

Statistical bulletin

# Index of Production, UK: October 2023

Movements in the volume of production for UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.



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# 1 . Main points

- Production output growth for August to October 2023 fell by 0.7% when compared with May to July 2023.
- In the three months to October 2023, there were falls in "manufacturing" (0.9%) and "electricity and gas" (0.5%); these were partially offset by rises in "mining and quarrying" (1.2%) and "water supply and sewerage" (0.1%).
- Monthly production output is estimated to have fallen 0.8% in October 2023; this follows no growth (0.0%) in September 2023.
- The monthly decrease in output for October 2023 resulted from a decline in two of the four production sectors, with "manufacturing" being the main contributor to the monthly fall (1.1%) and "electricity and gas" providing a smaller contribution (1.8%); this was partially offset by rises in "water supply and sewerage" (1.6%) and "mining and quarrying" (0.2%).
- Monthly manufacturing output decreased by 1.1%, with decreases in 10 of its 13 sub-sectors during October 2023; the largest contributing sub-sections to the monthly fall were "manufacture of machinery and equipment" and "manufacture of computer, electronic and optical products", which decreased 3.0% and 2.5%, respectively.
- Further analysis of the effect on our monthly Index of Production (IoP) estimate is available in our [Gross domestic product \(GDP\) monthly estimate, UK: October 2023 bulletin](#), published 13 December 2023.

# 2 . Index of Production data

## [Index of Production time series](#)

Dataset DIOP | Released 13 December 2023

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management. Figures are seasonally adjusted.

## [Output of the production industries](#)

Dataset | Released 13 December 2023 Index values and growth rates for production, manufacturing and the main industrial groupings in the UK.

## [Index of Production and industry sectors to four decimal places](#)

Dataset | Released 13 December 2023

Monthly index values for production and the main Index of Production sectors in the UK to four decimal places.

## [Monthly Business Survey turnover in production industries](#)

Dataset | Released 13 December 2023

Monthly Business Survey production industries' total turnover, domestic sales and exports in the UK. Figures are in current price and are non-seasonally adjusted.

## [Export proportions for manufacturing industries](#)

Dataset | Released 13 December 2023

Monthly, quarterly and annual export data for the manufacturing industries, collected by the Monthly Business Survey at industry level in the UK.

All data related to the IoP are available on our [Related data page](#).

## 3 . Measuring the data

The Index of Production (IoP) uses data from a variety of sources. It is calculated by taking turnover and removing the impact of price changes, or by using direct volume estimates.

Most of these data are collected as "turnover values" through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Energy Security and Net Zero (DESNZ), and the International Steel Statistics Bureau (ISSB) for steel industries.

The Office for National Statistics' (ONS) Monthly Business Survey (MBS) is fully online. Business owners can log on from any location and submit their data at an appropriate time. Most other data in the IoP come from the DESNZ, and therefore will be less affected than the survey data.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small and medium-sized businesses. For more information, see our [VAT turnover data in National Accounts: background and methodology article](#).

A comprehensive list of the IoP source data can be found in our [Gross domestic product \(GDP\) data sources catalogue \(XLS, 1.9MB\)](#).

### Response Rates for October 2023

For October 2023, the response rates were 73.2%, based on forms returned. This accounted for 84.9% of total turnover coverage of the sample population. Historical information can be found in our [IoP response rates](#) dataset.

### Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [UK Index of Production Quality and Methodology Information \(QMI\)](#).

### Additional bank holiday in May 2023 for the Coronation of King Charles III

There was an additional bank holiday for the coronation of King Charles III on Monday 8 May 2023. While adjustments are made for regular calendar effects, there was no explicit adjustment for this event. However, the timing of the bank holiday indirectly affects the number of trading days, which could affect GDP estimates positively or negatively, depending on the sector. This should be taken into account when interpreting monthly, and three-month movements over recent months since May 2023.

### Revisions to IoP

In line with the [National Accounts revision policy](#), this release gives data for October 2023 only. There are no previous periods open for revision.

In the next IoP release due to be published on 12 January 2024, revisions will be seen back to January 2022 in the dataset. This is to incorporate revisions that will be published as part of the [Quarterly National Accounts](#) release, due to be published on 22 December 2023.

### Updates to monthly GDP methods and data sources in Blue Book 2023

A number of changes have been made to the methods and data sources used in compiling monthly gross domestic product (GDP) and the output approach to measuring GDP estimates as part of [Blue Book 2023](#).

For further information on the updates, please see [Section 9: Measuring the data of our GDP monthly estimate, UK: October 2023 bulletin](#).

### Office for Statistics Regulation (OSR) review of GDP

The OSR completed a [review of the practices around the preparation and release of information about revisions to estimates of GDP](#) in our [Impact of Blue Book 2023 article](#) released on 1 September 2023. This will cover the processes and quality assurance in making revisions to GDP and the potential improvements to early estimates of GDP enabled through enhanced access to data. It will also cover the communication of:

- revisions to GDP
- the story behind the most recent set of revisions in particular
- uncertainty in early estimates of GDP

The ONS has already started looking into the [recommendations of this review](#) and will set out plans more fully during January 2024.

## 4 . Related links

### [GDP monthly estimate, UK: October 2023](#)

Bulletin | Released 13 December 2023

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of, and growth in, the economy.

### [Index of Services, UK: October 2023](#)

Bulletin | Released 13 December 2023

Movements in the volume of output for the UK services industries. Figures are seasonally adjusted.

### [Producer price inflation, UK: October 2023](#)

Bulletin | Released 15 November 2023 Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

### [UK manufacturers' sales by product: 2022 results](#)

Bulletin | Released 24 July 2023 Estimates for UK manufacturers' sales by product (ProdCom) for 2022.

### [Energy Trends and Prices: monthly data](#)

Web page | Last updated 30 November 2023 Provides statistics on energy prices and monthly production, trade and consumption of coal, electricity, gas, oil and total energy in the UK.

## 5 . Cite this statistical bulletin

Office for National Statistics (ONS), released 13 December 2023, ONS website, statistical bulletin, [Index of Production, UK: October 2023](#)



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# IOP5 Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2018	98.3	98.2	99.5	89.0	99.8	99.2	99.6	97.8	103.1	96.0	95.4
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	102.3	100.1	102.2	105.0	101.6	100.5	101.1	104.7	101.7	102.2	101.7
2021	98.3	76.7	103.8	71.3	106.0	73.5	106.6	113.1	103.3	97.5	77.0
2022	94.9	76.1	100.4	63.1	106.2	72.2	107.6	112.8	97.8	93.3	72.5
2022 Q3	93.9	76.4	99.2	62.5	105.5	72.6	109.2	111.4	96.7	92.3	71.9
2022 Q4	93.9	71.9	99.8	62.3	104.9	68.5	107.0	114.4	98.2	90.0	69.9
2023 Q1	94.0	67.2	100.3	62.7	105.8	63.0	109.4	112.7	100.3	90.3	68.8
2023 Q2	95.2	66.4	102.1	62.4	104.7	62.4	110.6	113.6	104.7	90.0	68.9
2023 Q3	95.2	66.8	102.2	62.7	103.8	63.2	107.6	115.5	104.9	89.1	68.8
2022 Aug	93.6	74.0	99.0	62.1	105.8	69.5	111.4	109.8	96.8	92.7	70.9
2022 Sep	93.7	74.4	99.0	62.8	105.4	70.3	107.6	112.4	96.5	91.4	71.1
2022 Oct	94.0	72.5	100.1	61.5	103.7	68.7	106.2	116.4	97.1	90.7	69.7
2022 Nov	93.9	74.5	99.5	61.6	105.3	71.6	107.3	113.1	98.3	90.0	70.3
2022 Dec	93.9	68.8	99.7	63.9	105.7	65.1	107.4	113.7	99.2	89.4	69.7
2023 Jan	93.9	66.8	100.0	62.9	106.1	62.5	106.8	113.1	98.8	91.1	68.7
2023 Feb	93.8	68.4	100.0	61.9	104.9	63.9	109.8	111.8	100.3	90.4	68.5
2023 Mar	94.5	66.4	100.7	63.4	106.4	62.6	111.5	113.2	101.7	89.3	69.2
2023 Apr	94.7	66.4	101.3	63.0	105.1	62.5	108.1	111.8	104.1	89.6	69.1
2023 May	94.2	66.7	101.1	61.2	103.3	63.0	110.8	112.5	103.6	89.1	68.5
2023 Jun	96.6	66.0	103.9	63.1	105.6	61.8	113.0	116.6	106.4	91.3	69.1
2023 Jul	95.5	65.9	102.6	63.0	104.1	62.2	108.8	115.7	105.7	89.3	68.8
2023 Aug	95.0	68.0	101.9	62.7	102.9	64.5	105.9	115.1	104.1	89.5	69.0
2023 Sep	95.1	66.4	102.0	62.4	104.4	62.9	108.0	115.6	105.0	88.6	68.5
2023 Oct	94.3	66.6	100.9	61.3	106.1	62.7	106.1	114.6	104.0	87.3	68.0

## Percentage change, latest year on previous year

2018	3.1	7.0	4.3	-5.3	1.2	7.1	1.9	8.7	2.8	3.5	-0.8
2019	1.7	1.8	0.5	12.4	0.2	0.8	0.4	2.3	-3.0	4.1	4.8
2020	2.3	0.1	2.2	5.0	1.6	0.5	1.1	4.7	1.7	2.2	1.7
2021	-3.9	-23.4	1.6	-32.1	4.4	-26.8	5.5	8.0	1.5	-4.6	-24.2
2022	-3.5	-0.7	-3.3	-11.6	0.2	-1.7	0.9	-0.3	-5.3	-4.3	-5.8

## Percentage change, latest month on same month a year ago

2021 Aug	-9.5	-15.1	-5.6	-41.2	2.2	-16.0	-1.3	3.5	-8.1	-12.2	-25.1
2021 Sep	-10.8	-14.8	-7.5	-41.7	2.3	-15.9	-1.3	5.6	-12.5	-13.2	-25.9
2021 Oct	-11.4	-17.5	-8.3	-41.7	3.0	-20.2	-8.0	10.0	-18.1	-11.9	-26.8
2021 Nov	-10.2	-17.0	-7.5	-37.4	2.7	-20.8	-5.1	9.1	-15.9	-11.2	-24.3
2021 Dec	-8.6	-21.6	-5.0	-33.7	-0.4	-27.0	5.5	14.1	-13.1	-11.0	-24.4
2022 Jan	-5.8	-13.1	-3.1	-28.9	1.8	-17.9	2.8	4.3	-7.9	-4.4	-17.9
2022 Feb	-5.2	-5.5	-3.5	-24.8	0.8	-8.6	-0.7	5.2	-10.2	-4.8	-13.0
2022 Mar	-5.0	-5.8	-3.7	-21.3	0.6	-9.4	3.8	1.5	-9.2	-3.6	-10.8
2022 Apr	-3.7	12.4	-3.9	-19.2	3.1	14.7	-3.4	2.4	-9.4	-4.8	-3.9
2022 May	-3.3	11.3	-3.1	-19.0	0.8	12.9	-1.3	-2.4	-5.1	-2.7	-5.6
2022 Jun	-3.1	21.7	-4.1	-12.6	0.3	28.9	-0.7	0.4	-5.9	-6.5	-0.5
2022 Jul	-2.4	12.6	-3.5	-3.6	-1.6	14.2	0.2	-2.2	-5.0	-2.4	1.5
2022 Aug	-3.5	-12.9	-3.4	-0.1	-0.2	-17.4	5.6	-3.5	-5.1	-1.2	-6.5
2022 Sep	-2.3	-7.3	-3.0	4.8	1.2	-10.2	1.0	-0.4	-4.5	-3.1	-2.4
2022 Oct	-1.2	-6.2	-1.1	5.1	-3.0	-7.7	4.3	0.2	1.4	-4.9	-1.8
2022 Nov	-2.8	0.8	-3.6	0.6	-1.2	2.8	-	-2.2	-1.6	-7.1	-1.4
2022 Dec	-2.9	-6.2	-3.4	0.9	-0.6	-5.4	-0.3	-5.3	0.1	-5.5	-3.1
2023 Jan	-2.7	-13.4	-2.1	-2.4	-0.9	-13.3	-2.2	1.4	-0.9	-6.7	-7.3
2023 Feb	-2.5	-11.3	-1.7	-3.9	-1.8	-12.2	2.1	-1.5	2.2	-5.7	-7.6
2023 Mar	-1.6	-14.7	-0.8	0.3	-0.4	-14.1	3.2	1.4	3.4	-7.4	-6.3
2023 Apr	-1.2	-16.0	0.3	-1.4	-3.4	-17.1	3.4	-1.3	7.5	-5.8	-8.1
2023 May	-2.0	-16.1	-0.6	-3.5	-2.8	-16.9	4.9	-1.1	5.8	-6.8	-7.9
2023 Jun	1.8	-14.9	3.8	0.5	-1.9	-17.2	5.2	3.9	9.2	-1.3	-5.7
2023 Jul	1.1	-18.5	3.1	0.7	-1.1	-20.3	0.3	3.3	9.3	-3.6	-6.6
2023 Aug	1.5	-8.2	3.0	0.9	-2.7	-7.2	-4.9	4.9	7.5	-3.5	-2.7
2023 Sep	1.5	-10.6	3.0	-0.7	-1.0	-10.5	0.4	2.9	8.8	-3.1	-3.6
2023 Oct	0.4	-8.1	0.8	-0.3	2.2	-8.8	-0.1	-1.5	7.1	-3.7	-2.4

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>												
2021	Aug	0.1	18.4	-0.6	-4.3	-0.9	23.2	-2.5	-0.6	0.2	-1.1	4.7
	Sep	-1.1	-5.6	-0.4	-3.6	-1.7	-7.0	1.1	-0.8	-0.9	0.5	-4.0
	Oct	-0.8	-3.7	-0.8	-2.5	2.6	-4.9	-4.5	3.0	-5.4	1.0	-2.5
	Nov	1.5	-4.4	1.9	4.7	-0.4	-6.5	5.4	-0.5	4.4	1.7	0.4
	Dec	0.2	-0.8	-	3.3	-0.2	-1.2	0.3	3.9	-0.8	-2.4	0.9
2022	Jan	-0.3	5.3	-1.1	1.8	0.6	4.7	1.3	-7.1	0.5	3.2	3.1
	Feb	-0.3	-	-0.3	-0.1	-0.2	1.0	-1.4	1.8	-1.5	-1.8	0.1
	Mar	-0.3	0.8	-0.2	-1.8	0.1	0.1	0.4	-1.6	0.2	0.6	-0.4
	Apr	-0.1	1.6	-0.6	1.0	1.8	3.3	-3.2	1.4	-1.6	-1.3	1.9
	May	0.3	0.6	0.7	-0.6	-2.3	0.7	1.0	0.5	1.1	0.4	-1.2
	Jun	-1.3	-2.5	-1.6	-1.0	1.3	-1.5	1.7	-1.4	-0.5	-3.2	-1.4
	Jul	-0.4	4.3	-0.5	-0.3	-2.2	4.5	1.0	-0.3	-0.8	0.1	0.4
	Aug	-1.0	-8.5	-0.5	-0.7	0.5	-10.9	2.7	-1.9	0.1	0.1	-3.6
	Sep	0.1	0.4	-	1.1	-0.4	1.1	-3.4	2.4	-0.4	-1.4	0.2
	Oct	0.4	-2.5	1.1	-2.2	-1.6	-2.2	-1.3	3.6	0.6	-0.8	-1.9
	Nov	-0.1	2.7	-0.6	0.2	1.5	4.2	1.1	-2.8	1.3	-0.7	0.9
	Dec	-	-7.7	0.3	3.7	0.4	-9.1	-	0.6	1.0	-0.7	-0.9
2023	Jan	-	-2.9	0.3	-1.5	0.4	-4.0	-0.6	-0.6	-0.5	1.9	-1.4
	Feb	-0.1	2.4	-	-1.6	-1.1	2.3	2.9	-1.2	1.6	-0.8	-0.2
	Mar	0.7	-3.0	0.7	2.5	1.5	-2.1	1.6	1.3	1.4	-1.1	1.1
	Apr	0.3	-	0.6	-0.6	-1.2	-0.2	-3.1	-1.3	2.3	0.3	-0.1
	May	-0.5	0.4	-0.2	-2.8	-1.7	0.9	2.5	0.6	-0.4	-0.6	-1.0
	Jun	2.5	-1.1	2.7	3.1	2.2	-1.9	2.0	3.7	2.6	2.5	1.0
	Jul	-1.1	-0.1	-1.3	-0.1	-1.4	0.7	-3.7	-0.8	-0.6	-2.2	-0.5
	Aug	-0.5	3.1	-0.7	-0.5	-1.2	3.7	-2.6	-0.5	-1.5	0.2	0.4
	Sep	-	-2.2	0.1	-0.5	1.4	-2.5	2.0	0.4	0.8	-1.0	-0.7
	Oct	-0.8	0.2	-1.1	-1.8	1.6	-0.4	-1.8	-0.9	-1.0	-1.5	-0.7
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2021	Aug	-6.6	-29.7	-0.3	-38.7	4.8	-33.2	6.7	5.6	-0.1	-8.0	-28.9
	Sep	-9.3	-21.0	-4.9	-41.2	3.6	-22.9	0.9	4.9	-7.5	-11.7	-27.4
	Oct	-10.6	-15.8	-7.1	-41.5	2.5	-17.3	-3.6	6.3	-13.0	-12.4	-25.9
	Nov	-10.8	-16.4	-7.7	-40.3	2.6	-18.9	-4.8	8.2	-15.5	-12.1	-25.7
	Dec	-10.1	-18.7	-6.9	-37.7	1.7	-22.7	-2.7	11.0	-15.7	-11.4	-25.2
2022	Jan	-8.3	-17.3	-5.2	-33.4	1.4	-22.0	0.9	9.1	-12.4	-8.9	-22.3
	Feb	-6.6	-13.8	-3.9	-29.3	0.7	-18.3	2.4	7.8	-10.5	-6.8	-18.6
	Mar	-5.3	-8.3	-3.4	-25.2	1.0	-12.1	1.9	3.6	-9.1	-4.3	-14.0
	Apr	-4.6	-0.2	-3.7	-21.9	1.5	-2.1	-0.2	3.0	-9.6	-4.4	-9.4
	May	-4.0	5.4	-3.6	-19.8	1.5	5.0	-0.3	0.4	-7.9	-3.7	-6.8
	Jun	-3.4	14.9	-3.7	-17.1	1.4	18.4	-1.8	0.1	-6.8	-4.6	-3.4
	Jul	-2.9	15.0	-3.6	-12.2	-0.2	18.2	-0.6	-1.4	-5.3	-3.9	-1.6
	Aug	-3.0	5.4	-3.7	-5.8	-0.5	5.6	1.7	-1.8	-5.3	-3.4	-1.9
	Sep	-2.8	-3.3	-3.3	0.2	-0.2	-5.6	2.2	-2.1	-4.9	-2.2	-2.5
	Oct	-2.4	-8.9	-2.5	3.2	-0.7	-12.0	3.6	-1.3	-2.8	-3.1	-3.6
	Nov	-2.1	-4.4	-2.6	3.4	-1.0	-5.3	1.7	-0.8	-1.6	-5.0	-1.8
	Dec	-2.3	-3.9	-2.7	2.1	-1.6	-3.5	1.3	-2.5	-	-5.8	-2.1
2023	Jan	-2.8	-6.4	-3.0	-0.3	-0.9	-5.4	-0.8	-2.1	-0.8	-6.4	-4.0
	Feb	-2.7	-10.4	-2.4	-1.8	-1.1	-10.4	-0.1	-1.9	0.5	-6.0	-6.1
	Mar	-2.2	-13.1	-1.5	-2.0	-1.0	-13.2	1.0	0.4	1.6	-6.6	-7.1
	Apr	-1.8	-14.0	-0.7	-1.7	-1.9	-14.5	2.9	-0.5	4.3	-6.3	-7.3
	May	-1.6	-15.6	-0.4	-1.5	-2.2	-16.0	3.8	-0.3	5.5	-6.7	-7.4
	Jun	-0.5	-15.7	1.2	-1.5	-2.7	-17.1	4.5	0.5	7.5	-4.6	-7.2
	Jul	0.3	-16.6	2.1	-0.8	-1.9	-18.2	3.4	2.0	8.1	-3.9	-6.7
	Aug	1.5	-14.0	3.3	0.7	-1.9	-15.2	0.1	4.0	8.7	-2.8	-5.0
	Sep	1.4	-12.6	3.0	0.3	-1.6	-12.9	-1.4	3.7	8.5	-3.4	-4.3
	Oct	1.1	-9.0	2.3	-	-0.5	-8.8	-1.6	2.0	7.8	-3.4	-2.9

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.  
2 Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>												
2021	Aug	-2.7	-1.7	-1.7	-16.3	1.0	-1.3	0.8	0.8	-3.5	-3.5	-7.4
	Sep	-2.4	15.4	-2.1	-18.4	-0.3	21.0	-0.9	0.6	-2.8	-4.7	-4.1
	Oct	-2.1	17.2	-2.2	-16.0	-0.8	22.5	-2.9	-	-3.2	-2.9	-2.3
	Nov	-1.4	4.9	-1.2	-9.7	-0.8	5.6	-1.9	1.3	-3.5	-0.4	-3.1
	Dec	-0.5	-5.3	-0.1	-2.2	0.8	-7.8	-1.1	3.1	-3.3	1.3	-3.2
2022	Jan	0.6	-7.5	0.9	4.6	0.9	-11.2	3.3	1.3	-	2.0	-1.1
	Feb	0.6	-1.7	0.2	6.9	0.8	-3.9	2.7	0.1	0.1	0.5	2.4
	Mar	-	3.4	-0.7	4.9	0.3	2.3	2.5	-4.3	0.5	1.1	3.7
	Apr	-0.6	4.3	-1.4	1.3	0.8	5.0	-1.2	-2.5	-1.8	-0.6	2.8
	May	-0.5	3.9	-0.9	-0.8	0.6	4.9	-1.9	-1.9	-1.3	-0.3	1.5
	Jun	-0.6	1.8	-0.9	-1.0	0.6	3.7	-2.2	0.8	-1.4	-2.3	0.3
	Jul	-0.9	1.7	-1.0	-1.4	-1.0	3.4	0.4	-0.1	-0.5	-2.4	-0.9
	Aug	-1.7	-1.7	-1.9	-1.5	-1.0	-0.8	2.8	-1.4	-0.7	-3.3	-2.5
	Sep	-1.8	-2.9	-1.7	-1.3	-1.9	-3.5	3.1	-1.5	-0.7	-2.3	-3.3
	Oct	-1.5	-7.2	-1.1	-1.3	-1.3	-8.8	1.2	0.1	-0.6	-2.1	-4.3
	Nov	-0.5	-4.8	-	-0.9	-1.4	-5.3	-1.9	2.3	0.3	-2.0	-3.1
	Dec	-	-5.9	0.6	-0.3	-0.6	-5.7	-2.0	2.7	1.6	-2.4	-2.7
2023	Jan	0.1	-4.9	0.4	1.0	0.7	-4.5	-1.2	0.4	2.0	-1.6	-1.5
	Feb	-	-7.8	0.4	1.4	0.7	-9.0	0.9	-0.9	2.2	-0.5	-2.0
	Mar	0.1	-6.6	0.5	0.6	0.8	-8.0	2.3	-1.5	2.1	0.3	-1.6
	Apr	0.5	-4.2	0.9	-0.1	-0.2	-5.1	2.5	-0.9	3.3	-0.4	-0.8
	May	0.6	-2.2	1.1	-0.5	-0.6	-1.8	2.0	-0.3	3.7	-1.0	-
	Jun	1.2	-1.2	1.9	-0.4	-1.1	-0.9	1.1	0.8	4.4	-0.3	0.2
	Jul	1.2	-1.3	1.9	-0.4	-1.1	-1.0	0.9	2.4	3.1	0.2	-0.2
	Aug	1.3	0.2	1.7	0.7	-0.7	0.3	-0.8	2.9	2.2	0.8	-
	Sep	-	0.6	0.1	0.4	-0.8	1.3	-2.8	1.6	0.2	-1.0	-0.2
	Oct	-0.7	1.2	-0.9	-0.5	0.1	1.6	-3.7	0.1	-0.9	-1.6	-0.4

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

2 Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8
	K22B	K22P	K22T	K22X	K22Z	K239
2018	99.9	88.9	98.1	123.0	87.3	94.6
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	103.4	66.7	89.3	85.6	101.9	120.2
2021	114.4	119.2	92.5	82.4	90.8	121.9
2022	116.8	127.3	88.3	87.3	86.9	116.3
2022 Q3	116.3	127.4	87.1	80.8	85.6	111.7
Q4	115.1	125.4	84.4	81.1	80.9	129.1
2023 Q1	115.2	122.5	82.8	85.3	80.4	121.5
Q2	115.7	120.8	83.0	89.7	78.7	125.0
Q3	117.1	119.0	83.7	83.5	79.7	128.0
2022 Aug	116.9	128.0	86.7	81.6	86.8	104.1
Sep	114.9	127.5	85.5	79.9	84.8	120.0
Oct	115.1	124.9	85.7	81.3	83.2	135.7
Nov	115.6	125.3	84.2	81.7	80.8	123.6
Dec	114.7	125.8	83.3	80.5	78.8	128.1
2023 Jan	115.3	125.4	83.2	82.8	82.2	121.1
Feb	115.4	122.1	82.6	84.4	79.5	118.9
Mar	115.0	119.9	82.6	88.6	79.5	124.4
Apr	114.2	118.8	83.5	90.2	78.6	121.9
May	115.7	119.8	82.0	91.4	78.1	121.4
Jun	117.3	123.9	83.5	87.5	79.5	131.8
Jul	117.1	117.8	84.4	83.9	79.7	128.6
Aug	116.6	119.7	84.0	84.4	79.1	128.0
Sep	117.6	119.6	82.6	82.2	80.2	127.4
Oct	117.7	115.9	81.9	82.2	78.3	125.9

## Percentage change, latest year on previous year

2018	13.0	1.8	4.0	-14.9	9.0	2.9
2019	0.1	12.5	1.9	-18.7	14.5	5.7
2020	3.4	-33.3	-10.7	-14.4	1.9	20.2
2021	10.7	78.6	3.7	-3.7	-10.9	1.4
2022	2.1	6.8	-4.6	5.9	-4.3	-4.6

## Percentage change, latest month on same month a year ago

2021 Aug	8.5	78.8	-1.7	14.7	-14.4	-6.4
Sep	8.1	80.0	0.7	-4.3	-15.0	-1.8
Oct	9.2	74.8	4.6	-1.0	-12.6	11.7
Nov	9.1	65.4	-0.8	7.4	-12.9	10.9
Dec	8.5	47.9	-0.9	5.3	-4.2	27.5
2022 Jan	10.6	46.9	0.9	16.0	0.9	-10.0
Feb	8.1	35.0	1.2	28.2	-0.6	-1.9
Mar	7.0	22.1	1.0	34.0	1.5	-11.4
Apr	2.0	15.9	-6.1	23.8	-4.1	5.1
May	2.2	6.1	-4.6	14.8	0.4	-11.6
Jun	0.3	-2.8	-4.6	-4.2	-7.1	1.2
Jul	0.8	1.6	-3.7	-6.9	-4.6	-10.1
Aug	0.8	0.2	-3.8	-6.4	-1.1	-14.0
Sep	-1.1	-2.8	-6.7	-0.7	-2.7	3.3
Oct	-1.4	-5.4	-9.6	-1.0	-7.2	6.6
Nov	-1.5	-7.3	-9.0	-7.5	-10.9	-0.6
Dec	-1.5	-2.8	-9.7	-6.9	-15.7	-9.2
2023 Jan	-1.9	-3.7	-9.8	-6.8	-14.8	11.8
Feb	-1.8	-3.0	-11.0	-8.5	-13.6	1.9
Mar	-2.6	-7.5	-10.6	-8.3	-12.2	15.5
Apr	-3.3	-9.7	-7.6	-7.4	-12.2	9.2
May	-2.7	-6.8	-9.1	-6.1	-13.4	5.9
Jun	0.1	0.1	-4.2	-2.8	-6.5	15.9
Jul	-0.1	-6.9	-5.2	3.8	-6.4	15.9
Aug	-0.3	-6.5	-3.1	3.4	-8.9	23.0
Sep	2.4	-6.2	-3.4	2.8	-5.4	6.2
Oct	2.3	-7.3	-4.5	1.2	-5.9	-7.2

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2018	98.7	103.7	99.4	86.0	109.4	102.9	101.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	100.2	107.6	103.9	135.2	104.7	99.7	98.8
2021	103.8	93.5	106.8	94.1	107.1	100.4	102.8
2022	99.9	87.7	107.4	80.0	94.5	93.3	102.8
2022 Q3	99.1	86.5	109.2	79.0	92.5	90.8	103.2
Q4	97.5	84.6	108.6	78.1	92.1	94.4	103.2
2023 Q1	97.6	88.4	111.4	77.1	93.1	96.4	105.4
Q2	94.6	90.1	113.9	80.4	92.7	105.0	107.5
Q3	86.6	92.6	111.9	85.8	92.7	107.4	104.1
2022 Aug	99.6	86.7	111.4	79.9	92.4	89.8	104.1
Sep	97.3	86.0	108.6	79.0	91.4	90.9	102.4
Oct	98.2	84.9	107.4	78.8	91.1	93.0	102.5
Nov	96.8	84.9	108.8	78.0	91.8	94.8	103.4
Dec	97.5	84.1	109.7	77.5	93.5	95.4	103.8
2023 Jan	99.1	88.0	108.4	80.8	92.4	94.5	105.0
Feb	98.5	87.9	111.8	74.6	93.8	96.3	105.4
Mar	95.2	89.3	114.1	75.9	93.2	98.3	105.9
Apr	94.5	89.2	109.8	79.6	94.6	103.9	108.4
May	93.4	89.9	114.5	77.2	92.1	102.7	106.6
Jun	95.9	91.2	117.4	84.5	91.5	108.3	107.4
Jul	88.0	92.3	113.4	86.0	93.7	106.8	106.2
Aug	87.0	93.1	109.7	85.1	91.0	108.2	103.1
Sep	84.8	92.3	112.7	86.4	93.4	107.3	102.9
Oct	82.9	91.0	109.9	84.0	90.6	107.7	102.6

## Percentage change, latest year on previous year

2018	5.2	0.3	1.0	-0.5	10.1	-1.5	4.7
2019	1.3	-3.6	0.6	16.3	-8.6	-2.8	-1.2
2020	0.2	7.6	3.9	35.2	4.7	-0.3	-1.2
2021	3.6	-13.1	2.8	-30.4	2.3	0.6	4.0
2022	-3.8	-6.2	0.5	-15.0	-11.8	-7.0	-

## Percentage change, latest month on same month a year ago

2021 Aug	-7.9	-19.2	-3.3	-47.8	-13.0	-9.4	-2.1
Sep	-7.2	-23.3	-3.8	-46.1	-14.9	-19.1	-1.6
Oct	-5.4	-24.8	-10.5	-43.7	-30.6	-22.0	-0.5
Nov	-4.2	-21.9	-5.8	-43.8	-25.9	-21.1	-2.2
Dec	-9.1	-22.8	8.1	-28.4	-30.1	-16.4	-3.2
2022 Jan	-4.0	-13.3	2.7	-29.9	-12.7	-12.7	-2.7
Feb	-5.6	-10.2	-4.5	-28.8	-14.3	-15.4	0.5
Mar	-7.3	-8.7	1.3	-22.2	-18.5	-13.0	2.2
Apr	-4.5	-6.8	-6.6	-21.9	-17.6	-8.4	-2.2
May	1.7	-7.2	-4.1	-19.0	-12.7	-1.1	-1.6
Jun	-2.3	-9.3	-1.3	-10.7	-12.1	-6.6	-1.3
Jul	-0.7	-2.7	1.6	-9.0	-9.0	-8.0	-1.6
Aug	-0.9	-1.9	5.9	-2.7	-11.1	-11.0	2.6
Sep	-4.8	-1.9	3.5	-3.2	-15.6	-5.7	0.2
Oct	-5.4	-1.6	7.1	-3.4	-1.7	0.9	-0.5
Nov	-9.0	-4.3	1.0	-3.8	-9.2	-	1.2
Dec	-2.0	-4.3	0.8	-8.6	-3.4	0.3	3.5
2023 Jan	-1.9	-2.8	-0.9	-4.5	-9.4	1.0	3.7
Feb	-0.9	-3.4	5.9	-9.1	-3.8	3.3	1.5
Mar	-5.3	-2.2	7.1	-9.2	-2.1	4.0	2.3
Apr	-7.1	-1.0	6.4	-1.2	1.1	9.8	7.7
May	-10.9	1.5	9.9	-1.9	-4.3	8.1	4.3
Jun	-5.0	4.6	10.7	6.6	-4.0	16.1	4.2
Jul	-12.3	6.4	5.4	9.8	-	16.6	3.1
Aug	-12.7	7.4	-1.5	6.5	-1.5	20.5	-1.0
Sep	-12.9	7.3	3.8	9.4	2.2	17.9	0.4
Oct	-15.5	7.3	2.3	6.7	-0.5	15.8	0.2

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8
	K22B	K22P	K22T	K22X	K22Z	K239

## Percentage change, latest month on previous month

2021	Aug	-0.3	2.6	-2.6	0.4	-1.6	-1.9
	Sep	0.1	2.7	1.7	-7.7	-0.8	-4.0
	Oct	0.5	0.6	3.5	2.0	2.9	9.6
	Nov	0.6	2.4	-2.4	7.6	1.1	-2.3
	Dec	-0.8	-4.2	-0.3	-2.1	3.2	13.5
2022	Jan	1.0	0.5	0.1	2.8	3.2	-23.3
	Feb	-0.1	-3.3	0.5	3.8	-4.7	7.8
	Mar	0.5	3.0	-0.4	4.7	-1.6	-7.6
	Apr	0.1	1.5	-2.1	0.9	-1.1	3.6
	May	0.6	-2.3	-0.2	-0.2	0.7	2.6
	Jun	-1.4	-3.7	-3.4	-7.5	-5.8	-0.7
	Jul	-	2.2	2.1	-10.3	0.2	-2.5
	Aug	-0.2	1.2	-2.7	1.0	2.0	-6.2
	Sep	-1.7	-0.4	-1.3	-2.1	-2.3	15.3
	Oct	0.2	-2.0	0.2	1.7	-1.8	13.0
	Nov	0.5	0.3	-1.8	0.5	-3.0	-8.9
	Dec	-0.8	0.4	-1.0	-1.5	-2.4	3.7
	2023	Jan	0.5	-0.3	-0.1	2.9	4.3
Feb		0.1	-2.7	-0.8	2.0	-3.3	-1.8
Mar		-0.4	-1.8	-	4.9	0.1	4.7
Apr		-0.7	-1.0	1.2	1.9	-1.1	-2.0
May		1.3	0.9	-1.8	1.3	-0.7	-0.4
Jun		1.4	3.4	1.9	-4.2	1.7	8.6
Jul		-0.2	-4.9	1.1	-4.2	0.3	-2.5
Aug		-0.4	1.7	-0.6	0.6	-0.8	-0.4
Sep		0.9	-0.1	-1.7	-2.6	1.4	-0.5
Oct		0.1	-3.1	-0.8	0.1	-2.3	-1.2

## Percentage change, latest 3 months on same 3 months a year ago

2021	Aug	11.2	92.8	2.8	15.3	-11.7	-8.2
	Sep	8.8	81.3	0.4	6.7	-13.8	-4.6
	Oct	8.6	77.8	1.2	2.8	-14.0	0.8
	Nov	8.8	73.1	1.5	0.7	-13.5	6.8
	Dec	8.9	62.0	0.9	3.9	-10.0	16.6
2022	Jan	9.4	53.1	-0.3	9.4	-5.6	8.9
	Feb	9.0	43.1	0.4	16.0	-1.3	4.6
	Mar	8.5	33.9	1.0	25.9	0.6	-7.8
	Apr	5.6	23.7	-1.4	28.5	-1.1	-3.1
	May	3.7	14.4	-3.3	23.7	-0.8	-6.6
	Jun	1.5	6.0	-5.1	10.6	-3.6	-2.4
	Jul	1.1	1.5	-4.3	1.0	-3.8	-7.2
	Aug	0.6	-0.3	-4.0	-5.8	-4.3	-7.9
	Sep	0.2	-0.3	-4.7	-4.8	-2.8	-7.1
	Oct	-0.5	-2.7	-6.7	-2.8	-3.7	-1.3
	Nov	-1.3	-5.2	-8.5	-3.2	-7.0	3.1
	Dec	-1.5	-5.2	-9.5	-5.2	-11.3	-1.4
	2023	Jan	-1.6	-4.6	-9.5	-7.0	-13.8
Feb		-1.7	-3.2	-10.2	-7.4	-14.7	0.5
Mar		-2.1	-4.7	-10.5	-7.8	-13.6	9.5
Apr		-2.6	-6.8	-9.7	-8.0	-12.7	8.7
May		-2.9	-8.0	-9.1	-7.2	-12.6	10.1
Jun		-2.0	-5.5	-7.0	-5.5	-10.8	10.3
Jul		-0.9	-4.6	-6.2	-2.0	-8.8	12.5
Aug		-0.1	-4.5	-4.2	1.3	-7.3	18.1
Sep		0.7	-6.5	-3.9	3.4	-6.9	14.6
Oct		1.4	-6.7	-3.7	2.5	-6.8	6.0

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>†</sup>

Seasonally adjusted 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest month on previous month

2021	Aug	-0.6	-0.8	-0.7	-4.5	0.9	1.4	-3.2
	Sep	1.8	-0.8	-0.2	-0.6	4.3	-4.4	0.8
	Oct	1.5	-1.6	-4.4	-0.1	-14.5	-4.5	0.7
	Nov	2.4	2.9	7.4	-0.6	9.0	2.9	-0.7
	Dec	-6.4	-0.9	1.0	4.7	-4.2	0.2	-1.9
2022	Jan	1.6	2.9	0.5	-0.3	5.5	-1.6	1.0
	Feb	-1.7	0.6	-3.5	-3.0	-4.5	-0.3	2.6
	Mar	1.2	0.4	1.0	1.8	-2.3	1.4	-0.3
	Apr	1.2	-1.3	-3.2	-3.6	-1.7	0.1	-2.8
	May	3.1	-1.8	0.9	-2.2	2.9	0.4	1.5
	Jun	-3.7	-1.4	1.9	0.7	-1.0	-1.8	0.9
	Jul	-0.6	-0.6	1.4	-1.3	-1.7	-1.8	-
	Aug	-0.8	-	3.5	2.0	-1.4	-2.0	1.0
	Sep	-2.3	-0.8	-2.5	-1.1	-1.1	1.3	-1.6
	Oct	0.9	-1.3	-1.1	-0.2	-0.3	2.3	-
	Nov	-1.4	0.1	1.3	-1.0	0.8	1.9	0.9
	Dec	0.8	-0.9	0.8	-0.6	1.9	0.6	0.4
2023	Jan	1.6	4.5	-1.2	4.3	-1.1	-0.9	1.2
	Feb	-0.7	-	3.2	-7.7	1.5	1.9	0.4
	Mar	-3.3	1.6	2.1	1.7	-0.6	2.1	0.5
	Apr	-0.8	-0.1	-3.8	4.9	1.5	5.7	2.4
	May	-1.2	0.7	4.2	-3.0	-2.6	-1.2	-1.7
	Jun	2.7	1.5	2.6	9.5	-0.7	5.5	0.8
	Jul	-8.3	1.2	-3.5	1.7	2.4	-1.5	-1.1
	Aug	-1.1	0.9	-3.2	-1.1	-2.9	1.3	-2.9
	Sep	-2.5	-0.9	2.8	1.6	2.7	-0.9	-0.2
	Oct	-2.2	-1.4	-2.5	-2.7	-3.0	0.4	-0.3

## Percentage change, latest 3 months on same 3 months a year ago

2021	Aug	-1.7	-14.9	2.3	-43.2	-4.2	0.7	6.0
	Sep	-6.2	-19.8	-1.7	-45.7	-11.3	-10.4	0.2
	Oct	-6.8	-22.5	-5.9	-45.9	-19.8	-17.0	-1.4
	Nov	-5.6	-23.3	-6.7	-44.5	-23.9	-20.7	-1.4
	Dec	-6.2	-23.2	-3.1	-39.3	-28.8	-19.9	-2.0
2022	Jan	-5.8	-19.5	1.4	-34.6	-23.4	-16.9	-2.7
	Feb	-6.3	-15.7	1.9	-29.1	-19.7	-14.9	-1.8
	Mar	-5.7	-10.8	-0.2	-27.1	-15.2	-13.7	-
	Apr	-5.8	-8.6	-3.4	-24.4	-16.8	-12.3	0.1
	May	-3.5	-7.6	-3.2	-21.1	-16.3	-7.7	-0.6
	Jun	-1.7	-7.7	-4.0	-17.5	-14.2	-5.4	-1.7
	Jul	-0.4	-6.5	-1.3	-13.2	-11.3	-5.3	-1.5
	Aug	-1.3	-4.7	2.1	-7.6	-10.8	-8.6	-0.1
	Sep	-2.1	-2.1	3.7	-5.1	-12.0	-8.3	0.4
	Oct	-3.7	-1.8	5.5	-3.1	-9.9	-5.5	0.8
	Nov	-6.4	-2.6	3.8	-3.4	-9.2	-1.7	0.3
	Dec	-5.5	-3.4	2.8	-5.3	-4.8	0.4	1.4
2023	Jan	-4.4	-3.8	0.3	-5.7	-7.4	0.4	2.8
	Feb	-1.6	-3.5	1.9	-7.4	-5.6	1.5	2.9
	Mar	-2.7	-2.8	4.0	-7.6	-5.2	2.8	2.5
	Apr	-4.4	-2.2	6.5	-6.6	-1.6	5.7	3.8
	May	-7.8	-0.6	7.8	-4.2	-1.8	7.3	4.7
	Jun	-7.7	1.7	9.0	1.1	-2.4	11.3	5.4
	Jul	-9.4	4.2	8.6	4.8	-2.8	13.5	3.9
	Aug	-10.0	6.1	4.8	7.6	-1.9	17.7	2.1
	Sep	-12.6	7.0	2.5	8.6	0.2	18.3	0.9
	Oct	-13.7	7.3	1.5	7.5	0.1	18.1	-0.1

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE	CF	
Latest weight	115.8	23.9	48.0	12.6	44.2	49.8	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest 3 months on previous 3 months</b>							
2021	Aug	1.9	11.4	-3.0	13.8	-1.4	-0.2
	Sep	-0.2	5.9	-2.9	-1.2	-3.8	3.5
	Oct	-0.2	4.8	-0.7	-6.0	-2.2	-0.3
	Nov	0.3	5.0	1.8	-6.4	-0.4	3.1
	Dec	0.6	3.5	2.0	0.9	3.6	8.9
2022	Jan	0.8	1.0	0.2	5.5	6.0	2.5
	Feb	0.4	-3.3	-0.6	6.6	5.4	-0.5
	Mar	0.8	-2.8	-0.8	8.1	1.9	-15.3
	Apr	0.7	-2.0	-0.6	8.6	-3.0	-10.1
	May	1.0	1.1	-1.6	8.9	-4.1	-8.8
	Jun	0.3	-0.5	-3.4	2.6	-5.1	2.2
	Jul	-0.1	-2.1	-3.3	-6.3	-4.3	1.0
	Aug	-1.1	-2.9	-3.7	-13.3	-4.9	-1.6
	Sep	-1.5	-0.4	-2.5	-14.9	-3.0	-1.5
	Oct	-1.8	0.5	-3.2	-9.4	-2.1	6.0
	Nov	-1.6	-0.1	-2.9	-3.8	-3.2	15.4
	Dec	-1.0	-1.6	-3.1	0.5	-5.4	15.6
2023	Jan	-0.3	-1.1	-2.8	0.9	-5.1	3.6
	Feb	-	-1.2	-2.4	2.0	-3.3	-3.0
	Mar	0.1	-2.3	-1.9	5.1	-0.7	-5.9
	Apr	-0.3	-4.2	-0.8	7.5	-1.7	-2.0
	May	-0.1	-4.0	-0.4	9.1	-1.8	-0.1
	Jun	0.4	-1.3	0.3	5.2	-2.1	2.9
	Jul	1.6	0.2	0.5	-0.2	-0.1	4.5
	Aug	1.8	0.8	1.5	-5.3	0.9	5.6
	Sep	1.2	-1.5	0.8	-7.0	1.2	2.4
	Oct	0.5	-1.7	-0.6	-5.3	0.1	-0.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest 3 months on previous 3 months

2021	Aug	-4.1	-6.3	-1.8	-16.5	-7.5	-2.5	0.8
	Sep	-2.9	-8.0	-3.3	-13.6	-5.1	-0.7	-0.9
	Oct	-0.3	-6.6	-3.6	-9.9	-5.2	-2.0	-2.1
	Nov	2.5	-4.0	-1.7	-5.0	-4.2	-5.6	-1.1
	Dec	1.9	-0.8	0.3	-0.9	-7.8	-5.0	-1.0
2022	Jan	0.1	1.9	5.0	2.2	-1.6	-2.1	-1.0
	Feb	-4.0	2.6	3.4	3.0	-1.9	-0.5	-0.6
	Mar	-2.8	3.8	1.4	1.1	1.5	-0.2	1.1
	Apr	-1.8	2.0	-3.3	-1.8	-4.5	-0.4	1.4
	May	2.4	0.2	-3.0	-3.5	-3.8	0.8	0.3
	Jun	2.2	-2.5	-2.5	-4.7	-3.3	0.5	-0.9
	Jul	1.5	-3.7	0.8	-4.0	-0.4	-0.9	0.1
	Aug	-2.0	-3.5	3.5	-2.2	-1.3	-3.3	1.2
	Sep	-3.3	-2.4	4.5	-0.6	-2.7	-3.7	1.2
	Oct	-3.6	-1.9	3.0	0.5	-3.7	-2.2	0.2
	Nov	-2.9	-1.9	-	-0.7	-2.5	1.5	-0.6
	Dec	-1.6	-2.1	-0.5	-1.2	-0.4	4.0	-
2023	Jan	-0.6	-0.2	-0.2	-0.5	1.1	4.0	1.0
	Feb	1.0	1.6	1.5	-1.2	2.0	2.7	1.9
	Mar	0.1	4.4	2.6	-1.3	1.1	2.1	2.2
	Apr	-1.8	3.7	2.7	-2.7	1.4	4.9	2.4
	May	-4.1	3.2	2.6	-0.1	0.1	6.6	2.1
	Jun	-3.1	2.0	2.2	4.3	-0.4	8.9	1.9
	Jul	-3.8	2.6	2.8	7.7	-1.5	6.4	0.2
	Aug	-4.3	3.1	0.6	9.9	-1.4	6.0	-1.3
	Sep	-8.4	2.7	-1.7	6.7	-0.1	2.3	-3.2
	Oct	-8.1	1.1	-3.7	3.1	-0.8	1.7	-3.6

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