

Statistical bulletin

Index of Production, UK: October 2024

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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Next release:
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1 . Main points

- Monthly production output was estimated to have decreased by 0.6% in October 2024; this follows an increase of 0.5% in August 2024 and a decrease of 0.5% in September 2024.
- Monthly production output in October 2024 was at its lowest level since May 2020.
- The fall in monthly output in October 2024 resulted from decreases in "mining and quarrying" (down 3.1%) and "manufacturing" (down 0.6%); these reductions were partially offset by rises in "electricity and gas" (1.4%) and "water supply and sewerage" (0.5%).
- The monthly decrease in manufacturing output in October 2024 saw decreases in 7 of its 13 subsectors; the largest negative contribution to manufacturing output in October 2024 came from "basic pharmaceutical products" (down 2.6%).
- Production output for the three months to October 2024 was estimated to have decreased by 0.3% compared with the three months to July 2024; this is the sixth consecutive three-monthly fall since the three months to April 2024.
- There were decreases in "mining and quarrying" (down 2.0%), "electricity and gas" (down 1.2%) and "water supply and sewerage" (down 0.2%) in the three months to October 2024; in contrast, "manufacturing" remained flat at 0.0%.

2 . Data on the Index of Production

[Index of Production time series](#)

Dataset DIOP | Released 13 December 2024

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 2024

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 2024

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 2024

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 2024

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 Index of Production (IoP) are available on our [Related data page](#).

3 . Data sources and quality

The Index of Production (IoP) uses data from a variety of sources. It is calculated by taking turnover and removing the effect 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 MBS is fully online. Business owners can log on from any location and submit their data at an appropriate time.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small- and medium-sized businesses. More information is available in 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](#).

Response rates for October 2024

For October 2024, MBS response rates were 74.5%, based on forms returned. This accounted for 83.6% of total turnover coverage of the sample population. For further information, see our [current and historical MBS \(production\) response rates dataset](#).

Quality and methodology

The data reported in IoP bulletins and datasets are estimates that are subject to uncertainty, such as sampling variability and non-sampling error. More information is available in Section 2 of our [Uncertainty and how we measure it for our surveys web page](#).

More quality and methodology information (QMI) on strengths, limitations, appropriate uses, and how the data were created is available in our [Index of Production, UK QMI](#). This was last updated on 7 June 2024.

Accredited official statistics

These accredited official statistics were [independently reviewed by the Office for Statistics Regulation in April 2014](#). They comply with the standards of trustworthiness, quality and value in [the Code of Practice for Statistics](#) and should be labelled "accredited official statistics".

Revisions to Index of Production

In line with the [National Accounts Revisions Policy](#), this release gives data for October 2024 for the first time with no previous periods open for revision.

4 . Related links

[GDP monthly estimate, UK: October 2024](#)

Bulletin | Released 13 December 2024

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.

[GDP first quarterly estimate, UK: July to September 2024](#)

Bulletin | Released 15 November 2024

First quarterly estimate of gross domestic product (GDP). Contains current and constant price data on the value of goods and services to indicate the economic performance of the UK.

[Index of Services, UK: October 2024](#)

Bulletin | Released 13 December 2024

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

[Producer price inflation, UK: October 2024](#)

Bulletin | Released 20 November 2024

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: 2023 results](#)

Bulletin | Released 19 September 2024

Annual estimates for UK manufacturers' sales by product covered by the ProdCom survey.

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

Web page | Last updated 28 November 2024

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 2024, ONS website, statistical bulletin, [Index of Production, UK: October 2024](#).

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2022 = 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 | 136.7 | 688.9 | 83.6 | 90.8 | 123.2 | 61.9 | 189.2 | 246.5 | 235.2 | 246.3 |
| | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T |
| 2019 | 104.6 | 124.0 | 101.8 | 132.7 | 93.8 | 130.9 | 95.9 | 95.9 | 98.9 | 111.8 | 121.7 |
| 2020 | 107.5 | 125.1 | 104.0 | 144.8 | 95.1 | 131.6 | 96.7 | 98.7 | 100.1 | 116.6 | 126.9 |
| 2021 | 106.8 | 103.5 | 108.0 | 108.6 | 100.4 | 101.4 | 104.9 | 105.1 | 107.1 | 113.7 | 103.2 |
| 2022 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2023 | 98.8 | 87.2 | 100.7 | 103.7 | 97.1 | 87.3 | 97.9 | 101.5 | 106.8 | 93.7 | 94.1 |
| 2023 Q3 | 99.4 | 87.9 | 101.5 | 104.4 | 96.2 | 88.2 | 96.9 | 102.0 | 108.9 | 93.7 | 94.7 |
| Q4 | 97.9 | 85.3 | 100.2 | 101.3 | 95.7 | 85.4 | 95.4 | 101.8 | 107.6 | 91.7 | 92.3 |
| 2024 Q1 | 98.0 | 83.5 | 100.9 | 102.7 | 93.4 | 84.0 | 93.4 | 101.8 | 108.7 | 92.1 | 92.2 |
| Q2 | 97.7 | 83.1 | 100.2 | 103.0 | 95.3 | 83.3 | 92.0 | 102.3 | 106.9 | 91.9 | 91.7 |
| Q3 | 97.5 | 83.1 | 100.4 | 100.3 | 94.5 | 83.2 | 92.2 | 102.9 | 106.4 | 92.7 | 90.7 |
| 2023 Aug | 99.5 | 89.8 | 101.4 | 103.9 | 95.3 | 90.2 | 95.5 | 101.4 | 108.7 | 94.1 | 95.5 |
| Sep | 99.1 | 87.0 | 100.9 | 106.3 | 96.5 | 87.3 | 97.2 | 101.6 | 108.5 | 92.8 | 94.9 |
| Oct | 97.4 | 85.1 | 99.5 | 101.1 | 96.7 | 84.9 | 96.0 | 99.9 | 107.7 | 91.1 | 91.9 |
| Nov | 97.8 | 86.0 | 100.1 | 100.8 | 95.5 | 86.1 | 96.1 | 102.2 | 107.6 | 91.1 | 92.4 |
| Dec | 98.4 | 85.0 | 101.1 | 102.1 | 94.8 | 85.3 | 94.1 | 103.2 | 107.4 | 93.0 | 92.6 |
| 2024 Jan | 97.5 | 84.1 | 100.2 | 101.7 | 93.1 | 84.7 | 94.1 | 99.3 | 109.4 | 91.3 | 92.2 |
| Feb | 98.1 | 82.9 | 101.1 | 103.0 | 93.7 | 83.2 | 93.6 | 101.2 | 109.5 | 92.3 | 92.0 |
| Mar | 98.4 | 83.6 | 101.4 | 103.3 | 93.3 | 83.9 | 92.4 | 104.8 | 107.2 | 92.7 | 92.3 |
| Apr | 97.6 | 84.3 | 99.7 | 104.6 | 95.3 | 84.8 | 92.1 | 101.4 | 106.8 | 91.1 | 92.9 |
| May | 97.4 | 83.5 | 99.8 | 102.2 | 95.4 | 83.8 | 91.5 | 102.6 | 106.1 | 91.2 | 91.6 |
| Jun | 98.1 | 81.5 | 101.2 | 102.3 | 95.4 | 81.2 | 92.5 | 102.9 | 107.7 | 93.5 | 90.6 |
| Jul | 97.4 | 85.1 | 99.9 | 100.3 | 94.0 | 85.3 | 91.3 | 102.8 | 105.4 | 92.5 | 91.6 |
| Aug | 97.8 | 80.6 | 101.2 | 101.2 | 95.1 | 80.4 | 92.6 | 103.5 | 107.3 | 93.7 | 89.8 |
| Sep | 97.3 | 83.6 | 100.2 | 99.3 | 94.4 | 83.9 | 92.6 | 102.5 | 106.5 | 92.1 | 90.8 |
| Oct | 96.7 | 81.0 | 99.6 | 100.7 | 94.9 | 80.8 | 93.8 | 101.2 | 105.9 | 92.2 | 89.6 |
| Percentage change, latest year on previous year | | | | | | | | | | | |
| 2019 | 1.8 | 2.0 | 0.4 | 13.0 | 0.2 | 1.1 | 0.3 | 2.2 | -3.0 | 4.1 | 5.2 |
| 2020 | 2.8 | 0.8 | 2.2 | 9.2 | 1.4 | 0.6 | 0.9 | 2.9 | 1.2 | 4.3 | 4.2 |
| 2021 | -0.7 | -17.3 | 3.8 | -25.0 | 5.6 | -22.9 | 8.5 | 6.5 | 7.0 | -2.5 | -18.7 |
| 2022 | -6.4 | -3.3 | -7.4 | -7.9 | -0.4 | -1.4 | -4.7 | -4.9 | -6.6 | -12.1 | -3.1 |
| 2023 | -1.2 | -12.8 | 0.7 | 3.7 | -2.9 | -12.7 | -2.1 | 1.5 | 6.8 | -6.3 | -5.9 |
| Percentage change, latest month on same month a year ago | | | | | | | | | | | |
| 2022 Aug | -6.8 | -15.4 | -8.1 | 3.3 | -1.1 | -17.7 | -1.4 | -8.8 | -6.7 | -10.1 | -2.9 |
| Sep | -5.7 | -8.9 | -7.8 | 10.5 | -0.4 | -8.7 | -6.6 | -5.4 | -6.9 | -11.7 | 2.3 |
| Oct | -4.2 | -10.0 | -5.3 | 14.5 | -3.6 | -8.0 | -3.1 | -4.8 | - | -12.2 | 1.4 |
| Nov | -4.7 | -1.8 | -6.8 | 9.8 | -2.5 | 2.3 | -6.5 | -6.2 | -2.7 | -12.8 | 3.8 |
| Dec | -4.4 | -7.6 | -5.7 | 14.5 | -2.9 | -4.2 | -6.3 | -8.5 | 0.5 | -10.8 | 1.9 |
| 2023 Jan | -4.0 | -16.8 | -3.4 | 12.5 | -2.4 | -14.9 | -7.2 | 0.6 | -0.1 | -11.1 | -4.8 |
| Feb | -2.9 | -11.7 | -2.4 | 9.1 | -3.0 | -10.6 | -2.5 | -1.3 | 3.4 | -9.4 | -3.7 |
| Mar | -1.7 | -13.1 | -1.2 | 13.4 | -0.6 | -11.6 | -0.2 | 2.4 | 4.4 | -10.4 | -3.0 |
| Apr | -2.0 | -15.6 | -0.2 | 6.6 | -3.7 | -15.5 | -0.5 | -1.0 | 8.3 | -8.3 | -7.3 |
| May | -2.8 | -15.1 | -0.8 | 0.6 | -3.7 | -15.0 | 2.4 | -0.4 | 6.7 | -8.8 | -8.1 |
| Jun | 0.6 | -14.1 | 3.9 | 2.3 | -3.8 | -15.2 | 2.5 | 5.5 | 10.4 | -3.4 | -7.5 |
| Jul | 0.2 | -18.3 | 3.7 | 2.3 | -2.5 | -19.3 | -2.7 | 4.8 | 11.1 | -4.5 | -9.0 |
| Aug | 0.8 | -6.2 | 2.7 | 3.8 | -4.2 | -5.3 | -8.0 | 4.8 | 8.1 | -4.4 | -2.5 |
| Sep | 0.4 | -11.3 | 2.6 | 3.6 | -2.0 | -11.4 | -1.3 | 1.9 | 9.5 | -4.0 | -4.7 |
| Oct | -1.2 | -10.5 | 0.9 | -1.9 | -1.1 | -11.5 | -0.5 | -1.9 | 8.9 | -4.7 | -6.6 |
| Nov | -1.4 | -12.7 | 1.4 | -1.7 | -3.7 | -13.9 | -2.4 | 1.7 | 6.7 | -4.1 | -7.7 |
| Dec | -0.4 | -6.7 | 1.8 | -4.2 | -3.8 | -7.2 | -4.3 | 1.8 | 5.0 | -1.2 | -4.9 |
| 2024 Jan | -0.7 | -1.0 | 0.6 | -4.5 | -6.2 | 0.3 | -3.5 | -2.0 | 7.4 | -4.6 | -1.6 |
| Feb | -0.5 | -8.2 | 1.5 | -1.6 | -4.2 | -7.7 | -6.0 | 1.0 | 5.7 | -2.8 | -4.0 |
| Mar | -0.7 | -5.1 | 1.5 | -4.5 | -7.0 | -4.9 | -8.3 | 3.2 | 2.7 | -1.0 | -4.1 |
| Apr | -1.7 | -4.2 | -1.0 | -1.5 | -3.1 | -3.7 | -5.7 | 1.3 | -0.2 | -3.4 | -2.8 |
| May | -0.7 | -5.5 | -0.3 | 2.9 | -1.0 | -5.3 | -8.5 | 2.7 | - | -2.7 | -2.1 |
| Jun | -2.4 | -6.2 | -2.0 | -0.2 | -2.3 | -6.3 | -9.3 | -1.3 | -1.9 | -2.6 | -3.2 |
| Jul | -2.3 | -2.2 | -2.2 | -2.7 | -2.8 | -2.2 | -6.9 | -0.1 | -3.6 | -1.9 | -2.4 |
| Aug | -1.7 | -10.2 | -0.3 | -2.6 | -0.3 | -10.9 | -3.1 | 2.0 | -1.3 | -0.5 | -6.0 |
| Sep | -1.8 | -4.0 | -0.7 | -6.5 | -2.2 | -3.9 | -4.7 | 0.9 | -1.9 | -0.7 | -4.3 |
| Oct | -0.7 | -4.8 | - | -0.4 | -1.9 | -4.9 | -2.3 | 1.4 | -1.6 | 1.2 | -2.5 |

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 added¹

Seasonally adjusted 2022 = 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 | 136.7 | 688.9 | 83.6 | 90.8 | 123.2 | 61.9 | 189.2 | 246.5 | 235.2 | 246.3 |
| | | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T |
| Percentage change, latest month on previous month | | | | | | | | | | | | |
| 2022 | Aug | -0.7 | -10.2 | 0.3 | -0.7 | 0.3 | -11.7 | 3.1 | -1.5 | 2.1 | -0.2 | -5.0 |
| | Sep | - | 2.5 | -0.4 | 2.5 | -1.1 | 3.4 | -5.1 | 3.0 | -1.5 | -1.8 | 1.7 |
| | Oct | -0.1 | -3.1 | 0.3 | 0.4 | -0.7 | -2.6 | -2.0 | 2.1 | -0.2 | -1.1 | -1.2 |
| | Nov | 0.6 | 3.6 | 0.1 | -0.5 | 1.4 | 4.2 | 2.0 | -1.4 | 1.9 | -0.7 | 1.6 |
| | Dec | -0.4 | -7.6 | 0.5 | 4.0 | -0.5 | -8.1 | -0.2 | 1.0 | 1.5 | -0.8 | -2.7 |
| 2023 | Jan | -0.6 | -6.8 | 0.4 | - | 0.6 | -8.0 | -0.8 | -0.1 | -0.4 | 1.7 | -3.7 |
| | Feb | 0.4 | 6.3 | - | -1.7 | -1.5 | 6.7 | 2.2 | -1.1 | 1.7 | -0.9 | 2.2 |
| | Mar | 0.5 | -2.4 | 0.4 | 3.2 | 2.6 | -2.1 | 1.0 | 1.3 | 0.8 | -1.4 | 0.5 |
| | Apr | 0.2 | -0.1 | 0.8 | -1.7 | -2.0 | -0.3 | -2.9 | -1.4 | 2.5 | 0.8 | -0.7 |
| | May | -1.1 | 0.5 | -0.6 | -6.5 | -2.0 | 0.6 | 2.3 | -0.2 | -0.8 | -0.6 | -2.2 |
| | Jun | 2.4 | -1.7 | 3.2 | 3.2 | 1.3 | -2.0 | 2.0 | 4.4 | 3.4 | 2.3 | 0.1 |
| | Jul | -0.8 | 0.2 | -1.2 | 0.7 | -0.9 | 0.5 | -3.9 | -1.3 | -0.3 | -1.8 | 0.2 |
| | Aug | -0.1 | 3.2 | -0.7 | 0.7 | -1.5 | 3.5 | -2.6 | -1.4 | -0.6 | -0.1 | 1.8 |
| | Sep | -0.4 | -3.1 | -0.5 | 2.3 | 1.2 | -3.3 | 1.8 | 0.2 | -0.3 | -1.4 | -0.6 |
| | Oct | -1.7 | -2.2 | -1.4 | -4.9 | 0.2 | -2.7 | -1.2 | -1.7 | -0.7 | -1.9 | -3.1 |
| | Nov | 0.4 | 1.0 | 0.6 | -0.3 | -1.2 | 1.4 | - | 2.3 | -0.1 | - | 0.5 |
| | Dec | 0.6 | -1.2 | 1.0 | 1.3 | -0.7 | -1.0 | -2.1 | 1.1 | -0.2 | 2.1 | 0.3 |
| 2024 | Jan | -0.9 | -1.0 | -0.8 | -0.4 | -1.9 | -0.6 | - | -3.8 | 1.9 | -1.8 | -0.4 |
| | Feb | 0.6 | -1.4 | 0.9 | 1.3 | 0.6 | -1.8 | -0.5 | 1.9 | 0.1 | 1.0 | -0.3 |
| | Mar | 0.3 | 0.8 | 0.3 | 0.3 | -0.4 | 0.9 | -1.3 | 3.6 | -2.1 | 0.5 | 0.4 |
| | Apr | -0.8 | 0.9 | -1.7 | 1.3 | 2.1 | 1.0 | -0.3 | -3.2 | -0.4 | -1.7 | 0.7 |
| | May | -0.2 | -0.9 | 0.1 | -2.3 | 0.1 | -1.1 | -0.7 | 1.2 | -0.6 | 0.1 | -1.5 |
| | Jun | 0.7 | -2.5 | 1.4 | - | - | -3.1 | 1.1 | 0.3 | 1.4 | 2.4 | -1.0 |
| | Jul | -0.7 | 4.5 | -1.3 | -1.9 | -1.4 | 5.0 | -1.4 | -0.2 | -2.1 | -1.1 | 1.0 |
| | Aug | 0.5 | -5.3 | 1.3 | 0.9 | 1.1 | -5.7 | 1.5 | 0.7 | 1.8 | 1.3 | -2.0 |
| | Sep | -0.5 | 3.7 | -1.0 | -1.9 | -0.7 | 4.3 | - | -0.9 | -0.8 | -1.7 | 1.2 |
| | Oct | -0.6 | -3.1 | -0.6 | 1.4 | 0.5 | -3.7 | 1.3 | -1.3 | -0.5 | 0.1 | -1.4 |
| Percentage change, latest 3 months on same 3 months a year ago² | | | | | | | | | | | | |
| 2022 | Aug | -6.3 | 1.1 | -8.2 | -2.8 | -1.1 | 5.1 | -4.6 | -6.6 | -6.7 | -12.3 | 0.6 |
| | Sep | -6.1 | -5.9 | -8.0 | 4.4 | -1.3 | -5.3 | -4.6 | -7.0 | -6.8 | -11.1 | 1.4 |
| | Oct | -5.6 | -11.5 | -7.1 | 9.3 | -1.7 | -11.6 | -3.7 | -6.3 | -4.7 | -11.3 | 0.2 |
| | Nov | -4.9 | -7.0 | -6.7 | 11.5 | -2.2 | -5.0 | -5.4 | -5.4 | -3.3 | -12.3 | 2.5 |
| | Dec | -4.4 | -6.5 | -5.9 | 12.9 | -3.0 | -3.4 | -5.4 | -6.5 | -0.8 | -12.0 | 2.4 |
| 2023 | Jan | -4.4 | -8.8 | -5.3 | 12.2 | -2.6 | -5.6 | -6.7 | -4.8 | -0.8 | -11.6 | 0.3 |
| | Feb | -3.8 | -12.1 | -3.9 | 12.0 | -2.7 | -10.0 | -5.3 | -3.2 | 1.2 | -10.4 | -2.3 |
| | Mar | -2.9 | -13.9 | -2.4 | 11.6 | -2.0 | -12.3 | -3.3 | 0.5 | 2.5 | -10.3 | -3.9 |
| | Apr | -2.2 | -13.5 | -1.3 | 9.6 | -2.4 | -12.6 | -1.1 | - | 5.3 | -9.4 | -4.7 |
| | May | -2.2 | -14.6 | -0.7 | 6.8 | -2.7 | -14.1 | 0.5 | 0.3 | 6.5 | -9.1 | -6.2 |
| | Jun | -1.4 | -14.9 | 1.0 | 3.2 | -3.7 | -15.2 | 1.5 | 1.3 | 8.5 | -6.8 | -7.7 |
| | Jul | -0.7 | -15.9 | 2.2 | 1.8 | -3.3 | -16.5 | 0.7 | 3.3 | 9.4 | -5.6 | -8.2 |
| | Aug | 0.6 | -13.1 | 3.4 | 2.8 | -3.5 | -13.5 | -2.8 | 5.0 | 9.9 | -4.1 | -6.4 |
| | Sep | 0.5 | -12.2 | 3.0 | 3.3 | -2.9 | -12.3 | -4.0 | 3.8 | 9.5 | -4.3 | -5.4 |
| | Oct | - | -9.4 | 2.1 | 1.8 | -2.5 | -9.4 | -3.4 | 1.6 | 8.8 | -4.3 | -4.6 |
| | Nov | -0.7 | -11.6 | 1.6 | - | -2.3 | -12.3 | -1.4 | 0.6 | 8.4 | -4.2 | -6.3 |
| | Dec | -1.0 | -10.1 | 1.3 | -2.6 | -2.9 | -10.9 | -2.4 | 0.5 | 6.9 | -3.3 | -6.4 |
| 2024 | Jan | -0.8 | -7.1 | 1.3 | -3.5 | -4.6 | -7.3 | -3.4 | 0.5 | 6.4 | -3.3 | -4.8 |
| | Feb | -0.5 | -5.4 | 1.3 | -3.5 | -4.8 | -5.0 | -4.6 | 0.3 | 6.0 | -2.9 | -3.5 |
| | Mar | -0.6 | -4.8 | 1.2 | -3.6 | -5.8 | -4.2 | -5.9 | 0.7 | 5.2 | -2.8 | -3.3 |
| | Apr | -0.9 | -5.8 | 0.6 | -2.5 | -4.8 | -5.5 | -6.7 | 1.8 | 2.7 | -2.4 | -3.7 |
| | May | -1.0 | -4.9 | - | -1.1 | -3.8 | -4.6 | -7.5 | 2.4 | 0.8 | -2.3 | -3.0 |
| | Jun | -1.6 | -5.3 | -1.1 | 0.4 | -2.2 | -5.1 | -7.9 | 0.9 | -0.7 | -2.9 | -2.7 |
| | Jul | -1.8 | -4.6 | -1.5 | - | -2.1 | -4.6 | -8.3 | 0.4 | -1.9 | -2.4 | -2.6 |
| | Aug | -2.1 | -6.2 | -1.5 | -1.8 | -1.8 | -6.5 | -6.5 | 0.2 | -2.3 | -1.6 | -3.9 |
| | Sep | -1.9 | -5.5 | -1.1 | -4.0 | -1.8 | -5.7 | -4.9 | 0.9 | -2.3 | -1.0 | -4.2 |
| | Oct | -1.4 | -6.4 | -0.3 | -3.2 | -1.5 | -6.6 | -3.4 | 1.4 | -1.6 | - | -4.3 |

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 added¹

Seasonally adjusted 2022 = 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 | 136.7 | 688.9 | 83.6 | 90.8 | 123.2 | 61.9 | 189.2 | 246.5 | 235.2 | 246.3 |
| | | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T |
| Percentage change, latest 3 months on previous 3 months² | | | | | | | | | | | | |
| 2022 | Aug | -1.7 | -2.0 | -2.1 | 2.5 | -0.9 | -0.9 | 2.4 | -2.2 | 0.1 | -4.4 | -0.7 |
| | Sep | -1.7 | -2.9 | -1.9 | 1.6 | -2.1 | -2.8 | 2.6 | -1.9 | 0.2 | -3.6 | -1.9 |
| | Oct | -1.4 | -7.3 | -1.0 | 2.0 | -1.6 | -7.8 | 0.3 | 0.3 | 0.4 | -3.3 | -3.3 |
| | Nov | -0.5 | -3.8 | -0.3 | 2.4 | -1.6 | -3.6 | -3.5 | 2.7 | 0.1 | -3.1 | -1.4 |
| | Dec | -0.1 | -5.2 | 0.4 | 2.9 | -0.6 | -4.6 | -3.2 | 3.1 | 1.3 | -3.1 | -1.6 |
| 2023 | Jan | 0.1 | -5.0 | 0.6 | 3.3 | 0.4 | -4.7 | -1.6 | 1.7 | 2.1 | -2.0 | -1.6 |
| | Feb | -0.3 | -8.8 | 0.9 | 3.2 | 0.1 | -9.5 | 0.7 | 0.4 | 3.0 | -0.8 | -3.8 |
| | Mar | -0.3 | -7.6 | 0.9 | 2.3 | 0.6 | -8.6 | 1.6 | -0.2 | 2.6 | -0.2 | -3.4 |
| | Apr | 0.3 | -3.0 | 0.9 | 1.1 | -0.2 | -3.6 | 1.3 | -0.4 | 3.3 | -0.7 | -1.2 |
| | May | 0.3 | -0.7 | 0.8 | -1.3 | -0.2 | -0.6 | 1.0 | -0.5 | 3.2 | -1.1 | -0.5 |
| | Jun | 0.7 | - | 1.7 | -3.6 | -1.7 | 0.1 | 0.6 | 0.4 | 4.2 | -0.1 | -1.0 |
| | Jul | 0.4 | -1.5 | 1.7 | -4.4 | -1.9 | -1.5 | 0.7 | 1.7 | 3.3 | 0.4 | -2.3 |
| | Aug | 1.1 | -0.3 | 2.0 | -1.3 | -1.8 | -0.3 | -0.9 | 2.3 | 3.3 | 0.9 | -0.9 |
| | Sep | 0.1 | 0.2 | 0.1 | 1.7 | -1.3 | 0.6 | -3.0 | 0.5 | 1.2 | -1.0 | 0.5 |
| | Oct | -0.8 | -0.1 | -1.2 | 2.1 | -0.8 | - | -3.8 | -1.3 | -0.1 | -2.1 | 0.5 |
| | Nov | -1.8 | -2.1 | -2.1 | -0.4 | -0.4 | -2.2 | -2.1 | -1.6 | -1.3 | -3.3 | -1.3 |
| | Dec | -1.5 | -2.9 | -1.2 | -3.0 | -0.6 | -3.2 | -1.6 | -0.2 | -1.2 | -2.1 | -2.5 |
| 2024 | Jan | -0.8 | -2.6 | -0.2 | -2.1 | -1.8 | -2.4 | -1.6 | 0.6 | -0.2 | -0.9 | -1.8 |
| | Feb | -0.1 | -2.4 | 0.6 | -0.4 | -2.5 | -2.0 | -2.6 | - | 0.8 | 0.6 | -0.9 |
| | Mar | 0.1 | -2.2 | 0.7 | 1.3 | -2.4 | -1.7 | -2.1 | - | 1.1 | 0.4 | -0.2 |
| | Apr | 0.2 | -1.7 | 0.3 | 2.1 | -0.4 | -1.6 | -2.1 | 0.9 | -0.3 | 0.2 | - |
| | May | -0.2 | -0.2 | -0.5 | 1.1 | 0.8 | -0.3 | -2.1 | 1.7 | -1.9 | -0.6 | - |
| | Jun | -0.3 | -0.5 | -0.7 | 0.3 | 2.1 | -0.8 | -1.4 | 0.5 | -1.7 | -0.2 | -0.5 |
| | Jul | -0.4 | -0.2 | -0.5 | -2.0 | 0.9 | -0.6 | -1.1 | 0.3 | -1.3 | 0.4 | -1.3 |
| | Aug | -0.1 | -1.7 | 0.4 | -2.1 | 0.2 | -2.2 | 0.1 | 0.1 | 0.1 | 1.7 | -1.8 |
| | Sep | -0.2 | - | 0.2 | -2.7 | -0.9 | -0.1 | 0.1 | 0.6 | -0.4 | 0.9 | -1.1 |
| | Oct | -0.3 | -2.0 | - | -1.2 | -0.2 | -2.1 | 1.4 | -0.3 | 0.1 | 0.3 | -1.3 |

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 added¹

Seasonally adjusted 2022 = 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 | 112.2 | 20.4 | 43.4 | 10.4 | 41.2 | 56.4 |
| | K22B | K22P | K22T | K22X | K22Z | K239 |
| 2019 | 101.0 | 108.4 | 121.1 | 94.3 | 120.9 | 82.5 |
| 2020 | 100.1 | 71.6 | 111.2 | 82.9 | 135.4 | 98.4 |
| 2021 | 105.2 | 98.7 | 117.1 | 88.4 | 125.9 | 102.9 |
| 2022 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2023 | 97.2 | 90.1 | 91.6 | 97.1 | 87.1 | 113.8 |
| 2023 Q3 | 97.1 | 88.7 | 92.1 | 94.9 | 86.9 | 115.3 |
| Q4 | 97.7 | 86.3 | 89.1 | 91.9 | 85.1 | 115.1 |
| 2024 Q1 | 98.7 | 83.7 | 89.9 | 97.6 | 84.8 | 112.9 |
| Q2 | 98.9 | 80.1 | 90.4 | 94.1 | 87.2 | 114.3 |
| Q3 | 99.3 | 79.7 | 92.0 | 90.5 | 88.0 | 115.0 |
| 2023 Aug | 96.2 | 88.5 | 92.9 | 96.1 | 85.9 | 115.9 |
| Sep | 97.4 | 89.3 | 90.2 | 93.3 | 86.5 | 113.8 |
| Oct | 97.2 | 86.2 | 89.4 | 90.2 | 84.5 | 109.9 |
| Nov | 97.8 | 86.6 | 89.0 | 92.5 | 85.3 | 115.9 |
| Dec | 98.1 | 86.2 | 88.8 | 93.1 | 85.5 | 119.6 |
| 2024 Jan | 97.5 | 83.8 | 89.3 | 94.5 | 84.0 | 107.6 |
| Feb | 98.8 | 85.3 | 90.6 | 99.4 | 85.4 | 110.2 |
| Mar | 99.9 | 82.0 | 89.9 | 98.9 | 84.9 | 121.0 |
| Apr | 97.7 | 81.5 | 89.4 | 93.6 | 86.7 | 113.6 |
| May | 99.5 | 79.2 | 90.6 | 92.4 | 86.9 | 113.8 |
| Jun | 99.4 | 79.7 | 91.2 | 96.2 | 88.0 | 115.5 |
| Jul | 99.3 | 79.4 | 92.7 | 90.0 | 88.0 | 114.8 |
| Aug | 99.5 | 79.2 | 92.6 | 90.1 | 87.7 | 116.5 |
| Sep | 99.1 | 80.6 | 90.5 | 91.5 | 88.5 | 113.6 |
| Oct | 99.5 | 80.1 | 90.6 | 88.8 | 85.2 | 110.6 |

Percentage change, latest year on previous year

| | | | | | | |
|------|------|-------|-------|-------|-------|------|
| 2019 | 0.1 | 12.3 | 1.8 | -18.6 | 14.4 | 5.7 |
| 2020 | -1.0 | -33.9 | -8.2 | -12.1 | 12.0 | 19.3 |
| 2021 | 5.1 | 37.8 | 5.3 | 6.6 | -7.1 | 4.6 |
| 2022 | -4.9 | 1.3 | -14.6 | 13.1 | -20.5 | -2.8 |
| 2023 | -2.8 | -9.9 | -8.4 | -2.9 | -12.9 | 13.8 |

Percentage change, latest month on same month a year ago

| | | | | | | |
|----------|------|-------|-------|-------|-------|-------|
| 2022 Aug | -6.8 | -2.8 | -16.2 | -2.0 | -19.8 | -11.1 |
| Sep | -8.7 | -4.2 | -18.3 | 3.8 | -21.1 | 5.8 |
| Oct | -8.1 | -8.7 | -19.6 | 4.1 | -22.8 | 6.7 |
| Nov | -7.4 | -8.1 | -18.0 | -4.1 | -23.5 | 0.3 |
| Dec | -6.7 | -2.8 | -17.0 | -3.8 | -24.3 | -7.9 |
| 2023 Jan | -5.9 | -6.8 | -15.3 | -2.9 | -22.4 | 18.9 |
| Feb | -4.9 | -5.1 | -15.3 | -5.5 | -20.5 | 10.9 |
| Mar | -5.3 | -10.2 | -13.6 | -5.5 | -17.8 | 25.4 |
| Apr | -5.7 | -12.3 | -9.9 | -6.5 | -17.4 | 14.1 |
| May | -4.8 | -10.3 | -11.0 | -5.3 | -17.6 | 13.6 |
| Jun | -2.2 | -2.9 | -4.7 | -2.3 | -10.8 | 24.7 |
| Jul | -2.2 | -12.3 | -6.3 | 3.3 | -7.8 | 24.3 |
| Aug | -2.9 | -11.6 | -2.9 | 2.5 | -11.9 | 26.1 |
| Sep | 0.8 | -10.9 | -4.8 | -0.7 | -7.0 | 6.1 |
| Oct | -0.4 | -10.5 | -6.0 | -5.9 | -8.1 | -2.5 |
| Nov | -0.3 | -12.8 | -4.6 | -3.5 | -4.4 | 7.5 |
| Dec | 1.3 | -13.0 | -3.2 | -0.4 | -2.6 | 4.5 |
| 2024 Jan | 0.1 | -12.4 | -3.7 | -2.5 | -7.4 | -2.3 |
| Feb | 1.3 | -9.1 | -1.6 | 1.7 | -3.2 | 1.3 |
| Mar | 3.3 | -10.4 | -2.8 | -2.9 | -4.0 | 6.3 |
| Apr | 1.6 | -9.8 | -4.3 | -9.6 | -0.8 | 2.4 |
| May | 2.9 | -12.6 | -0.9 | -11.9 | 0.5 | 3.4 |
| Jun | 1.7 | -15.4 | -2.7 | -3.8 | 0.3 | -4.3 |
| Jul | 1.6 | -10.0 | -0.5 | -5.8 | -0.4 | -1.3 |
| Aug | 3.5 | -10.6 | -0.2 | -6.3 | 2.0 | 0.6 |
| Sep | 1.7 | -9.7 | 0.3 | -1.9 | 2.2 | -0.2 |
| Oct | 2.3 | -7.0 | 1.3 | -1.5 | 0.8 | 0.6 |

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 added¹

Seasonally adjusted 2022 = 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 | 51.2 | 76.3 | 47.2 | 19.3 | 54.6 | 94.1 | 62.3 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |
| 2019 | 110.6 | 103.6 | 94.9 | 123.2 | 97.2 | 99.5 | 100.9 |
| 2020 | 111.2 | 113.1 | 98.9 | 165.8 | 101.2 | 98.9 | 97.9 |
| 2021 | 111.2 | 106.0 | 107.1 | 137.4 | 111.9 | 105.9 | 101.8 |
| 2022 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2023 | 90.1 | 103.2 | 100.9 | 95.7 | 99.2 | 114.5 | 102.2 |
| 2023 Q3 | 87.5 | 104.9 | 100.7 | 99.4 | 100.5 | 118.1 | 102.6 |
| Q4 | 83.2 | 105.3 | 98.8 | 94.8 | 93.6 | 120.4 | 100.9 |
| 2024 Q1 | 84.8 | 108.0 | 96.3 | 92.4 | 91.7 | 124.7 | 101.5 |
| Q2 | 84.3 | 108.1 | 95.2 | 88.5 | 92.7 | 120.9 | 99.4 |
| Q3 | 85.2 | 109.6 | 96.0 | 86.6 | 91.2 | 119.9 | 99.2 |
| 2023 Aug | 88.1 | 105.3 | 98.9 | 99.0 | 100.5 | 119.5 | 101.6 |
| Sep | 85.7 | 105.1 | 101.0 | 98.6 | 98.6 | 118.3 | 101.4 |
| Oct | 83.5 | 103.5 | 98.9 | 95.3 | 95.7 | 118.7 | 101.5 |
| Nov | 82.3 | 104.7 | 100.2 | 95.0 | 93.0 | 119.9 | 99.8 |
| Dec | 83.9 | 107.5 | 97.3 | 94.3 | 92.1 | 122.4 | 101.3 |
| 2024 Jan | 84.0 | 106.9 | 97.2 | 91.1 | 93.2 | 124.5 | 102.6 |
| Feb | 85.0 | 108.5 | 96.4 | 90.9 | 90.3 | 127.6 | 100.8 |
| Mar | 85.3 | 108.6 | 95.3 | 95.3 | 91.7 | 122.0 | 101.0 |
| Apr | 83.3 | 106.6 | 95.5 | 89.2 | 91.9 | 121.2 | 99.3 |
| May | 84.1 | 107.1 | 94.4 | 86.3 | 91.2 | 120.0 | 99.9 |
| Jun | 85.4 | 110.7 | 95.8 | 90.1 | 94.8 | 121.4 | 99.1 |
| Jul | 83.9 | 109.0 | 94.8 | 85.2 | 90.5 | 118.3 | 99.4 |
| Aug | 85.4 | 111.4 | 97.0 | 90.1 | 91.0 | 121.6 | 99.4 |
| Sep | 86.4 | 108.4 | 96.2 | 84.4 | 92.1 | 119.9 | 98.9 |
| Oct | 85.2 | 108.6 | 97.9 | 84.5 | 89.6 | 118.6 | 100.1 |

Percentage change, latest year on previous year

| | | | | | | | |
|------|-------|------|------|-------|-------|------|------|
| 2019 | 1.3 | -3.6 | 0.6 | 15.9 | -8.7 | -2.8 | -1.2 |
| 2020 | 0.6 | 9.1 | 4.1 | 34.6 | 4.1 | -0.6 | -3.0 |
| 2021 | -0.1 | -6.3 | 8.3 | -17.1 | 10.6 | 7.1 | 3.9 |
| 2022 | -10.1 | -5.7 | -6.6 | -27.2 | -10.6 | -5.6 | -1.7 |
| 2023 | -9.9 | 3.2 | 0.9 | -4.3 | -0.8 | 14.5 | 2.2 |

Percentage change, latest month on same month a year ago

| | | | | | | | |
|----------|-------|------|------|-------|-------|------|------|
| 2022 Aug | -7.1 | -2.5 | -2.9 | -21.5 | -11.8 | -8.5 | 0.5 |
| Sep | -10.1 | -3.3 | -6.8 | -20.1 | -14.5 | -5.2 | -2.0 |
| Oct | -9.4 | -3.1 | -2.8 | -16.5 | - | 2.9 | -1.7 |
| Nov | -11.8 | -4.2 | -7.4 | -14.6 | -6.0 | 0.2 | 0.9 |
| Dec | -5.1 | -5.4 | -6.8 | -14.4 | 4.1 | 0.9 | 3.7 |
| 2023 Jan | -4.8 | -3.5 | -7.2 | -11.5 | -2.8 | 3.2 | 2.5 |
| Feb | -3.3 | -3.3 | 0.2 | -14.9 | 3.0 | 5.9 | 0.5 |
| Mar | -7.5 | -3.0 | 2.8 | -14.2 | 3.1 | 6.7 | 1.1 |
| Apr | -8.9 | -1.2 | 1.8 | -5.9 | 4.8 | 12.4 | 7.0 |
| May | -12.0 | 0.3 | 7.1 | -5.3 | -2.4 | 10.8 | 4.1 |
| Jun | -6.2 | 3.4 | 7.7 | 0.3 | -2.3 | 19.3 | 5.4 |
| Jul | -11.4 | 5.5 | 2.5 | 4.0 | 2.8 | 19.3 | 5.0 |
| Aug | -11.3 | 6.7 | -5.0 | 0.5 | 1.2 | 20.2 | 0.2 |
| Sep | -12.1 | 7.4 | 2.0 | 1.2 | -0.4 | 20.7 | 1.3 |
| Oct | -14.7 | 7.4 | 1.9 | -1.6 | - | 18.1 | 1.4 |
| Nov | -14.2 | 7.9 | 0.7 | -1.1 | -5.8 | 17.7 | -1.4 |
| Dec | -13.4 | 12.1 | -2.8 | -0.9 | -9.8 | 19.5 | -1.0 |
| 2024 Jan | -14.6 | 6.5 | -1.6 | -5.8 | -7.7 | 20.6 | 1.2 |
| Feb | -12.6 | 8.3 | -4.9 | 1.8 | -12.6 | 21.0 | -0.3 |
| Mar | -8.8 | 7.8 | -7.3 | 5.3 | -10.2 | 13.7 | -0.2 |
| Apr | -10.4 | 5.1 | -3.9 | -6.9 | -11.0 | 7.2 | -4.7 |
| May | -8.7 | 5.3 | -8.7 | -8.1 | -8.4 | 7.9 | -2.4 |
| Jun | -9.9 | 7.2 | -9.8 | -8.9 | -4.5 | 3.0 | -6.0 |
| Jul | -5.2 | 4.5 | -7.3 | -15.4 | -11.7 | 1.6 | -5.1 |
| Aug | -3.0 | 5.8 | -2.0 | -9.0 | -9.5 | 1.7 | -2.1 |
| Sep | 0.8 | 3.1 | -4.8 | -14.3 | -6.6 | 1.3 | -2.5 |
| Oct | 2.1 | 5.0 | -1.0 | -11.3 | -6.4 | -0.1 | -1.4 |

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 added¹

Seasonally adjusted 2022 = 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 | 112.2 | 20.4 | 43.4 | 10.4 | 41.2 | 56.4 |
| | K22B | K22P | K22T | K22X | K22Z | K239 |

Percentage change, latest month on previous month

| | | | | | | | |
|------|-----|------|------|------|------|------|-------|
| 2022 | Aug | -0.9 | -0.5 | -3.8 | 1.5 | 1.7 | -1.7 |
| | Sep | -2.5 | 0.1 | -0.8 | 0.2 | -4.5 | 16.7 |
| | Oct | 1.0 | -4.0 | 0.3 | 2.0 | -1.2 | 5.2 |
| | Nov | 0.6 | 3.2 | -1.9 | - | -3.0 | -4.4 |
| | Dec | -1.3 | -0.2 | -1.7 | -2.5 | -1.6 | 6.0 |
| 2023 | Jan | 0.6 | -3.5 | 1.1 | 3.7 | 3.4 | -3.7 |
| | Feb | 0.1 | -2.0 | -0.8 | 0.8 | -2.8 | -1.3 |
| | Mar | -0.8 | -2.4 | 0.4 | 4.3 | 0.2 | 4.6 |
| | Apr | -0.6 | -1.3 | 1.1 | 1.7 | -1.1 | -2.6 |
| | May | 0.6 | 0.3 | -2.1 | 1.1 | -1.1 | -0.7 |
| | Jun | 1.1 | 3.9 | 2.5 | -4.6 | 1.4 | 9.7 |
| | Jul | - | -6.3 | -0.6 | -4.5 | 0.7 | -3.7 |
| | Aug | -1.7 | 0.3 | -0.3 | 0.6 | -2.7 | -0.3 |
| | Sep | 1.2 | 0.8 | -2.8 | -2.9 | 0.7 | -1.8 |
| | Oct | -0.1 | -3.5 | -0.9 | -3.3 | -2.4 | -3.4 |
| | Nov | 0.6 | 0.5 | -0.5 | 2.6 | 1.0 | 5.5 |
| | Dec | 0.3 | -0.4 | -0.2 | 0.6 | 0.2 | 3.1 |
| 2024 | Jan | -0.6 | -2.8 | 0.6 | 1.5 | -1.7 | -10.0 |
| | Feb | 1.3 | 1.8 | 1.4 | 5.2 | 1.7 | 2.4 |
| | Mar | 1.1 | -3.8 | -0.8 | -0.4 | -0.7 | 9.8 |
| | Apr | -2.2 | -0.6 | -0.5 | -5.4 | 2.2 | -6.1 |
| | May | 1.8 | -2.8 | 1.3 | -1.4 | 0.2 | 0.2 |
| | Jun | - | 0.5 | 0.6 | 4.2 | 1.3 | 1.5 |
| | Jul | -0.1 | -0.4 | 1.7 | -6.5 | - | -0.6 |
| | Aug | 0.2 | -0.3 | -0.1 | 0.1 | -0.4 | 1.5 |
| | Sep | -0.5 | 1.8 | -2.3 | 1.6 | 0.9 | -2.5 |
| | Oct | 0.5 | -0.6 | - | -2.9 | -3.7 | -2.6 |

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

| | | | | | | | |
|------|-----|------|-------|-------|------|-------|------|
| 2022 | Aug | -6.8 | -2.8 | -16.0 | -0.2 | -22.5 | -4.3 |
| | Sep | -7.4 | -2.5 | -16.8 | 0.1 | -21.4 | -3.8 |
| | Oct | -7.9 | -5.2 | -18.0 | 1.9 | -21.2 | 0.5 |
| | Nov | -8.1 | -7.0 | -18.6 | 1.1 | -22.5 | 4.2 |
| | Dec | -7.4 | -6.6 | -18.2 | -1.4 | -23.5 | -0.7 |
| 2023 | Jan | -6.7 | -6.0 | -16.8 | -3.6 | -23.4 | 2.5 |
| | Feb | -5.9 | -4.9 | -15.9 | -4.1 | -22.4 | 5.8 |
| | Mar | -5.4 | -7.4 | -14.7 | -4.7 | -20.3 | 18.2 |
| | Apr | -5.3 | -9.2 | -13.0 | -5.9 | -18.6 | 16.6 |
| | May | -5.3 | -10.9 | -11.5 | -5.8 | -17.6 | 17.5 |
| | Jun | -4.3 | -8.6 | -8.6 | -4.7 | -15.4 | 17.5 |
| | Jul | -3.1 | -8.6 | -7.4 | -1.7 | -12.2 | 20.8 |
| | Aug | -2.4 | -9.0 | -4.7 | 1.1 | -10.2 | 25.0 |
| | Sep | -1.5 | -11.6 | -4.7 | 1.7 | -9.0 | 18.2 |
| | Oct | -0.8 | -11.0 | -4.5 | -1.4 | -9.1 | 8.9 |
| | Nov | - | -11.4 | -5.1 | -3.4 | -6.5 | 3.6 |
| | Dec | 0.2 | -12.1 | -4.6 | -3.3 | -5.1 | 3.1 |
| 2024 | Jan | 0.4 | -12.7 | -3.9 | -2.1 | -4.8 | 3.2 |
| | Feb | 0.9 | -11.5 | -2.8 | -0.4 | -4.4 | 1.2 |
| | Mar | 1.6 | -10.6 | -2.7 | -1.3 | -4.9 | 1.8 |
| | Apr | 2.1 | -9.7 | -2.9 | -3.7 | -2.6 | 3.4 |
| | May | 2.6 | -10.9 | -2.7 | -8.2 | -1.4 | 4.1 |
| | Jun | 2.0 | -12.6 | -2.7 | -8.5 | - | 0.4 |
| | Jul | 2.0 | -12.7 | -1.4 | -7.2 | 0.1 | -0.8 |
| | Aug | 2.2 | -12.1 | -1.2 | -5.2 | 0.6 | -1.7 |
| | Sep | 2.3 | -10.1 | -0.1 | -4.7 | 1.3 | -0.3 |
| | Oct | 2.5 | -9.1 | 0.4 | -3.3 | 1.7 | 0.3 |

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[†]

Seasonally adjusted 2022 = 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 | 51.2 | 76.3 | 47.2 | 19.3 | 54.6 | 94.1 | 62.3 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |

Percentage change, latest month on previous month

| | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|
| 2022 | Aug | -0.6 | -0.1 | 4.3 | 1.6 | -0.3 | 1.9 | 1.6 |
| | Sep | -1.9 | -0.9 | -4.8 | -1.1 | -0.2 | -1.4 | -1.2 |
| | Oct | 0.4 | -1.5 | -2.0 | -0.6 | -3.5 | 2.5 | - |
| | Nov | -2.0 | 0.7 | 2.6 | -0.8 | 3.2 | 1.4 | 1.1 |
| | Dec | 1.0 | -1.2 | 0.6 | -0.8 | 3.5 | 0.6 | 1.1 |
| 2023 | Jan | 1.5 | 4.6 | -1.3 | 1.6 | -1.1 | 0.8 | -1.0 |
| | Feb | -1.1 | -0.2 | 2.5 | -7.7 | 2.2 | 2.2 | -0.2 |
| | Mar | -3.9 | 0.6 | 1.5 | 1.3 | -1.1 | 1.7 | -0.1 |
| | Apr | -0.5 | 0.7 | -3.5 | 5.9 | 1.1 | 5.5 | 3.0 |
| | May | -0.9 | 0.3 | 4.1 | -1.9 | -3.5 | -1.6 | -1.8 |
| | Jun | 2.9 | 1.5 | 2.7 | 5.4 | -0.4 | 5.9 | 3.1 |
| | Jul | -6.6 | 1.0 | -3.7 | 1.8 | 3.2 | -1.2 | -0.7 |
| | Aug | -0.5 | 0.9 | -3.3 | -1.8 | -1.9 | 2.6 | -3.1 |
| | Sep | -2.8 | -0.2 | 2.1 | -0.5 | -1.8 | -1.0 | -0.1 |
| | Oct | -2.6 | -1.5 | -2.1 | -3.3 | -3.0 | 0.3 | 0.1 |
| | Nov | -1.4 | 1.2 | 1.3 | -0.3 | -2.8 | 1.0 | -1.6 |
| | Dec | 2.0 | 2.7 | -2.9 | -0.7 | -1.0 | 2.1 | 1.5 |
| 2024 | Jan | 0.2 | -0.6 | -0.1 | -3.4 | 1.3 | 1.7 | 1.2 |
| | Feb | 1.1 | 1.5 | -0.9 | -0.2 | -3.2 | 2.5 | -1.7 |
| | Mar | 0.3 | - | -1.1 | 4.8 | 1.6 | -4.4 | 0.1 |
| | Apr | -2.3 | -1.8 | 0.1 | -6.4 | 0.2 | -0.6 | -1.6 |
| | May | 0.9 | 0.5 | -1.1 | -3.2 | -0.7 | -1.0 | 0.6 |
| | Jun | 1.5 | 3.3 | 1.5 | 4.4 | 3.9 | 1.1 | -0.7 |
| | Jul | -1.7 | -1.5 | -1.0 | -5.4 | -4.6 | -2.6 | 0.3 |
| | Aug | 1.8 | 2.2 | 2.3 | 5.7 | 0.5 | 2.8 | - |
| | Sep | 1.1 | -2.7 | -0.8 | -6.3 | 1.3 | -1.4 | -0.5 |
| | Oct | -1.3 | 0.2 | 1.8 | 0.1 | -2.8 | -1.0 | 1.2 |

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

| | | | | | | | | |
|------|-----|-------|------|------|-------|-------|------|------|
| 2022 | Aug | -8.2 | -4.9 | -6.1 | -26.1 | -12.0 | -4.6 | -2.7 |
| | Sep | -8.4 | -2.9 | -5.5 | -23.2 | -12.5 | -5.9 | -2.0 |
| | Oct | -8.9 | -3.0 | -4.2 | -19.4 | -9.3 | -3.8 | -1.1 |
| | Nov | -10.4 | -3.5 | -5.7 | -17.1 | -7.3 | -0.8 | -1.0 |
| | Dec | -8.9 | -4.2 | -5.7 | -15.2 | -0.8 | 1.3 | 0.9 |
| 2023 | Jan | -7.3 | -4.3 | -7.1 | -13.5 | -1.7 | 1.4 | 2.4 |
| | Feb | -4.4 | -4.0 | -4.7 | -13.6 | 1.4 | 3.3 | 2.2 |
| | Mar | -5.2 | -3.2 | -1.5 | -13.5 | 1.0 | 5.2 | 1.4 |
| | Apr | -6.6 | -2.5 | 1.6 | -11.7 | 3.6 | 8.3 | 2.8 |
| | May | -9.5 | -1.3 | 3.9 | -8.6 | 1.8 | 10.0 | 4.0 |
| | Jun | -9.0 | 0.8 | 5.5 | -3.6 | -0.1 | 14.1 | 5.5 |
| | Jul | -9.9 | 3.1 | 5.7 | -0.4 | -0.7 | 16.4 | 4.9 |
| | Aug | -9.6 | 5.2 | 1.6 | 1.6 | 0.5 | 19.6 | 3.5 |
| | Sep | -11.6 | 6.5 | -0.2 | 1.9 | 1.2 | 20.0 | 2.2 |
| | Oct | -12.7 | 7.1 | -0.4 | 0.1 | 0.3 | 19.7 | 1.0 |
| | Nov | -13.6 | 7.6 | 1.5 | -0.5 | -2.1 | 18.8 | 0.5 |
| | Dec | -14.1 | 9.1 | -0.1 | -1.2 | -5.3 | 18.4 | -0.3 |
| 2024 | Jan | -14.1 | 8.8 | -1.3 | -2.6 | -7.8 | 19.3 | -0.4 |
| | Feb | -13.5 | 9.0 | -3.1 | -1.7 | -10.0 | 20.3 | - |
| | Mar | -12.0 | 7.6 | -4.6 | 0.3 | -10.2 | 18.4 | 0.3 |
| | Apr | -10.6 | 7.1 | -5.4 | -0.1 | -11.3 | 13.8 | -1.7 |
| | May | -9.3 | 6.1 | -6.7 | -3.3 | -9.9 | 9.5 | -2.4 |
| | Jun | -9.7 | 5.9 | -7.5 | -8.0 | -8.0 | 5.9 | -4.4 |
| | Jul | -8.0 | 5.7 | -8.6 | -10.9 | -8.2 | 4.1 | -4.5 |
| | Aug | -6.2 | 5.8 | -6.5 | -11.1 | -8.6 | 2.1 | -4.4 |
| | Sep | -2.5 | 4.5 | -4.7 | -12.9 | -9.3 | 1.5 | -3.3 |
| | Oct | -0.1 | 4.6 | -2.6 | -11.6 | -7.5 | 1.0 | -2.0 |

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 added¹

Seasonally adjusted 2022 = 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 | 112.2 | 20.4 | 43.4 | 10.4 | 41.2 | 56.4 | |
| | K22B | K22P | K22T | K22X | K22Z | K239 | |
| Percentage change, latest 3 months on previous 3 months | | | | | | | |
| 2022 | Aug | -2.2 | -2.7 | -6.4 | -12.4 | -8.4 | -0.9 |
| | Sep | -2.6 | - | -4.9 | -13.5 | -7.3 | 0.6 |
| | Oct | -2.8 | -0.7 | -5.0 | -7.2 | -5.5 | 8.6 |
| | Nov | -2.2 | -0.6 | -3.5 | -1.0 | -5.9 | 16.2 |
| | Dec | -1.0 | -2.1 | -3.3 | 1.8 | -6.1 | 14.5 |
| 2023 | Jan | -0.3 | -0.8 | -2.7 | 0.9 | -5.3 | 6.6 |
| | Feb | -0.2 | -2.5 | -2.3 | 0.9 | -2.8 | 1.7 |
| | Mar | -0.3 | -4.7 | -1.1 | 4.0 | -0.6 | -0.7 |
| | Apr | -0.7 | -6.3 | - | 6.0 | -1.4 | 0.3 |
| | May | -0.8 | -5.5 | 0.3 | 7.7 | -1.7 | 0.4 |
| | Jun | -0.3 | -2.0 | 0.5 | 4.0 | -2.2 | 2.6 |
| | Jul | 0.7 | -0.9 | 0.2 | -1.0 | -0.6 | 4.0 |
| | Aug | 0.8 | -0.6 | 0.9 | -6.1 | -0.1 | 5.4 |
| | Sep | 0.2 | -3.4 | -0.9 | -7.7 | -0.3 | 1.3 |
| | Oct | -0.5 | -3.3 | -2.1 | -6.9 | -2.1 | -2.1 |
| | Nov | 0.2 | -3.3 | -4.0 | -5.4 | -2.1 | -3.7 |
| | Dec | 0.6 | -2.6 | -3.3 | -3.2 | -2.1 | -0.1 |
| 2024 | Jan | 0.9 | -2.8 | -2.0 | 0.2 | -0.8 | 1.0 |
| | Feb | 0.7 | -2.6 | - | 4.0 | -0.6 | -0.7 |
| | Mar | 1.0 | -3.0 | 0.9 | 6.2 | -0.4 | -1.9 |
| | Apr | 1.0 | -3.0 | 1.0 | 4.3 | 0.9 | 0.5 |
| | May | 0.9 | -4.9 | 0.4 | -0.7 | 1.4 | 3.2 |
| | Jun | 0.1 | -4.2 | 0.5 | -3.6 | 2.9 | 1.2 |
| | Jul | 0.6 | -4.2 | 1.7 | -4.6 | 2.3 | -0.2 |
| | Aug | 0.4 | -1.9 | 2.5 | -3.1 | 2.0 | -0.4 |
| | Sep | 0.4 | -0.5 | 1.7 | -3.8 | 1.0 | 0.6 |
| | Oct | - | 0.7 | -0.3 | -3.0 | -0.6 | -1.0 |

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 added¹

Seasonally adjusted 2022 = 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 | 51.2 | 76.3 | 47.2 | 19.3 | 54.6 | 94.1 | 62.3 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |

Percentage change, latest 3 months on previous 3 months

| | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|
| 2022 | Aug | -2.4 | -3.4 | 2.8 | -4.0 | 0.2 | -1.9 | 1.8 |
| | Sep | -3.6 | -2.8 | 3.5 | -2.2 | -1.4 | -1.6 | 1.8 |
| | Oct | -3.6 | -2.4 | 1.7 | -0.7 | -3.1 | 0.4 | 1.1 |
| | Nov | -3.0 | -2.1 | -2.3 | -1.3 | -2.4 | 1.5 | 0.1 |
| | Dec | -2.1 | -2.1 | -2.0 | -1.6 | -0.5 | 3.3 | 0.8 |
| 2023 | Jan | -1.2 | 0.1 | -0.5 | -1.6 | 2.7 | 3.2 | 1.1 |
| | Feb | 0.4 | 1.8 | 1.6 | -3.1 | 4.4 | 3.6 | 1.2 |
| | Mar | -0.5 | 4.1 | 2.1 | -4.0 | 3.4 | 3.7 | - |
| | Apr | -2.6 | 3.1 | 1.7 | -4.3 | 2.3 | 5.9 | 0.5 |
| | May | -4.8 | 2.5 | 1.8 | -0.4 | -0.4 | 6.6 | 0.9 |
| | Jun | -3.2 | 1.7 | 2.0 | 4.4 | -1.4 | 8.3 | 2.8 |
| | Jul | -2.9 | 2.3 | 2.8 | 6.6 | -2.4 | 6.1 | 2.0 |
| | Aug | -2.5 | 3.0 | 0.6 | 6.7 | -1.0 | 6.7 | 1.4 |
| | Sep | -6.3 | 2.7 | -2.2 | 3.3 | -0.2 | 3.5 | -1.4 |
| | Oct | -6.6 | 1.5 | -4.2 | -0.3 | -2.2 | 3.2 | -2.6 |
| | Nov | -7.4 | 0.1 | -2.4 | -3.3 | -4.9 | 0.9 | -2.9 |
| | Dec | -4.9 | 0.3 | -1.9 | -4.6 | -6.9 | 1.9 | -1.7 |
| 2024 | Jan | -2.7 | 1.7 | -1.4 | -4.3 | -5.6 | 2.9 | -0.2 |
| | Feb | 0.6 | 3.1 | -3.1 | -4.3 | -4.1 | 4.9 | 0.7 |
| | Mar | 1.8 | 2.6 | -2.5 | -2.6 | -2.0 | 3.6 | 0.6 |
| | Apr | 1.3 | 1.4 | -2.6 | -1.8 | -1.6 | 1.1 | -0.9 |
| | May | -0.1 | -0.2 | -2.0 | -2.0 | -0.3 | -3.0 | -1.5 |
| | Jun | -0.6 | 0.1 | -1.1 | -4.2 | 1.0 | -3.1 | -2.0 |
| | Jul | -0.1 | 1.0 | -0.8 | -5.0 | 1.0 | -3.0 | -0.9 |
| | Aug | 0.8 | 2.8 | 0.8 | -2.0 | 0.5 | -0.5 | -0.7 |
| | Sep | 1.1 | 1.4 | 0.8 | -2.2 | -1.6 | -0.8 | -0.2 |
| | Oct | 1.4 | 0.5 | 2.2 | -1.0 | -1.4 | 0.1 | - |

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