

Statistical bulletin

Index of Production, UK: August 2024

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

Contact: Short Term Outputs for Production and Services (STOPS) Release date: 11 October 2024 Next release: 15 November 2024

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1. Main points

- Monthly production output was estimated to have increased by 0.5% in August 2024; this follows a
 decrease of 0.7% (revised up 0.1 percentage points) in July 2024.
- The monthly output increase in August 2024 resulted primarily from an increase of 1.1% in "manufacturing", supported by smaller contributing increases in "water supply and sewerage" (1.5%) and "electricity and gas" (1.2%); these rises were partially offset by a fall in "mining and quarrying" (down 4.0%).
- The monthly increase in manufacturing output in August 2024 saw increases in 9 of its 13 subsectors, with six subsectors increasing by more than 1%.
- The largest positive contributions to manufacturing output in August 2024 came from the "manufacture of transport equipment" and "manufacture of basic metals and metal products"; these increased by 2.1% and 2.3%, respectively.
- The monthly fall in August 2024 in "mining and quarrying" came from the "extraction of crude petroleum and natural gas", which saw a 4.2% fall; this is the biggest decrease in this industry since January 2023 (down 8.0%).
- Production output for the three months to August 2024 was estimated to have remained flat (0.0%) compared with the three months to May 2024; strength in "manufacturing" (0.5%) and "water supply and sewerage" (0.3%) was offset by weakness in "mining and quarrying" (down 1.7%) and "electricity and gas" (down 1.9%).

2. Data on the Index of Production

Index of Production time series

Dataset DIOP | Released 11 October 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 11 October 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 11 October 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 11 October 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 11 October 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 <u>VAT turnover data in National Accounts: background and methodology article</u>.

A comprehensive list of the IoP source data can be found in our <u>Gross domestic product (GDP) data sources catalogue</u>.

Response rates for August 2024

For August 2024, MBS response rates were 73.7%, based on forms returned. This accounted for 82.9% of total turnover coverage of the sample population. For further information, see our <u>current and historical MBS</u> (<u>production</u>) response rates <u>dataset</u>.

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 on Section 2 of our <u>Uncertainty and how we measure it for our surveys web page</u>.

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

Accredited official statistics

These accredited official statistics were <u>independently reviewed by the Office for Statistics Regulation in April 2014</u>. They comply with the standards of trustworthiness, quality and value in <u>the Code of Practice for Statistics</u> and should be labelled "accredited official statistics".

Revisions to Index of Production

In line with the <u>National Accounts Revisions Policy</u>, this release gives data for August 2024 for the first time with revisions open for all other periods. This release contains data consistent with the <u>UK National Accounts</u>, <u>The Blue Book 2024</u>, which is to be released on 31 October 2024.

These revisions are consistent with our <u>Quarterly national accounts release that was published on 30 September 2024</u>, and incorporates improved source data, updated seasonal adjustment parameters, and additional updated data as would happen in all quarterly national accounts releases. This includes new Value Added Tax (VAT) turnover data for Quarter 4 (Oct to Dec) 2023 and Quarter 1 (Jan to Mar) 2024.

Blue Book 2024 publication update

This estimates 2022 for the first time using the supply and use tables (SUTs) framework, as well as improving the estimates of 2020 and 2021 based on more recent data. Additionally, we have updated the base year to 2022 after holding this fixed since the start of the coronavirus (COVID-19) pandemic. For more information on these revisions please see our <u>Blue Book 2024: advanced aggregate estimates article</u>.

4. Related links

GDP monthly estimate, UK: August 2024

Bulletin | Released 11 October 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 quarterly national accounts, UK: April to June 2024

Bulletin | Released 30 September 2024

Revised quarterly estimate of gross domestic product (GDP) for the UK. Uses additional data to provide a more precise indication of economic growth than the first estimate.

Index of Services, UK: August 2024

Bulletin | Released 11 October 2024

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

Producer price inflation, UK: August 2024

Bulletin | Released 18 September 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: 2022 results

Bulletin | Released 24 July 2023

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

Energy Trends and Prices: monthly data

Web page | Last updated 26 September 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 11 October 2024, ONS website, statistical bulletin, <u>Index of Production</u>, <u>UK: August 2024</u>



Index of Production Release Tables

Pages 2-11 Table IoP5, index values and growth rates for industry groups and manufacturing sub-sectors



Output of the Production Industries, August 2024

Page 1	Output by Broad industry groups and Main industrial groupings Percentage change, latest year on previous year Percentage change, latest month on same month a year ago
Page 2	Percentage change, latest month on previous month Percentage change, latest 3 months on same 3 months a year ago
Page 3	Percentage change, latest 3 months on previous 3 months
Page 4	Output by Manufacturing sub-sectors part 1 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago
Page 5	Output by Manufacturing sub-sectors part 2 Percentage change, latest year on previous year Percentage change, latest month on same month a year ago
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Page 7	Percentage change, latest month on previous month part 2 Percentage change, latest 3 months on same 3 months a year ago
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Page 9	Percentage change, latest 3 months on previous 3 months part 2

Enquiries

IOP5 Output of the Production Industries Chained volume indices of gross value added¹

Seasonally adjusted 2022 = 100

	Broad industry groups							Seasonally adjusted 2022 = 100 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	В	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
	1 000.0	136.4	689.0	83.8	90.7	123.5	61.7	196.6	244.3	178.1	247.0	
Latest weight	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K240	K24T	
2019	104.6 [†]	124.0	f 101.8 ¹	132.7	T 93.8 T	130.9 [†]	95.9	95.9	T 98.9 ¹	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 2023	100.0 98.8	100.0 87.2	100.0 100.7	100.0 103.7	100.0 97.1	100.0 87.3	100.0 97.9	100.0 101.5	100.0 106.8	100.0 93.7	100.0 94.1	
2023 Q2	99.3 ^T	87.7				87.7 [†]	99.9				94.3	
Q3 Q4	99.4 97.9	87.9 85.3	101.5 100.2	104.4 101.3	96.2 95.7	88.2 85.4	96.9 95.4	102.0 101.8	108.9 107.6	93.7 91.7	94.7 92.3	
2024 Q1 Q2	98.0 97.7	83.5 83.1	100.9 100.2	102.7 103.0	93.4 95.3	84.0 83.3	93.4 92.0	101.8 102.3	108.7 106.9	92.1 91.9	92.2 91.7	
2023 Jun	100.5 ^T	86.9	103.3	102.5	[†] 97.6 [†]	86.7 [†]	102.0	104.3	^T 109.8 ¹	95.9 [†]	93.6	
Jul	99.6	87.0	102.1	103.1	96.8	87.2	98.1	102.9	109.4	94.2	93.8	
Aug Sep	99.5 99.1	89.8 87.0	101.4 100.9	103.9 106.3	95.3 96.5	90.2 87.3	95.5 97.2	101.4 101.6	108.7 108.5	94.1 92.8	95.5 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 Dec	97.8 98.4	86.0 85.0	100.1 101.1	100.8 102.1	95.5 94.8	86.1 85.3	96.1 94.1	102.2 103.2	107.6 107.4	91.1 93.0	92.4 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 Mar	98.1 98.4	82.9 83.6	101.1 101.4	103.0 103.3	93.7 93.3	83.2 83.9	93.6 92.4	101.2 104.8	109.5 107.2	92.3 92.7	92.0 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 Jun	97.4 98.1	83.5 81.5	99.8 101.2	102.2 102.3	95.4 95.4	83.8 81.2	91.5 92.5	102.6 102.9	106.1 107.7	91.2 93.5	91.6 90.6	
Jul Aug	97.4 97.9	84.6 81.1	100.0 101.1	100.3 101.5	94.1 95.5	84.6 81.1	91.2 92.5	103.0 103.8	105.6 107.0	92.5 93.6	91.2 90.2	
-	nge, latest year o	on previous ye	ar									
2019	1.8 ^T	2.0				1.1 [†]	0.3			4.1	5.2	
2020 2021	2.8 -0.7	0.8 -17.3	2.2 3.8	9.2 -25.0	1.4 [†] 5.6	0.6 -22.9	0.9 8.5	2.9 6.5	1.2 ¹ 7.0	f 4.3 [†] -2.5	4.2 -18.7	
2022 2023	-6.4 -1.2	-3.3 -12.8	-7.4 0.7	-7.9 3.7	-0.4 -2.9	-1.4 -12.7	-4.7 -2.1	-4.9 1.5	-6.6 6.8	-12.1 -6.3	-3.1 -5.9	
	nge, latest month											
2022 Jun	-6.5 ^T	14.3	-8.3	^T -10.5	[⊤] -0.1 [⊤]	27.5 [†]	-6.6	^T -4.0	T -6.7	-15.0 [↑]	-0.2	
Jul	-5.7	8.2	-8.1	-0.1	-2.2	13.8	-5.8	-6.8	-6.7	-11.5	5.0	
Aug Sep	-6.8 -5.7	-15.4 -8.9	-8.1 -7.8	3.3 10.5	-1.1 -0.4	-17.7 -8.7	-1.4 -6.6	-8.8 -5.4	-6.7 -6.9	-10.1 -11.7	-2.9 2.3	
Oct	-4.2	-10.0	-5.3	14.5	-3.6	-8.0	-3.1	-4.8	-	-12.2	1.4	
Nov Dec	-4.7 -4.4	-1.8 -7.6	-6.8 -5.7	9.8 14.5	-2.5 -2.9	2.3 -4.2	-6.5 -6.3	-6.2 -8.5	-2.7 0.5	-12.8 -10.8	3.8 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 Mar	-2.9 -1.7	-11.7 -13.1	-2.4 -1.2	9.1 13.4	-3.0 -0.6	-10.6 -11.6	-2.5 -0.2	-1.3 2.4	3.4 4.4	-9.4 -10.4	-3.7 -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 Jun	-2.8 0.6	-15.1 -14.1	-0.8 3.9	0.6 2.3	-3.7 -3.8	-15.0 -15.2	2.4 2.5	-0.4 5.5	6.7 10.4	-8.8 -3.4	-8.1 -7.5	
Jul	0.2	-18.3	3.7	2.3 3.8	-2.5	-19.3	-2.7	4.8	11.1	-4.5	-9.0 -2.5	
Aug Sep	0.8 0.4	-6.2 -11.3	2.7 2.6	3.8 3.6	-4.2 -2.0	-5.3 -11.4	-8.0 -1.3	4.8 1.9	8.1 9.5	-4.4 -4.0	-2.5 -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 Dec	-1.4 -0.4	-12.7 -6.7	1.4 1.8	-1.7 -4.2	-3.7 -3.8	-13.9 -7.2	-2.4 -4.3	1.7 1.8	6.7 5.0	-4.1 -1.2	-6.6 -7.7 -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 Mar	-0.5 -0.7	-8.2 -5.1	1.5 1.5	-1.6 -4.5	-4.2 -7.0	-7.7 -4.9	-6.0 -8.3	1.0	5.7 2.7	-2.8 -1.0	-4.0 -4.1	
Mar Apr	-0.7 -1.7	-5.1 -4.2	-1.0	-4.5 -1.5	-7.0 -3.1	-4.9 -3.7	-8.3 -5.7	3.2 1.3	-0.2	-3.4	-4.1 -2.8	
May Jun	-0.7 -2.4	-5.5 -6.2	-0.3 -2.0	2.9	-1.0 -2.3	-5.3 -6.3	-8.5 -9.3	2.7 -1.3	-1.9	-2.7 -2.6	-2.1 -3.2	
Jul	-2.2	-2.8	-2.0	-2.7	-2.8	-3.0	-7.0	0.1	-3.5	-1.8	-2.7	
Aug	-1.6	-9.6	-0.3	-2.3	0.1	-10.2	-3.2	2.3	-1.6	-0.5	-5.6	

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.

Seasonally adjusted 2022 = 100

	Broad industry groups						Seasonally adjusted 2022 = 100 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	В	С	D	Е	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Latest weight	1 000.0	136.4	689.0	83.8	90.7	123.5	61.7	196.6	244.3	178.1	247.0	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K240	K24T	
Percentage char	nge, latest mont	h on previous	month									
2022 Jun	-1.1	-2.8	-1.5	1.4	1.4	-1.8	1.8	-1.4	-0.1	-3.4	-0.6	
Jul	-0.4	5.3	-0.9	0.6	-2.1	5.6	1.3	-0.7	-0.9	-0.6	1.8	
Aug Sep	-0.7	-10.2 2.5	0.3 -0.4	-0.7 2.5	0.3 -1.1	-11.7 3.4	3.1 -5.1	-1.5 3.0	2.1 -1.5	-0.2 -1.8	-5.0 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 Dec	0.6 -0.4	3.6 -7.6	0.1 0.5	-0.5 4.0	1.4 -0.5	4.2 -8.1	2.0 -0.2	-1.4 1.0	1.9 1.5	-0.7 -0.8	1.6 -2.7	
				4.0								
2023 Jan Feb	-0.6 0.4	-6.8 6.3	0.4	- -1.7	0.6 -1.5	-8.0 6.7	-0.8 2.2	-0.1 -1.1	-0.4 1.7	1.7 -0.9	-3.7 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 May	0.2 -1.1	-0.1 0.5	0.8 -0.6	-1.7 -6.5	-2.0 -2.0	-0.3 0.6	-2.9 2.3	-1.4 -0.2	2.5 -0.8	0.8 -0.6	-0.7 -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 Sep	-0.1 -0.4	3.2 -3.1	-0.7 -0.5	0.7 2.3	-1.5 1.2	3.5 -3.3	-2.6 1.8	-1.4 0.2	-0.6 -0.3	-0.1 -1.4	1.8 -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 Dec	0.4 0.6	1.0 -1.2	0.6 1.0	-0.3 1.3	-1.2 -0.7	1.4 -1.0	-2.1	2.3 1.1	-0.1 -0.2	2.1	0.5 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 Apr	0.3 -0.8	0.8 0.9	0.3 -1.7	0.3 1.3	-0.4 2.1	0.9 1.0	-1.3 -0.3	3.6 -3.2	-2.1 -0.4	0.5 -1.7	0.4 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 Aug	-0.7 0.5	3.8 -4.0	-1.2 1.1	-1.9 1.2	-1.3 1.5	4.1 -4.2	-1.5 1.5	0.8	-1.9 1.3	-1.0 1.2	0.7 -1.2	
Percentage char												
2022 Jun	-7.0 [†]	9.6	-	-	T 0.9 T	18.0 [†]	-6.8	^T -4.9 ¹	-8.5 ^T	-13.5 [⊤]	-2.3	
Jul Aug	-6.4 -6.3	9.5 1.1	-8.1 -8.2	-10.2 -2.8	-0.7 -1.1	17.5 5.1	-6.1 -4.6	-6.2 -6.6	-6.6 -6.7	-12.9 -12.3	-0.1 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 Nov	-5.6 -4.9	-11.5 -7.0	-7.1 -6.7	9.3 11.5	-1.7 -2.2	-11.6 -5.0	-3.7 -5.4	-6.3 -5.4	-4.7 -3.3	-11.3 -12.3	0.2 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 Mar	-3.8 -2.9	-12.1 -13.9	-3.9 -2.4	12.0 11.6	-2.7 -2.0	-10.0 -12.3	-5.3 -3.3	-3.2 0.5	1.2 2.5	-10.4 -10.3	-2.3 -3.9	
Apr	-2.2	-13.5	-1.3	9.6	-2.4	-12.6	-1.1	-	5.3	-9.4	-4.7	
May Jun	-2.2 -1.4	-14.6 -14.9	-0.7 1.0	6.8 3.2	-2.7 -3.7	-14.1 -15.2	0.5 1.5	0.3 1.3	6.5 8.5	-9.1 -6.8	-6.2 -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 Oct	0.5	-12.2 -9.4	3.0 2.1	3.3 1.8	-2.9 -2.5	-12.3 -9.4	-4.0 -3.4	3.8 1.6	9.5 8.8	-4.3 -4.3	-5.4 -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 Feb	-0.8 -0.5	-7.1 -5.4	1.3 1.3	-3.5 -3.5	-4.6 -4.8	-7.3 -5.0	-3.4 -4.6	0.5 0.3	6.4 6.0	-3.3 -2.9	-4.8 -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 May	-0.9 -1.0	-5.8 -4.9	0.6	-2.5 -1.1	-4.8 -3.8	-5.5 -4.6	-6.7 -7.5	1.8 2.4	2.7 0.8	-2.4 -2.3	-3.7 -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	-4.8	-1.5		-2.0	-4.9	-8.3	0.5	-1.8	-2.3	-2.7	
Aug	-2.1	-6.2	-1.4	-1.7	-1.7	-6.5	-6.6	0.4	-2.3	-1.6	-3.8	

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

 $^{^\}dagger$ indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

·			Broad ind	ustry 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	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	136.4	689.0	83.8	90.7	123.5	61.7	196.6	244.3	178.1	247.0
Ü	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K240	K24T
Percentage cha	nge, latest 3 mo	nths on previo	ous 3 months ²								
2022 Jun	-0.8	1.2	-1.7	4.3	- 1	3.6	-4.1	-0.4	-1.5	-3.8	3.0
Jul Aug Sep Oct Nov Dec	-1.1 -1.7 -1.7 -1.4 -0.5 -0.1	1.3 -2.0 -2.9 -7.3 -3.8 -5.2	-1.8 -2.1 -1.9 -1.0 -0.3 0.4	3.0 2.5 1.6 2.0 2.4 2.9	-1.0 -0.9 -2.1 -1.6 -1.6 -0.6	3.1 -0.9 -2.8 -7.8 -3.6 -4.6	-1.1 2.4 2.6 0.3 -3.5 -3.2	-1.5 -2.2 -1.9 0.3 2.7 3.1	-0.6 0.1 0.2 0.4 0.1 1.3	-3.6 -4.4 -3.6 -3.3 -3.1 -3.1	1.3 -0.7 -1.9 -3.3 -1.4 -1.6
2023 Jan Feb Mar Apr May Jun	0.1 -0.3 -0.3 0.3 0.3 0.7	-5.0 -8.8 -7.6 -3.0 -0.7	0.6 0.9 0.9 0.9 0.8 1.7	3.3 3.2 2.3 1.1 -1.3 -3.6	0.4 0.1 0.6 -0.2 -0.2 -1.7	-4.7 -9.5 -8.6 -3.6 -0.6 0.1	-1.6 0.7 1.6 1.3 1.0	1.7 0.4 -0.2 -0.4 -0.5 0.4	2.1 3.0 2.6 3.3 3.2 4.2	-2.0 -0.8 -0.2 -0.7 -1.1 -0.1	-1.6 -3.8 -3.4 -1.2 -0.5 -1.0
Jul Aug Sep Oct Nov Dec	0.4 1.1 0.1 -0.8 -1.8 -1.5	-1.5 -0.3 0.2 -0.1 -2.1 -2.9	1.7 2.0 0.1 -1.2 -2.1 -1.2	-4.4 -1.3 1.7 2.1 -0.4 -3.0	-1.9 -1.8 -1.3 -0.8 -0.4 -0.6	-1.5 -0.3 0.6 - -2.2 -3.2	0.7 -0.9 -3.0 -3.8 -2.1 -1.6	1.7 2.3 0.5 -1.3 -1.6 -0.2	3.3 3.3 1.2 -0.1 -1.3 -1.2	0.4 0.9 -1.0 -2.1 -3.3 -2.1	-2.3 -0.9 0.5 0.5 -1.3 -2.5
2024 Jan Feb Mar Apr May Jun	-0.8 -0.1 0.1 0.2 -0.2 -0.3	-2.6 -2.4 -2.2 -1.7 -0.2 -0.5	-0.2 0.6 0.7 0.3 -0.5 -0.7	-2.1 -0.4 1.3 2.1 1.1 0.3	-1.8 -2.5 -2.4 -0.4 0.8 2.1	-2.4 -2.0 -1.7 -1.6 -0.3 -0.8	-1.6 -2.6 -2.1 -2.1 -2.1 -1.4	0.6 - 0.9 1.7 0.5	-0.2 0.8 1.1 -0.3 -1.9 -1.7	-0.9 0.6 0.4 0.2 -0.6 -0.2	-1.8 -0.9 -0.2 - - -0.5
Jul Aug	-0.4 -	-0.5 -1.7	-0.4 0.5	-2.0 -1.9	0.9 0.3	-0.9 -2.2	-1.1 0.1	0.4 0.3	-1.3	0.4 1.7	-1.4 -1.7

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

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

IOP 5 Output of the Production Industries Chained volume indices of gross value added¹

Seasonally adjusted 2022 = 100

	Food products, beverages and tobacco	Textiles, wearing apparel and	Wood and paper products	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and
Section	CA	leather products CB	and printing CC	CD	CE	preparations CF
	112.0	20.6	43.4	10.7	41.2	56.4
Latest weight	K22B	K22P	K22T	K22X	K22Z	K239
2019	101.0				120.9 T	82.5
2020 2021	100.1 105.2	71.6 98.7	111.2 117.1	82.9 88.4	135.4 125.9	98.4 102.9
2021	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 Q2	96.9	[†] 91.7 [†]	92.9	[†] 102.8 [†]	87.2 [†]	113.9
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
.024 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
2023 Jun	97.8	[†] 94.2 [†]	93.8	T 100.0 T	87.7 [†]	120.7
Jul	97.8	88.2	93.2	95.5	88.3	116.2
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 Dec	97.8 98.1	86.6 86.2	89.0 88.8	92.5 93.1	85.3 85.5	115.9 119.6
.024 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 Jun	99.5 99.4	79.2 79.7	90.6 91.2	92.4 96.2	86.9 88.0	113.8 115.5
Jul	99.3	79.6	92.8	90.0	87.9	115.5
Aug	99.6	79.2	92.4	90.1	87.4	117.4
					07.4	
Percentage cha	nge, latest year o					
Percentage cha	inge, latest year oi	12.3 [†]	1.8	т -18.6 ^т	14.4 [†]	5.7
Percentage cha 2019 2020	nge, latest year o	12.3 [†]				5.7
Percentage cha 2019 2020 2021	nge, latest year or 0.1 -1.0	12.3 [†] -33.9	1.8 -8.2	[†] -18.6 [†] -12.1	14.4 [†] 12.0	5.7 19.3
Percentage cha 2019 2020 2021 2022	onge, latest year or 0.1 -1.0 5.1	12.3 ^T -33.9 37.8	1.8 -8.2 5.3	^T -18.6 ^T -12.1 6.6	14.4 [†] 12.0 -7.1	5.7 19.3 4.6
Percentage cha 2019 2020 2021 2022 2023	0.1 -1.0 5.1 -4.9 -2.8	12.3 [†] -33.9 37.8 1.3	1.8 -8.2 5.3 -14.6 -8.4	^T -18.6 ^T -12.1 6.6 13.1	14.4 [†] 12.0 -7.1 -20.5	5.7 19.3 4.6 -2.8
Percentage cha 2019 2020 2021 2022 2023 Percentage cha	0.1 -1.0 5.1 -4.9 -2.8	12.3 T -33.9 37.8 1.3 -9.9	1.8 -8.2 5.3 -14.6 -8.4	-18.6 [†] -12.1 6.6 13.1 -2.9	14.4 [†] 12.0 -7.1 -20.5	5.7 19.3 4.6 -2.8
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7	12.3 T -33.9 37.8 1.3 -9.9 on same month a y -5.0 T -0.5	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1	T -18.6 T -12.1 6.6 13.1 -2.9	14.4 [†] 12.0 -7.1 -20.5 -12.9	5.7 19.3 4.6 -2.8 13.8
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug	0.1 -1.0 5.1 -4.9 -2.8 unge, latest month -6.8 -6.7 -6.8	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a yr -5.0 ¹ -0.5 -2.8	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0	14.4 ^T 12.0 -7.1 -20.5 -12.9 -24.3 ^T -23.2 -19.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep	nge, latest year or 0.1 1-1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8	12.3 ^T -33.9 37.8 1.3 -9.9 on same month a yo -5.0 ^T -5.2 8 -4.2	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8	14.4 ^T 12.0 -7.1 -20.5 -12.9 -24.3 ^T -23.2 -19.8 -21.1	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7	12.3 T -33.9 37.8 1.3 -9.9 on same month a yr -5.0 T -0.5 -2.8 -4.2 -8.7	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3 -19.6	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1	14.4 ^T 12.0 -7.1 -20.5 -12.9 -24.3 ^T -23.2 -19.8 -21.1 -22.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep	nge, latest year or 0.1 1-1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8	12.3 ^T -33.9 37.8 1.3 -9.9 on same month a yo -5.0 ^T -5.2 8 -4.2	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8	14.4 ^T 12.0 -7.1 -20.5 -12.9 -24.3 ^T -23.2 -19.8 -21.1	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -8.1 -7.4	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a yr -5.0 ¹ -0.5 -2.8 -4.2 -8.7 -8.1	1.8 -8.2 5.3 -14.6 -8.4 ear agc -16.1 -15.8 -16.2 -18.3 -19.6 -18.0	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb	nge, latest year or 0.1 1-1.0 5.1 4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a yo -5.0 ¹ -5.0 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1	1.8 -8.2 5.3 -14.6 -8.4 ear agc -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.5 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar	nge, latest year of 1.0.0 5.1 4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a ye -5.0 ¹ -5.0 ¹ -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -7.4 -6.7 -5.9 -4.9 -5.3	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -5.1 -10.2 -12.3	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -15.3 -15.3 -19.6 -9.9	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -6.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4	5.7 19.3 4.6 2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 10.9 25.4 14.1
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 2024 2025 2026 2027 2027 2028 2028 2029 2020	nge, latest year of 1.0.0 5.1 4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a ye -5.0 ¹ -5.0 ¹ -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2	12.3 ¹ -33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -15.3 -13.6 -9.9 -11.0 -4.7	1 -18.6 T -12.1 6.6 13.1 -2.9 14 T -2.9 15 -2.9 17 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -5.5 -5.5 -5.3 -2.3	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 10.9 25.4 14.1 13.6 24.7
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug	nge, latest year of 1-1.00 5.1 1-4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 4.8 -2.2 -2.2 -2.9	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -5.2 8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6	1.8 -8.2 5.3 -14.6 -8.4 ear ags -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -6.5 -5.3 -2.3 3.3 2.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 10.9 25.4 14.1 13.6 24.7
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.9 0.8	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -5.0 ¹ -5.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -10.3 -2.9 -12.6 -10.9 -10.9	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.0 -17.0 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -6.5 -5.3 -2.3 3.3 5.5 -0.7	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -24.3 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0	5.7 19.3 4.6 2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1
Percentage change chang	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.3 -4.8 -2.2 -2.9 0.8	12.3 1 3.8 1.3 -9.9 on same month a y. 1 -5.0 1 -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6 -10.9 -10.5	1.8 -8.2 5.3 -14.6 -8.4 ear agc -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -15.3 -15.3 -15.3 -15.4 -6.3 -2.9 -4.8 -6.0	T -18.6 T -12.1 6.6 13.1 -2.9 T -2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -5.5 -5.5 -5.3 -2.3 3.3 2.5 -0.7 -5.9	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1	5.7 19.3 4.6 2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 10.9 25.4 13.6 24.7 24.3 26.1 6.1
Percentage cha 1019 1020 1021 1022 1023 Percentage cha 1022 Jun Jul Aug Sep Oct Nov Dec 1023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.9 0.8	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -5.0 ¹ -5.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -10.3 -2.9 -12.6 -10.9 -10.9	1.8 -8.2 5.3 -14.6 -8.4 ear ag: -16.1 -15.8 -16.2 -18.0 -17.0 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8	T -18.6 T -12.1 6.6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -6.5 -5.3 -2.3 3.3 5.5 -0.7	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -24.3 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0	5.7 19.3 4.6 2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1
Percentage cha 2019 2020 2021 2022 2022 2022 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	nge, latest year of 1-1.00 5.1 1-4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -6.7 -6.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.2 -2.2 -2.2 -2.2 -2.2 -0.8 -0.4 -0.3	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a young for the young for t	1.8 -8.2 5.3 -14.6 -8.4 ear agc -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -15.3 -13.6 -9.9 -11.0 -4.7	T -18.6 T -12.1 6.6 6 13.1 -2.9 T 2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -6.5 -5.5 -6.5 -2.3 3.3 2.5 -0.7 -5.9 -3.5	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1 6.1 -2.5 7.5 4.5
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb	nge, latest year of 1.1.0 5.1 4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.8 -8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.2 -2.9 0.8 -0.4 -0.3 1.3	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a y ¹ -5.0 ¹ -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.5 -12.8 -13.0 -10.5 -12.8 -13.0 -12.4 -9.1	1.8 -8.2 -5.3 -14.6 -8.4 ear ags -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8 -6.0 -4.6 -3.2 -3.7 -1.6	1 -18.6 T -12.1 6.6 13.1 -2.9 14 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -6.5 -5.3 -2.3 3.3 2.5 -0.7 -5.9 -3.5 -0.4 -2.5 1.7	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4 -2.6 -7.4 -3.2	5.7 19.3 4.6 2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 25.4 14.1 13.6 24.7 24.3 26.1 -2.5 7.5 4.5
Percentage change chang	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.8 -8.7 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.9 0.8 -0.4 -0.3 1.3 0.1 1.3 3.3	12.3 1 3.8 1.3 -9.9 on same month a y. 1 -5.0 1 -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6 -10.9 -10.5 -12.8 -13.0 -12.4 -9.1 -10.4	1.8 -8.2 5.3 -14.6 -8.4 ear ag -16.1 -15.8 -16.2 -18.0 -17.0 -15.3 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8 -6.0 -4.6 -3.2 -3.7 -1.6 -2.8	1 -18.6 T -12.1 6.6 13.1 -2.9 14 T -2.9 15 -2.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4 -2.6 -7.4 -3.2 -4.0	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1 6.2 5.7.5 4.5
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb Nov Dec 2024 Jan Feb Mar Apr	nge, latest year of 1-1.00 5.1 1-4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -6.7 -8.1 -7.4 -6.7 -5.9 -5.3 -5.7 -4.8 -2.2 -2.9 0.8 -0.4 -0.3 1.3 3.3 3.3 3.1.6	12.3 1 33.9 37.8 1.3 -9.9 on same month a y. 1 -5.0 1 -0.5 -2.8 -4.2 -8.7 -8.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6 -10.9 -10.5 -12.8 -13.0 -12.4 -9.1 -10.4 -9.8	1.8 -8.2 5.3 -14.6 -8.4 ear agv -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8 -6.3 -3.2	T -18.6 T -12.1 6.6 16.6 13.1 -2.9 T -2.4 T -1.2 -2.0 3.8 4.1 -4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -6.5 3 -2.3 3.3 2.5 -0.7 -5.9 -3.5 -0.4 -2.5 1.7 -2.9 -9.6	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4 -2.6 -7.4 -3.2 -4.0 -0.8	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1 -2.5 7.5 4.5
Percentage change chang	nge, latest year of 0.1 -1.0 5.1 -4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.8 -8.7 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.9 0.8 -0.4 -0.3 1.3 0.1 1.3 3.3	12.3 1 3.8 1.3 -9.9 on same month a y. 1 -5.0 1 -0.5 -2.8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6 -10.9 -10.5 -12.8 -13.0 -12.4 -9.1 -10.4	1.8 -8.2 5.3 -14.6 -8.4 ear ag -16.1 -15.8 -16.2 -18.0 -17.0 -15.3 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8 -6.0 -4.6 -3.2 -3.7 -1.6 -2.8	1 -18.6 T -12.1 6.6 13.1 -2.9 14 T -2.9 15 -2.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.5 -5.	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4 -2.6 -7.4 -3.2 -4.0	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 10.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1 6.2 5.7.5 4.5
Percentage cha 2019 2020 2021 2022 2023 Percentage cha 2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb Mar Apr Nov Dec 2024 Jan Feb Mar Apr May May May	nge, latest year of 1.1.0 5.1 4.9 -2.8 nge, latest month -6.8 -6.7 -6.8 -8.7 -6.8 -8.7 -8.1 -7.4 -6.7 -5.9 -4.9 -5.3 -5.7 -4.8 -2.2 -2.2 -2.9 0.8 -0.4 -0.3 1.3 3.3 1.6 2.9	12.3 ¹ 33.9 37.8 1.3 -9.9 on same month a y -5.0 ¹ -5.2 8 -4.2 -8.7 -8.1 -2.8 -6.8 -5.1 -10.2 -12.3 -10.3 -2.9 -12.3 -11.6 -10.9 -10.5 -12.8 -13.0 -12.4 -9.1 -10.4 -9.8 -9.8	1.8 -8.2 5.3 -14.6 -8.4 ear ags -16.1 -15.8 -16.2 -18.3 -19.6 -18.0 -17.0 -15.3 -13.6 -9.9 -11.0 -4.7 -6.3 -2.9 -4.8 -6.0 -4.6 -3.2 -3.7 -1.6 -2.8 -4.3 -0.9	1 -18.6 T -12.1 6.6 13.1 -2.9 14 T -2.4 T -1.2 -2.0 3.8 4.1 -4.1 -3.8 -2.9 -5.5 -5.5 -6.5 -5.3 -2.3 3.3 2.5 -0.7 -5.9 -3.5 -0.4 -2.5 1.7 -2.9 -9.6 6 -11.9	14.4 T 12.0 -7.1 -20.5 -12.9 -24.3 T -23.2 -19.8 -21.1 -22.8 -23.5 -24.3 -22.4 -20.5 -17.8 -17.4 -17.6 -10.8 -7.8 -11.9 -7.0 -8.1 -4.4 -2.6 -7.4 -3.2 -4.0 -0.8 -0.5	5.7 19.3 4.6 -2.8 13.8 5.1 -5.9 -11.1 5.8 6.7 0.3 -7.9 18.9 25.4 14.1 13.6 24.7 24.3 26.1 6.1 -2.5 7.5 7.5 4.5

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.

Output of the Production Industries Chained volume indices of gross value added Chained volume indices of gross value added

ained volume indices of gross value added.

Seasonally adjusted 2022 = 100

	Dold 1							
	Rubber and plastic products and non-metallic	Basic metals and metal	Computer, electronic and	Electrical	Machinery and equipment not elsewhere	Transport	Other manufacturing	
Section	mineral products CG	products	optical products	equipment CJ	classified	equipment CL	and repair CM	
			47.3					
atest weight	51.1 K23B	76.2 K23G	K23N	19.1 K23P	54.9 K23R	94.5 K23T	62.5 K23Z	
019	110.6 ^T	103.6	^т 94.9 ^т	123.2 ^T	97.2 ^T	99.5	^T 100.9	
020	111.2	113.1	98.9	165.8	101.2	98.9	97.9	
021	111.2	106.0	107.1	137.4	111.9	105.9	101.8	
1022 1023	100.0 90.1	100.0 103.2	100.0 100.9	100.0 95.7	100.0 99.2	100.0 114.5	100.0 102.2	
023 Q2	93.3 [†]	102.1	[†] 103.0 [†]	96.2 [†]	100.7 ^T	114.1	^T 104.0	
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	
024 Q1 Q2	84.8 84.3	108.0 108.1	96.3 95.2	92.4 88.5	91.7 92.7	124.7 120.9	101.5 99.4	
QZ	04.3	100.1	95.2	66.3	92.1	120.9	99.4	
023 Jun	94.8 [†]	103.3	T 106.2 T	99.0 ^T	99.2 [†]	117.9	^T 105.5	
Jul	88.6 88.1	104.3 105.3	102.3 98.9	100.8 99.0	102.4 100.5	116.4 119.5	104.8 101.6	
Aug Sep	85.7	105.3	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 Dec	82.3 83.9	104.7 107.5	100.2 97.3	95.0 94.3	93.0 92.1	119.9 122.4	99.8 101.3	
024 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 Jun	84.1 85.4	107.1 110.7	94.4 95.8	86.3 90.1	91.2 94.8	120.0 121.4	99.9 99.1	
Jul	83.9	109.2	94.7	84.9	90.8	118.6	99.5	
Aug Porcontago ol	85.4 hange, latest year on	111.6	97.0	90.0	91.0	121.1	98.8	
2019	1.3	-3.6	0.6	15.9 [†]	-8.7 ^T	-2.8	-1.2	
2020	0.6 ^T	9.1		34.6	4.1	-0.6		
2021	-0.1	-6.3	8.3	-17.1	10.6	7.1	3.9	
.022 .023	-10.1 -9.9	-5.7 3.2	-6.6 0.9	-27.2 -4.3	-10.6 -0.8	-5.6 14.5	-1.7 2.2	
ercentage ci	hange, latest month	on same month a						
•	hange, latest month -9.6 [⊤]	-9.1	T -8.5 T	-28.9 [⊤]	-13.3 [™]	-1.0	T -4.1	
022 Jun	-9.6 ^T	-9.1						
-	•		-8.5 ^T -6.7 -2.9	-28.9 [↑] -27.6 -21.5	-13.3 [†] -11.0 -11.8	-1.0 -4.0 -8.5	-4.4	
2022 Jun Jul	-9.6 ^T -7.9 -7.1 -10.1	-9.1 -2.8 -2.5 -3.3	-6.7 -2.9 -6.8	-27.6 -21.5 -20.1	-11.0	-4.0	-4.4 0.5 -2.0	
Jul Aug Sep Oct	-9.6 ^T -7.9 -7.1 -10.1 -9.4	-9.1 -2.8 -2.5 -3.3 -3.1	-6.7 -2.9 -6.8 -2.8	-27.6 -21.5 -20.1 -16.5	-11.0 -11.8 -14.5	-4.0 -8.5 -5.2 2.9	-4.4 0.5 -2.0 -1.7	
2022 Jun Jul Aug Sep	-9.6 ^T -7.9 -7.1 -10.1	-9.1 -2.8 -2.5 -3.3	-6.7 -2.9 -6.8	-27.6 -21.5 -20.1	-11.0 -11.8	-4.0 -8.5 -5.2	-4.4 0.5 -2.0	
Jul Aug Sep Oct Nov Dec	-9.6 ^T -7.9 -7.1 -10.1 -9.4 -11.8	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2	-6.7 -2.9 -6.8 -2.8 -7.4	-27.6 -21.5 -20.1 -16.5 -14.6	-11.0 -11.8 -14.5 -	-4.0 -8.5 -5.2 2.9 0.2	-4.4 0.5 -2.0 -1.7 0.9	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4	-11.0 -11.8 -14.5 - -6.0 4.1 -2.8 3.0	-4.0 -8.5 -5.2 2.9 0.2 0.9	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9	-11.0 -11.8 -14.5 - -6.0 4.1 -2.8 3.0 3.1	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9	-11.0 -11.8 -14.5 - -6.0 4.1 -2.8 3.0 3.1 4.8	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9	-11.0 -11.8 -14.5 - -6.0 4.1 -2.8 3.0 3.1	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3	-4.0 -8.5 -5.2 2.9 0.9 0.9 3.2 5.9 6.7 12.4 10.8 19.3	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 5.5 6.7	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 5.5 6.7 7.4	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4	
Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1 -14.7	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 5.5 6.7 7.4 7.4	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7 2.5 -5.0 2.0	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3 -2.4 -2.3	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7 18.1	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4	
Jul Aug Sep Oct Nov Dec Mar Apr May Jun Jul Aug Sep	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 5.5 6.7 7.4	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1 -14.7 -14.2 -13.4 -14.6	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 5.5 6.7 7.4 7.9 12.1	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7 2.5 -5.0 2.0 1.9 0.7 -2.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3 4.0 0.5 1.2 -1.6 -1.1 -0.9	-11.0 -11.8 -14.5 	-4.0 -8.5 -5.2 2.9 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7 18.1 17.7 19.5	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4 5.0 0.2 1.3 1.4 -1.4	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1 -14.7 -14.2 -13.4 -14.6 -12.6	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 -5.5 6.7 7.4 7.4 7.9 12.1 6.5 8.3	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7 2.5 -5.0 2.0 1.9 0.7 -2.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3 4.0 0.5 1.2 -1.6 -1.1 -0.9	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3 2.8 1.2 -0.4 -5.8 -9.8	-4.0 -8.5 -5.2 2.9 0.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7 18.1 17.7 19.5 20.6 21.0	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4 5.0 0.2 1.3 1.4 -1.4 -1.0	
Jul Aug Sep Oct Nov Dec 1023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 1024 Jan Feb Mar	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -14.7 -14.2 -13.4 -14.6 -12.6 -8.8	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 -5.5 6.7 7.4 7.9 12.1 6.5 8.3 7.8	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7 2.5 -5.0 2.0 1.9 0.7 -2.8	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3 4.0 0.5 1.2 -1.6 -1.1 -0.9	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3 2.8 1.2 -0.4 -5.8 -9.8	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7 18.1 17.7 19.5 20.6 21.0 13.7	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4 5.0 0.2 1.3 1.4 -1.4 -1.0	
2022 Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb	-9.6 T -7.9 -7.1 -10.1 -9.4 -11.8 -5.1 -4.8 -3.3 -7.5 -8.9 -12.0 -6.2 -11.4 -11.3 -12.1 -14.7 -14.2 -13.4 -14.6 -12.6	-9.1 -2.8 -2.5 -3.3 -3.1 -4.2 -5.4 -3.5 -3.3 -3.0 -1.2 0.3 3.4 -5.5 6.7 -7.4 -7.9 -12.1 -6.5 -8.3 -7.8 -7.9 -7.1 -7.1 -7.9 -7.1 -7.1 -7.9 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1 -7.1	-6.7 -2.9 -6.8 -2.8 -7.4 -6.8 -7.2 0.2 2.8 1.8 7.1 7.7 2.5 -5.0 2.0 1.9 0.7 -2.8 -1.6 -4.9 -7.3 -3.9	-27.6 -21.5 -20.1 -16.5 -14.6 -14.4 -11.5 -14.9 -14.2 -5.9 -5.3 0.3 4.0 0.5 1.2 -1.6 -1.1 -0.9	-11.0 -11.8 -14.5 -6.0 4.1 -2.8 3.0 3.1 4.8 -2.4 -2.3 -2.3 -2.8 1.2 -0.4 -5.8 -9.8 -7.7 -12.6 -10.2 -11.0	-4.0 -8.5 -5.2 2.9 0.2 0.9 3.2 5.9 6.7 12.4 10.8 19.3 20.2 20.7 18.1 17.7 19.5 20.6 21.0 13.7 7.2	-4.4 0.5 -2.0 -1.7 0.9 3.7 2.5 0.5 1.1 7.0 4.1 5.4 5.0 0.2 1.3 1.4 -1.4 -1.0	
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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 Chained volume indices of gross value added¹

Seasonally adjusted 2022 = 100 Food products, beverages Textiles, wearing apparel and Wood and Coke and Chemicals pharmaceutical paper products refined petroleum and tobacco leather products and printing products products Section СВ CC CD CE CF 112.0 20.6 43.4 10.7 41.2 56.4 Latest weight K22B K22P K22T K22X K22Z K239 Percentage change, latest month on previous month 2022 Jun -1.6 ^T -4.1 ^T -4.2 ^T -7.5 -6.4 ^T -0.1 ^T 1.0 -9.7 -3.4 -0.1 3.8 Aug Sep -0.9 -2.5 -0.5 0.1 -3.8 -0.8 1.5 -1.7 16.7 1.7 -4.5 1.0 -4.0 2.0 -1.2 5.2 3.2 Nov 0.6 -1.9 -3.0 -4.4 -0.2 -1.7 -2.5 6.0 Dec -1.3 -1.6 2023 Jan 0.6 -3.5 3.4 -3.7 3.7 -2.0 -2.4 -1.3 0.4 1.1 4.3 1.7 0.2 -1.1 4.6 -2.6 Mar -0.8 -0.6 Apr 0.3 -2.1 2.5 -0.7 9.7 0.6 -4.6 1.4 Jun 1.1 -6.3 -0.6 -4 5 0.7 -3.7 Jul -1.7 0.3 -0.3 0.6 -2.7 -0.3 Aua Sep 1.2 -0.1 0.8 -2.8 -2.9 0.7 -1.8 -3.5 0.5 -0.9 Oct -3.3-2.4-3.4Nov 0.6 -0.5 5.5 Dec 0.3 -0.4 -0.2 0.6 0.2 3.1 2024 Jan -0.6 -2.8 0.6 -10.0 Feb 1.3 1.1 1.8 -3.8 1.4 5.2 -0.4 1.7 2.4 9.8 Mar -0.8 -0.7 Apr May -0.5 1.3 -5.4 -1.4 2.2 0.2 -6.1 0.2 -22 -0.6 1.8 -2.8 -0.1 Jul -0.1 1.8 -6.4 -0.2 1.6 0.3 -0.4 0.1 -0.5 Percentage change, latest 3 months on same 3 months a year ago 2022 Jun **-**5.9 [⊤] -0.2 ^T -15.8 T 20.2 T -21.5 [™] -0.8 ^T -2.2 -2.8 -22.2 -22.5 -6.4 -15.7 8.3 -0.2 -4.3 -4.3 -6.8 -7.4 -7.9 Aug -16.0 -2.5 -5.2 Sep Oct 0.1 1.9 -21.4 -21.2 -3.8 0.5 -16.8 -18.0 -8.1 -7.4 -7.0 -6.6 -18.6 -22.5 -18.2 -1.4 -23.5 -0.7 Dec 2.5 2023 Jan -6.7 -6.0 -16.8 -3.6 -23.4 -22.4 -5.9 -4.9 -15.9 5.8 Feb -4.1 Mar -5.4 -7.4 -14.7 -4.7 -20.3 18.2 Apr May -5.3 -92 -13.0-5.9 -18 6 16 6 -10.9 -11.5 -5.8 Jun -4.3 -8.6 -8.6 -4.7 -15.4 17.5 -3.1 -2.4 -8.6 -12.2 20.8 25.0 18.2 8.9 -9.0 -4.7 -10.2Aug 1.1 -9.0 Sep Oct -0.8 -11.0 -4.5 -1.4 -9.1 -11.4 Nov -5.1 -3.4 -6.5 3.6 Dec 0.2 -12.1 -3.3 3.1 2024 0.4 -12.7 -3.9 -4.8 3.2 Jan -2.8 -2.7 -4 4 1.2 Feb 0.9 -11.5 -0.4 1.6 -10.6 -1.3 -4.9 Mar -9.7 -2.9 3.4 Apr -2.7 -2.7 2.6 2.0 4.1 0.4 May -10 9 -8.2 -1.4 -8.5 -12.6 Jun Jul 2.0 -12.7 -1.4 -7.2 0.1 -0.6 -12.0 -1.3 Aug

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[†] 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

Chained volume indices of gross value added Seasonally adjusted 2022 = 100 Machinery and Rubber and plastic products and non-metallic Computer, electronic and Basic metals equipment not Other and metal Electrical . elsewhere manufacturing Transport mineral products and repair products optical products equipment classified equipment Section CG CH CI CJ CK CL CM 51.1 76.2 47.3 54 9 94.5 62.5 191 Latest weight K23Z K23B K23G K23N K23P K23R K23T Percentage change, latest month on previous month 2022 Jun -3.5 T 2.1 ^T -0.5 ^T -0.5 ^T -1.6 1.8 ^T -1.0 -1.2 -0.3 Jul -1.1 1.2 -1.7-2.0 4.3 -0.6 -0.1 1.6 -0.3 1.9 1.6 Aug -0.9 -1.4 Sep -1.9 -4.8 -1.1 -0.2 -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 0.6 0.6 Dec 1.0 -1.2 -0.83.5 1.1 2023 Jan 1.5 4.6 1.6 0.8 -1.0 Feb -1.1 -0.2 2.5 -7.7 2.2 2.2 -0.2 0.6 0.7 1.5 -3.5 1.3 5.9 1.7 5.5 -0.1 3.0 Mar -3.9 -1.1 -0.5 1.1 Apr 0.3 -3.5 -1.6 May -0.9 4.1 -1.9 -1.8 2.9 1.5 2.7 5.4 -0.4 5.9 3.1 Jun -6.6 1.0 -3.7 1.8 3.2 -1.2 -0.7 Jul -0.5 0.9 -3.3 -1.8 -1.9 2.6 -3.1 Aug -2.8 -0.2 2.1 -0.5 -1.8 -1.0 -0.1 Sep Oct -2.6 -1.5 -2.1 -3.3 -3.0 0.3 0.1 Nov -14 1.2 1.3 -0.3-2.8 1.0 -1.6 2.7 Dec 2.0 -2.9 -0.7-1.02.1 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 48 -4 4 Mar 0.3 -1 1 16 0.1 -2.3 -1.8 -6.4 -0.6 0.1 0.2 -1.6 Apr -3.2 0.9 0.5 -0.7 -1.0 0.6 May 1.5 3.3 1.5 4.4 3.9 -0.7 Jul -1.7 -5.8 -2.3 0.4 -1.4 -4.3 -1.1 Aug 1.7 2.3 2.3 5.9 0.2 2.1 -0.7 Percentage change, latest 3 months on same 3 months a year ago 2022 Jun -9.7 T -7.1 ^T -10.5 ^T -32.2 T -14.5 -3.5 T -4.0 Jul -8.2 -6.3 -8.6 -30.0 -12.4 ¹ -1.1 -4.0 -2.7 -2.0 Aug -8.2 -4.9 -6.1 -26.1 -23.2 -12.0-46 -2.9 -8.4 **-**5.5 -5.9 Sep -12.5 -3.0 -1.1 Oct -8.9 -4.2 -19.4 -9.3 -3.8 -10.4 -3.5 -5.7 Nov 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 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 -2.5 Apr -6.6 1.6 -11.7 3.6 8.3 2.8 -1.3 3.9 -8.6 10.0 4.0 Mav -9.5 1.8 -9.0 0.8 5.5 -3.6 -0.1 14.1 5.5 Jun Jul -9.9 3.1 5.7 -0.4 -0.7 16.4 4.9 Aug -96 5.2 1.6 1.6 1.9 0.5 196 3.5 2.2 6.5 -0.2 1.2 Sep -11.6 20.0 -12.7 7.1 -0.4 0.1 0.3 1.0 Oct 19.7 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 -14.1 8.8 -1.3 -2.6 -7.8 19.3 -0.4 Jan Feb -13.5 9.0 -3.1 -10.0 20.3 Mar -12.07.6 -46 0.3 -10.2 18.4 0.3 -5.4 -6.7 Apr -10.6 7.1 -0.1 -11.3 13.8 -1.76.1 -2.4 -3.3 -9.9 Mav -9.3 9.5

-9.7

-8 0

-6.2

Jun

Jul

Aug

5.9

5.7

5.9

-7.5

-8 7

-6.5

-8.0

-11.0

-11.3

-8.0

-8 1

-8.5

-4.4

-4 5

-4.6

5.9

42

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 Chained volume indices of gross value added¹

Seasonally adjusted 2022 = 100 Food products, beverages Textiles, wearing apparel and Wood and paper products Chemicals Coke and pharmaceutical refined petroleum and tobacco leather products and printing products products preparations Section СВ CC CD CE CF 112.0 20.6 43.4 10.7 41.2 56.4 Latest weight K22B K22P K22T K22X K22Z K239 Percentage change, latest 3 months on previous 3 months 2022 Jun -1.5 ^T -0.7 T -6.2 ^T 4.1 ^T -7.8 ^T 3.3 T -5.9 0.4 Jul -2.2 -2.6 -2.8 -2.2 Aug Sep -12.4 -13.5 -7.2 -6.4 -4.9 -8.4 -7.3 -0.9 0.6 -2.7 -0.7 -5.0 -5.5 -0.6 -3.5 -3.3 -5.9 Nov -1.0 16.2 -1.0 -2.1 -6.1 14.5 Dec 1.8 2023 Jan -0.3 -0.8 -2.7 0.9 -5.3 6.6 -2.5 -4.7 -6.3 -2.3 -1.1 1.7 -0.7 0.3 -0.2 0.9 -0.3 -0.7 -0.6 -1.4 4.0 6.0 Mar Apr May -0.8 -0.3 -5.5 -2.0 0.3 0.5 7.7 4.0 -1.7 -2.2 0.4 Jun -0.9 4.0 Jul 0.7 0.2 -1.0 -0.6 -6.1 -7.7 0.8 -0.6 0.9 -0.1 5.4 Aua 1.3 -2.1 -3.7 -0.1 0.2 -3.4 -3.3 -0.9 -2.1 -4.0 -0.3 -2.1 -2.1 Sep Oct -6.9 -3.3 -2.6 -5.4 -3.2 Nov 0.2 Dec 0.6 -3.3 -2.1 -2.8 -2.6 -3.0 0.2 -0.8 2024 Jan 0.9 -2.0 1.0 4.0 6.2 -0.6 -0.4 -0.7 -1.9 Feb 0.7 1.0 Mar 0.9 Apr May 1.0 0.9 -3.0 -4.9 1.0 0.4 4.3 -0.7 0.5 3.2 0.9 1.4 Jun 0.1 -4.2 0.5 2.9 1.2 -4.2 -1.8 1.7 2.4 -4.6 -3.0 Jul 0.6 2.2 Aug 0.5 1.8

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.

Output of the Production Industries Chained volume indices of gross value added Output Outpu

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 <	conti	nued	Onamica voidii	ic maiocs or gr	oss value added			Seasonally ad	usted 2022 = 100
Latest weight S1.1 76.2 47.3 19.1 54.9 94.5 62.5 K23B K23G K23N K23P K23R K23T K23Z Percentage change, latest 3 months on previous 3 months 2022 Jun 0.9 -2.4 -4.8 -6.3 -0.3 -0.1 -1.3 Jul 0.7 -3.2 -1.3 -5.6 1.8 -1.3 -1.3 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 -4.8 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 0.9 Apr 1.3 1.4 -2.6 -2.5 -2.6 -2.0 3.6 0.6 Apr 1.3 1.4 -2.6 -2.5 -2.6 -2.0 3.6 0.6 Apr 1.3 1.4 -2.6 -2.5 -2.6 -2.0 3.6 0.6 Apr 1.3 1.4 -2.6 -2.5 -2.6 -2.0 3.3 0.1 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 Jul -0.1 1.0 -0.8 -5.1 1.1 -2.9 -0.9			plastic products and non-metallic	and metal	electronic and		equipment not elsewhere		manufacturing
R23B R23G R23N R23P R23R R23T R23Z	Sectio	n	CG	СН	CI	C1	CK	CL	СМ
R23B R23G R23N R23P R23R R23T R23Z	Latest	weiaht	51.1	76.2	47.3	19.1	54.9	94.5	62.5
2022 Jun		3	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
Jul 0.7 -3.2 T -1.3 -5.6 1.8 -1.3 -1.9 1.8 Sep -3.6 -2.8 3.5 -2.2 -1.4 -1.6 1.8 Cct -3.6 -2.8 3.5 -2.2 -1.4 -1.6 1.8 Cct -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 -2.5 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 Cct -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 Jul -2.7 1.3 1.4 -2.9 -0.9 May -0.1 -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 3.6 0.6 Apr -1.3 1.4 -4.3 -5.6 2.9 -0.2 Jul -2.7 -2.7 -2.7 -2.2 3.3 -4.9 0.9 -2.9 Jul -2.9 0.3 -1.9 -4.6 -6.9 1.9 -1.7 Jul -2.9 -0.9 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 3.3 -3.0 -3.0 -3.0 -3.1 -3.1 -3.1 -4.3 -4.1 -4.9 0.9 -2.9 Jul -3.2 -2.7 -2.2 3.3 -4.9 0.9 -2.9 Jul -3.2 -2.6 -2.0 3.6 0.6 Apr -1.3 -4.4 -2.6 -1.8 -1.6 1.1 -0.9 May -0.1 -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 -0.9 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 -0.9 Jul -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 -0.9	Perce	ntage c	hange, latest 3 mont	hs on previous 3	months				
Aug	2022	Jun	0.9 [†]	-2.4	-4.8 ^T	-6.3	[⊤] -0.3 [†]	-0.1	^T -1.3
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 -0.4 6.6 0.9 Jul -2.9 2.3 2.8 6.6 -2.4 6.1 2.0 Aug -2.5 3.0 0.6									-
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 <		Aug							
Nov Dec -3.0 -2.1 -2.3 -2.0 -1.3 -2.4 -2.5 1.5 -2.1 0.1 -2.0 2023 Jan -1.2 -2.1 -1.2 -2.1 -2.5 -1.6 -2.5 -1.6 -2.7 -3.2 -1.1 1.1 -2.5 -1.6 -2.7 -3.2 -1.1 Feb -1.4 -1.2 -1.4 -1.8 -1.6 -3.1 -4.4 -3.6 -3.1 -4.4 -3.6 -3.1 -4.4 -3.6 -3.1 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0		Sep							1.8
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 -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		Oct	-3.6	-2.4	1.7	-0.7	-3.1	0.4	1.1
2023 Jan		Nov	-3.0	-2.1	-2.3	-1.3	-2.4	1.5	0.1
Feb		Dec	-2.1	-2.1	-2.0	-1.6	-0.5	3.3	0.8
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 0.5 0.5 0.5 0.5 0.4 -0.4 -0.4 6.6 0.9 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.4 -0.4 -0.4 6.6 0.9 0.5 0.9 0.0 0.0 0.0 0.4 -0.4 -0.4 6.6 0.9 0.9 0.2 3.2 2.8 0.6 0.6 0.1 1.4 0.0	2023								
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		Feb	0.4	1.8	1.6		4.4		1.2
May Jun -4.8 Jun 2.5 Jun 1.8 Jun -0.4 Jun -0.4 Jun 6.6 Jun 0.9 Jun Jul Jun -3.2 Jun 1.7 Jun 2.0 Jun 4.4 Jun -1.4 Jun 8.3 Jun 2.8 Jun 6.6 Jun -2.4 Jun 6.1 Jun 2.0 Jun -2.4 Jun 6.1 Jun 2.0 Jun -2.4 Jun 6.7 Jun -1.0 Jun 6.7 Jun -1.4 Jun -2.4 Jun -2.4 Jun -2.2 J		Mar	-0.5	4.1	2.1	-4.0	3.4	3.7	-
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		Apr	-2.6	3.1	1.7	-4.3	2.3	5.9	0.5
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		May	-4.8	2.5	1.8	-0.4	-0.4	6.6	0.9
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 -0.9 -0.1 1.0 -0.8 -5			-3.2	1.7	2.0	4.4	-1.4	8.3	2.8
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	-2.9	2.3	2.8	6.6	-2.4	6.1	2.0
Oct Nov -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 -5.1 1.1 -2.9 -0.9		Aug	-2.5	3.0		6.7	-1.0	6.7	1.4
Nov Dec -7.4 bec 0.1 bec -2.4 bec -3.3 bec -4.9 bec 0.9 bec -2.9 bec 2024 Jan Peb Dec -4.9 bec 0.3 bec -1.9 bec -4.6 bec -6.9 bec 1.9 bec -1.7 2024 Jan Peb Dec -2.7 bec 1.7 bec -1.4 bec -4.3 bec -5.6 bec 2.9 bec -0.2 bec Feb Dec 0.6 bec 3.1 bec -3.1 bec -4.3 bec -4.1 bec 4.9 bec 0.2 bec -0.2 bec Mar Dec 1.8 bec 2.6 bec -2.5 bec -2.6 bec -2.0 bec -2.0 bec -3.6 bec 0.6 bec Apr Dec 1.3 bec 1.4 bec -2.6 bec -1.8 bec -1.6 bec 1.1 bec -0.9 bec May Dec -0.1 bec -0.1 bec -2.0 bec -2.0 bec -2.0 bec -3.1 bec -2.0 bec Jul -0.1 bec -0.1 bec -0.8 bec -5.1 bec 1.1 bec -2.9 bec -0.9 bec		Sep	-6.3	2.7	-2.2	3.3	-0.2	3.5	-1.4
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 -5.1 1.1 -2.9 -0.9		Oct	-6.6	1.5	-4.2	-0.3	-2.2	3.2	-2.6
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 -5.1 1.1 -2.9 -0.9		Nov	-7.4	0.1	-2.4	-3.3	-4.9	0.9	-2.9
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 -5.1 1.1 -2.9 -0.9		Dec	-4.9	0.3	-1.9	-4.6	-6.9	1.9	-1.7
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 -5.1 1.1 -2.9 -0.9	2024	Jan	-2.7	1.7	-1.4	-4.3	-5.6	2.9	-0.2
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 -5.1 1.1 -2.9 -0.9		Feb	0.6	3.1	-3.1	-4.3	-4.1	4.9	0.7
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 -5.1 1.1 -2.9 -0.9									
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Jun -0.6 0.1 -1.1 -4.2 1.0 -3.1 -2.0 Jul -0.1 1.0 -0.8 -5.1 1.1 -2.9 -0.9									
		Jul	-0.1	1.0	-0.8	-5.1	1.1	-2.9	-0.9
		Aug	0.8	2.9	0.8	-2.1	0.6	-0.6	-0.9

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

 $^{^\}dagger$ indicates that data are new or have been revised. The period marker is the earliest in the table to have been revised.



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