum products	12.5
Manufacture of other transport equipment	7.6
Manufacture of furniture	5.8

Branches of activity with the lowest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Extraction of anthracite, coal and lignite	-14.3
Other mining and quarrying	-7.4
Manufacture of beverages	-5.9

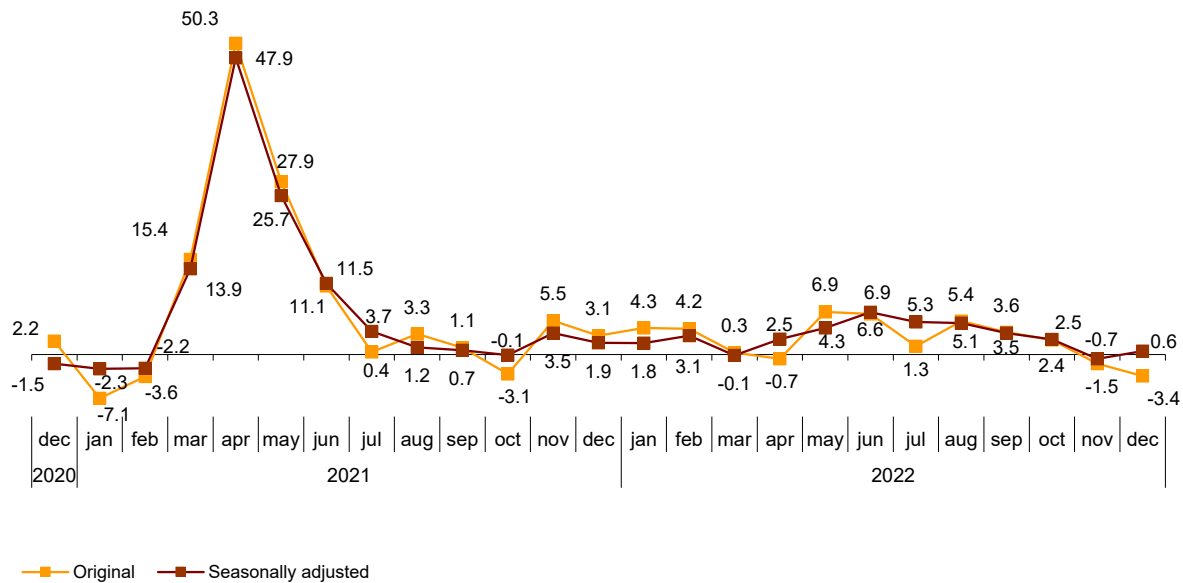
Annual evolution of industrial production

The Industrial Production Index, adjusted for seasonal and calendar effects, recorded a variation rate of 0.6% in December, as compared to the same month of the previous year. This rate is 1.3 points higher than that registered in November.

The original IPI series experienced an annual variation of -3.4%. This rate is 1.9 points lower than that of November.

General Industrial Production Index

Annual rate (percentage)



By sectors, *Durable consumer goods* (10.2%), *Intermediate goods* (5.3%) and *Non-durable consumer goods* (3.5%) showed positive annual rates. On the other hand, *Intermediate goods* (-5.0%) and *Energy* (-4.2%) showed negative annual rates.

Throughout the year 2022 retail sales decreased by 2.9% in the series adjusted for seasonal and calendar effects and 2.4% in the original series.

Annual rates of industrial production indices: General and by economic destination of the goods

	Original index	Seasonally adjusted index	
	Annual rate (%)	Annual rate (%)	Rate of the 2022 average (%)
General Index	-3,4	0,6	2,9
Consumer goods	-2,1	3,7	4,1
- Durable consumer goods	-1,2	5,3	3,4
- Non-durable consumer goods	-2,2	3,5	4,2
Capital goods	4,8	10,2	6,5
Intermediate goods	-9,2	-5,0	-1,6
Energy	-5,7	-4,2	4,2

Results by Autonomous Communities. Annual variation rates of industrial production. Original series

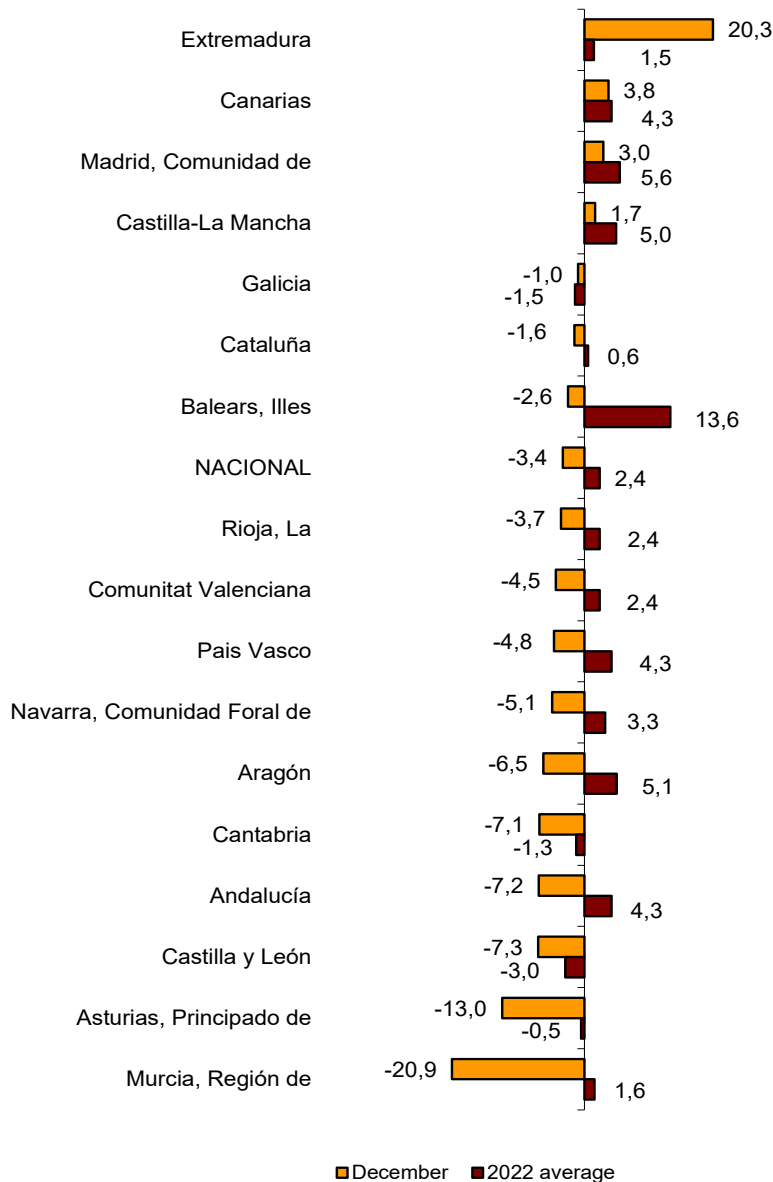
The annual rate of industrial production increased as compared to December 2021 in four Autonomous Communities and decreased in the other 13.

The largest decreases were recorded in Región de Murcia (-20.9%), Principado de Asturias (-13.0%) and Castilla y León (-7.3%). The largest increases were recorded in Extremadura (20.3%), Canarias (3.8%) and Comunidad de Madrid (3.0%).

For the year 2022 as a whole, industrial production increased in thirteen Autonomous Communities and decreased in four. The greatest increases were registered in Illes Balears (138.4%) and Comunidad de Madrid (5.6%). And the greatest decreases were in Castilla y León (-3.0%) and Galicia (-1.5%).

General indices: national and by Autonomous Communities

December 2022 and 2022 average. Annual rate (percentage)



Data Review and Update

Coinciding with today's publication, the INE has updated the data of the IPI series corresponding to the last two months. In the case of the series adjusted for calendar effects and for seasonal and calendar effects, the series is revised from the beginning, following the INE standard. The results are available at INEBase.

Methodological note

The Industrial Production Index (IPI) is a short-term indicator that measures the monthly evolution of the productive activity of the industrial branches, excluding construction, contained in the National Classification of Economic Activities 2009 (CNAE-2009). It therefore investigates the activities included in sections B, C, D and division 36: Water collection, treatment and supply, from section E of the CNAE-2009.

The IPI measures the joint evolution of quantity and quality, eliminating the influence of prices.

Type of survey: monthly continuous survey.

Base year: 2015.

Population scope: industrial establishments whose main activity is included in sections B, C, D and division 36 of the CNAE-2009.

Geographical scope: the entire national territory.

Sample size: 11,500 industrial establishments and more than 1,100 products.

Collection method: completion of the questionnaire by the respondent using one of the following methods: internet (IRIA system), e-mail, fax, telephone or by postal mail.

For more information the methodology can be accessed at:

https://www.ine.es/en/daco/daco43/metoipi15_en.pdf

And the standardised methodological report at:

<https://www.ine.es/dynt3/metadatos/en/RespuestaDatos.html?oe=30050>

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Industrial Production Indices. Base 2015

December 2022

Provisional Data

1. Industrial Production Indices: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
General Index	106.0	0.8	0.6	2.9
Consumer goods	109.7	0.1	3.7	4.1
- Durable consumer goods	111.4	5.9	5.3	3.4
- Non-durable consumer goods	108.6	-0.7	3.5	4.2
Capital goods	114.5	2.8	10.2	6.5
Intermediate goods	104.8	-1.6	-5.0	-1.6
Energy	94.6	3.9	-4.2	4.2

2. Industrial Production Indices: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)	
		Annual	Year-to-date average
General Index	97.8	1.0	2.9
Consumer goods	99.8	3.9	4.1
- Durable consumer goods	102.2	6.2	3.5
- Non-durable consumer goods	99.7	4.1	4.1
Capital goods	108.0	10.7	6.5
Intermediate goods	88.6	-5.3	-1.4
Energy	97.7	-4.4	4.2

3. Industrial Production Indices: General and by economic destination. Original series

	Index	Rate (%)		Repercussion Annual
		Annual	Year-to-date average	
General Index	96.7	-3.4	2.4	
Consumer goods	98.2	-2.1	3.4	-0.550
- Durable consumer goods	100.1	-1.2	2.7	-0.025
- Non-durable consumer goods	98.1	-2.2	3.5	-0.525
Capital goods	106.4	4.8	5.8	1.074
Intermediate goods	87.7	-9.2	-1.9	-2.677
Energy	97.3	-5.7	4.1	-1.286

**4. Industrial Production Indices: General and by branches of activity (CNAE 2009).
Original series**

	Index	Rate (%)		Repercussion Annual
		Annual	Year-to-date average	
General Index	96.7	-3.4	2.4	
B. Mining and quarrying industries	108.9	9.6	7.9	0.066
Extraction of anthracite, coal and lignite	..	..	..	..
National crude petroleum and natural gas	..	..	..	..
Extraction of metallic ores	..	..	..	..
Other mining and quarrying	129.5	9.5	8.2	0.064
C. Manufacturing industry	96.7	-2.7	2.0	-2.133
Food Industry	99.0	-8.8	-0.4	-1.138
Manufacture of beverages.	102.3	-2.2	5.8	-0.075
Tobacco industry.	..	..	..	..
Textile industry	73.7	-16.1	0.7	-0.153
Manufacture of garments	66.2	-27.9	5.2	-0.237
Leather and footwear industry	63.6	-1.3	12.8	-0.008
Manufacture of wood and of products of wood and cork, except furniture; basketmaking and wickerwork	78.8	-26.7	0.0	-0.357
Manufacture of paper and paper-products	84.4	-15.3	-2.4	-0.374
Graphic arts and reproduction of recorded media	64.9	-9.4	-2.1	-0.110
Manufacture of coke and refined petroleum products	108.1	3.5	4.4	0.087
Chemical Industry	84.6	-17.3	-4.3	-1.092
Manufacture of pharmaceutical products	131.5	26.1	9.8	0.991
Rubber and plastic material transformation industry	87.6	-6.2	0.9	-0.261
Manufacture of other non-metallic ore products	92.5	-11.3	-1.4	-0.437
Metallurgy; manufacture of iron, steel and ferro-alloy products	65.9	-17.2	-9.0	-0.468
Manufacture of metal products, except machinery and equipment	90.5	-0.3	1.6	-0.024
Manufacture of computers, electronic and optical products	117.3	-13.2	2.1	-0.188
Manufacture of electrical material and equipment	120.2	16.0	6.8	0.466
Manufacture of machinery and equipment n.e.c.	150.7	3.3	4.8	0.220
Manufacture of motor vehicles, trailers and semi-trailers	77.0	8.8	6.5	0.505
Manufacture of other transport equipment	95.8	19.3	6.9	0.423
Manufacture of furniture.	107.9	-2.4	2.7	-0.033
Other manufacturing industries	107.0	-7.8	4.4	-0.100
Repair and installation of machinery and equipment	127.4	7.2	5.7	0.234
D. Supply of electrical energy, gas, steam and air conditioning	96.7	-8.2	4.9	-1.430
E. Water supply, activities, waste management and decontamination*	93.7	2.2	-0.2	0.057

* It only includes Water collection, treatment and supply

(..) Data not available due to statistical secrecy.

5. Industrial production indices: national and by Autonomous Community. Original series

	Index	Rate (%)	
		Annual	Year-to-date average
National	96.7	-3.4	2.4
Andalucía	92.9	-7.2	4.3
Aragón	89.9	-6.5	5.1
Asturias, Principado de	93.1	-13.0	-0.5
Balears, Illes	76.1	-2.6	13.6
Canarias	94.2	3.8	4.3
Cantabria	96.8	-7.1	-1.3
Castilla y León	84.6	-7.3	-3.0
Castilla-La Mancha	100.7	1.7	5.0
Cataluña	95.7	-1.6	0.6
Comunitat Valenciana	101.7	-4.5	2.4
Extremadura	93.0	20.3	1.5
Galicia	101.6	-1.0	-1.5
Madrid, Comunidad de	112.6	3.0	5.6
Murcia, Región de	95.1	-20.9	1.6
Navarra, Comunidad Foral de	100.0	-5.1	3.3
País Vasco	88.4	-4.8	4.3
Rioja, La	73.4	-3.7	2.4

More detailed information by Autonomous Community may be obtained at:

Andalucía	Andalusia Institute of Statistics and Cartography (juntadeandalucia.es)
Aragón	Aragon Institute of Statistics (IAEST). Government of Aragon
Principado de Asturias	Home - Asturian Society for Economic and Industrial Studies (sadei.es)
Illes Balears	IBESTAT|Home (caib.es)
Canarias	Home ISTAC - Government of the Canary Islands
Cantabria	Cantabrian Institute of Statistics - ICANE
Castilla y León	Statistics | Statistics | Council of Castilla y León (jcy.la.es)
Castilla - La Mancha	Start: Statistics Service of Castilla-La Mancha (jccm.es)
Cataluña	Idescat. Statistics Institute of Catalonia
Comunitat Valenciana	Home - Statistical Portal of the Generalitat Valenciana - Generalitat Valenciana (gva.es)
Extremadura	IEEX - JUNTAEX
Galicia	IGE - Galician Institute of Statistics
Community of Madrid	Statistical Portal. Community of Madrid
Región de Murcia	Statistical Portal of the Region of Murcia - CREM (carm.es)
La Rioja	Statistics - La Rioja Government Portal