

Statistical bulletin

Index of Production, UK: July 2020

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.



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Release date:
11 September 2020

Next release:
9 October 2020

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1 . Main points

- In July 2020, the Index of Production (IoP) was 7.0% below February 2020, the previous month of "normal" trading conditions, prior to the coronavirus (COVID-19) pandemic.
- Production output rose by 5.2% between June and July 2020, with manufacturing providing the largest upward contribution, rising by 6.3%; there were also rises from electricity and gas (2.7%), water and waste (2.4%) and mining and quarrying (0.7%).
- The monthly increase of 6.3% in manufacturing output was led by transport equipment, which rose by 18.5%; all of the 13 subsectors displayed upward contributions.
- Total production output decreased by 3.5% for the three months to July 2020, compared with the three months to April 2020; this was led by manufacturing output, which fell by 4.4%.
- The three-monthly fall in manufacturing is because of widespread weakness, with 10 of the 13 subsectors providing downward contributions; this was led by transport equipment, which fell by 19.1%.
- For the three months to July 2020, compared with the three months to July 2019, production output decreased by 13.5%; this was led by a fall in manufacturing of 15.7%, where 12 of the 13 subsectors displayed downward contributions.
- The coronavirus continued to have a significant negative impact on our estimates of monthly, three-monthly and three-monthly on a year ago growth for production output during July 2020, resulting in significant falls for the latter two estimates; for further and detailed analysis of the effect on our monthly index of production estimate, please see our article [Coronavirus and the impact on output in the UK economy, UK: July 2020](#), published today (11 September 2020).

2 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 11 September 2020

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 September 2020

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 September 2020

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

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

Dataset | Released 11 September 2020

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

[Export proportions for manufacturing industries](#)

Dataset | Released 11 September 2020

Monthly, three-monthly and annual export data for the manufacturing industries, collected by the MBS at industry level in the UK.

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

3 . Measuring the data

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

The majority 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 Business, Energy and Industrial Strategy (BEIS) and the International Steel Statistics Bureau (ISSB) for steel industries.

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

A comprehensive list of the IoP source data can be found in the [Gross domestic product \(GDP\(O\)\) source catalogue \(XLS, 715KB\)](#).

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [UK IoP QMI](#).

After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK Gross National Income (a fundamental component of the national accounts, which includes gross domestic product (GDP)) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

Coronavirus (COVID-19)

The Office for National Statistics' (ONS) MBS is fully online, meaning that business owners can logon from any location and submit their data at an appropriate time. Most other data in the IoP come from the BEIS and therefore will be less impacted than survey data.

Our latest data and analysis on the impact of the coronavirus (COVID-19) on the UK economy and population is now available on a [new web page](#). This is the hub for all special coronavirus-related publications, including the fortnightly Business Impact of Coronavirus (COVID-19) Survey (BICS).

The ONS has released a [public statement](#) on COVID-19 and the production of statistics. Specific queries must be directed to the Media Relations Office.

Blue Book 2020

Each year, we produce an annual update to the UK National Accounts in the [Blue Book](#) and [Pink Book](#) and the associated releases. As already announced, the Blue Book and Pink Book 2020 consistent datasets will be published on 30 September 2020 as part of the [quarterly national accounts](#).

Details have already been provided on the scope in the article [Latest developments and changes to be implemented in Blue Book and Pink Book 2020](#). Indicative impacts on headline GDP components for the years 1997 to 2018 were published on 20 July 2020 in the article [Impact of Blue Book 2020 changes on current price and volume estimates of gross domestic product](#).

The next monthly publication on 9 October 2020 will incorporate revisions consistent with Blue Book 2020, where the reference year and last base year for all chained volume measure series will be updated to 2018.

4 . Related links

[Coronavirus and the impact on output in the UK economy: July 2020](#)

Article | Released 11 September 2020

Analysis of monthly growth for the production, services and construction industries in the UK economy between June and July 2020, highlighting the early impact from the coronavirus (COVID-19) pandemic.

[Comparison of motor vehicle manufacturing output statistics, UK: 1997 to 2019](#)

Article | Released 10 January 2020

A comparison of the methodologies used to estimate motor vehicle manufacturing outputs by the Office for National Statistics (ONS) and the Society of Motor Manufacturers and Traders (SMMT).

[Comparing ONS's economic data with IHS Markit and CIPS Purchasing Managers' Index surveys](#)

Article | Released 21 October 2019

The level of correlation between ONS data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' (CIPS') Indices.

[GDP monthly estimate, UK: July 2020](#)

Bulletin | Released 11 September 2020

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 and includes the Index of Production (IoP), Index of Services (IoS) and construction output in Great Britain.

[Producer price inflation, UK: July 2020](#)

Bulletin | Released 15 July 2020

The corresponding price indices used to deflate the IoP are published in the monthly publication of [UK producer price inflation](#).

[UK manufacturers' sales by product: 2019 results](#)

Bulletin | Released 1 July 2020

Product sales by manufacturers are published on an annual basis in [ProdCom statistical bulletins](#); estimates are in current prices, unlike the chained volume measures published in the IoP release.

[Energy Trends: June 2020](#)

Bulletin | Released 25 June 2020

The data published by the Department for Business, Energy and Industrial Strategy (BEIS) in [Energy Trends](#) are used to measure the mining and quarrying, electricity and gas, and manufacture of coke and refined petroleum products sectors within this release.

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IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2015	98.9	102.0	99.8	96.4	93.3	96.3	99.2	100.1	97.9	102.7	97.3
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.7	101.7	102.2	98.2	102.0	101.6	103.8	99.0	105.4	101.7	99.3
2018	102.5	107.1	103.1	96.7	102.5	109.2	115.6	100.4	107.7	100.7	100.0
2019	101.3	108.5	101.3	95.0	104.2	111.4	116.2	101.8	102.8	99.1	99.5
2019 Q2	101.1	108.2	101.0	95.9	104.4	111.1	116.3	101.0	102.3	99.3	99.8
Q3	100.8	109.8	100.7	93.6	105.0	112.7	115.2	101.5	102.5	98.0	98.8
Q4	100.2	107.4	99.7	96.5	105.2	110.0	115.7	100.2	101.0	97.4	100.3
2020 Q1	98.8	105.1	98.6	90.9	105.6	106.2	114.4	102.9	96.7	97.4	96.2
Q2	82.1	97.4	78.7	82.9	99.7	101.9	93.4	95.2	69.2	77.9	89.8
2019 May	101.5	108.6	101.3	95.9	105.3	111.5	118.3	100.1	103.9	99.2	100.2
Jun	101.4	108.0	101.2	96.3	105.0	110.8	115.8	100.7	104.0	98.8	99.8
Jul	101.2	107.3	101.4	94.9	104.2	109.7	115.6	103.2	102.7	98.3	99.0
Aug	100.5	107.6	100.6	93.1	105.3	109.5	115.0	100.6	102.9	97.9	98.1
Sep	100.5	114.6	100.1	92.7	105.5	119.0	114.9	100.7	101.9	97.9	99.4
Oct	100.9	106.8	100.7	96.3	104.7	108.8	118.0	101.1	102.8	98.0	100.0
Nov	100.0	108.8	99.1	97.6	105.2	111.6	115.3	100.3	100.1	96.8	101.2
Dec	99.8	106.5	99.2	95.7	105.6	109.6	113.7	99.3	100.2	97.6	99.9
2020 Jan	100.0	107.7	99.8	92.0	106.7	109.4	115.0	100.9	99.9	98.6	97.4
Feb	100.3	107.4	100.7	91.1	104.7	108.7	116.1	103.5	100.7	98.3	96.9
Mar	96.0	100.1	95.4	89.8	105.4	100.4	112.0	104.5	89.5	95.1	94.5
Apr	76.4	91.0	71.9	81.9	98.0	97.9	84.6	93.3	60.8	68.6	88.2
May	81.1	96.6	77.9	81.8	98.5	100.6	93.7	95.3	67.0	77.7	89.1
Jun	88.7	104.7	86.4	85.2	102.5	107.3	101.7	97.1	79.9	87.3	92.2
Jul	93.3	105.4	91.9	87.4	105.0	106.4	109.2	101.4	86.0	92.1	93.2
Percentage change, latest year on previous year											
2015	1.0	5.1	-0.1	2.2	4.6	7.5	-0.7	0.2	-1.6	0.7	3.7
2016	1.1	-2.0	0.2	3.7	7.1	3.8	0.8	-0.1	2.1	-2.6	2.8
2017	1.7	1.7	2.2	-1.8	2.0	1.6	3.8	-1.0	5.4	1.7	-0.7
2018	0.8	5.3	0.9	-1.6	0.5	7.6	11.4	1.4	2.2	-1.0	0.7
2019	-1.3	1.3	-1.7	-1.8	1.7	2.0	0.5	1.5	-4.5	-1.5	-0.5
Percentage change, latest month on same month a year ago											
2018 May	0.9	5.5	1.8	-8.0	1.5	7.5	16.1	1.9	4.7	-1.4	-3.8
Jun	1.8	1.3	2.2	-4.1	4.7	1.4	9.8	3.3	3.5	0.1	-2.1
Jul	1.9	7.9	1.8	-1.1	2.6	11.0	15.9	3.7	1.0	0.9	2.7
Aug	1.6	10.3	1.2	-1.7	3.5	13.2	11.7	1.1	2.4	0.2	2.3
Sep	-0.2	2.5	-0.1	-4.1	2.5	3.1	4.5	2.2	-1.5	-0.6	-1.2
Oct	-0.6	4.3	-1.2	-0.5	1.5	5.1	9.3	1.8	-2.5	-2.2	1.1
Nov	-0.8	-	-0.9	-2.6	1.3	0.8	10.6	1.7	-1.0	-3.3	-0.6
Dec	-1.1	23.2	-2.0	-6.0	1.1	35.1	6.5	1.7	-3.5	-3.6	2.0
2019 Jan	-0.2	0.8	-0.9	1.4	2.4	0.9	1.9	5.4	-5.8	-0.4	2.2
Feb	-0.3	5.2	0.2	-8.0	2.5	6.8	2.7	3.7	-4.1	1.7	-3.4
Mar	0.9	13.7	1.8	-10.8	1.4	17.7	2.3	8.3	-3.1	1.9	-3.2
Apr	-1.8	-0.1	-2.2	-3.3	2.4	-0.4	0.1	3.1	-8.4	0.2	-1.9
May	-0.4	2.0	-1.7	4.5	3.3	3.2	0.8	-0.4	-4.1	-0.6	3.8
Jun	-1.5	1.5	-2.5	2.2	0.4	3.4	-0.3	-2.2	-2.8	-2.3	1.4
Jul	-2.0	-3.4	-2.0	-2.4	-0.1	-3.7	-0.4	2.0	-4.1	-3.6	-2.8
Aug	-2.5	-4.0	-2.6	-4.0	1.3	-4.7	-0.7	0.5	-4.7	-3.2	-3.5
Sep	-1.9	6.1	-2.8	-2.3	1.2	8.4	1.5	0.1	-4.1	-3.7	0.1
Oct	-1.4	-4.1	-1.8	0.1	1.0	-5.1	2.0	0.1	-2.7	-2.7	-0.8
Nov	-2.1	0.8	-3.4	1.9	2.0	0.9	-1.7	-1.2	-5.5	-3.2	1.6
Dec	-1.8	-0.7	-2.8	1.2	2.6	-0.8	-2.4	-1.5	-4.6	-2.4	1.1
2020 Jan	-2.4	2.4	-3.3	-4.9	4.5	2.5	-1.4	-2.4	-4.5	-2.6	-2.4
Feb	-2.2	-0.4	-2.9	-2.2	2.5	-1.8	-1.2	0.4	-4.5	-3.9	-0.9
Mar	-7.5	-11.5	-9.1	-2.8	2.9	-15.0	-5.6	-2.5	-15.6	-6.6	-4.5
Apr	-24.0	-15.8	-28.4	-14.2	-4.7	-11.7	-26.3	-8.8	-38.6	-31.3	-11.3
May	-20.0	-11.1	-23.1	-14.7	-6.5	-9.7	-20.8	-4.8	-35.5	-21.7	-11.1
Jun	-12.5	-3.0	-14.6	-11.6	-2.3	-3.2	-12.1	-3.5	-23.3	-11.6	-7.7
Jul	-7.8	-1.8	-9.4	-7.8	0.7	-3.0	-5.6	-1.7	-16.2	-6.3	-5.9

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 2016 = 100

		Broad industry groups					Main industrial groupings					
Section		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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
Percentage change, latest month on previous month												
2018	May	-0.4	-1.6	0.4	-7.1	1.5	-3.1	2.3	1.3	-	0.2	-4.8
	Jun	1.0	-0.1	0.7	2.8	2.6	-0.8	-1.1	2.4	-1.1	1.3	2.0
	Jul	0.3	4.4	-0.3	3.1	-0.3	6.4	0.1	-1.8	-	0.8	3.5
	Aug	-0.2	0.9	-0.2	-0.2	-0.2	0.8	-0.3	-1.0	0.8	-0.7	-0.3
	Sep	-0.6	-3.6	-0.2	-2.2	0.2	-4.4	-2.3	0.5	-1.6	0.4	-2.3
	Oct	-0.1	3.1	-0.5	1.3	-0.5	4.3	2.2	0.4	-0.5	-1.0	1.5
	Nov	-0.2	-3.1	0.1	-0.5	-0.6	-3.5	1.4	0.5	0.3	-0.7	-1.1
	Dec	-0.5	-0.6	-0.5	-1.2	-0.3	-0.1	-0.6	-0.6	-0.9	-	-0.8
2019	Jan	0.9	-2.0	1.1	2.3	-0.7	-3.4	0.1	2.5	-0.3	1.3	1.0
	Feb	0.1	2.5	0.5	-3.7	-	3.8	0.7	-0.4	0.8	1.0	-2.0
	Mar	1.1	4.9	1.2	-0.8	0.4	6.7	1.0	4.0	0.5	-0.5	1.1
	Apr	-3.2	-4.4	-4.3	3.3	0.4	-6.1	-3.3	-4.5	-6.5	-1.9	0.6
	May	1.0	0.4	0.9	0.4	2.4	0.5	3.0	-2.1	4.8	-0.7	0.8
	Jun	-0.1	-0.5	-0.1	0.5	-0.4	-0.6	-2.2	0.6	0.2	-0.5	-0.4
	Jul	-0.1	-0.6	0.2	-1.5	-0.7	-1.0	-0.1	2.4	-1.3	-0.5	-0.8
	Aug	-0.7	0.2	-0.8	-1.9	1.1	-0.2	-0.6	-2.5	0.2	-0.3	-1.0
	Sep	-	6.5	-0.4	-0.4	0.1	8.7	-0.1	0.1	-1.0	-	1.4
	Oct	0.4	-6.8	0.6	3.9	-0.7	-8.6	2.7	0.4	0.9	-	0.6
	Nov	-0.9	1.9	-1.6	1.3	0.5	2.6	-2.3	-0.7	-2.6	-1.2	1.2
	Dec	-0.2	-2.1	0.1	-2.0	0.4	-1.8	-1.3	-1.0	0.1	0.9	-1.3
2020	Jan	0.2	1.1	0.6	-3.9	1.0	-0.2	1.2	1.6	-0.2	1.0	-2.5
	Feb	0.4	-0.2	0.9	-1.0	-1.9	-0.6	0.9	2.5	0.8	-0.3	-0.5
	Mar	-4.3	-6.9	-5.2	-1.4	0.7	-7.7	-3.5	1.0	-11.1	-3.3	-2.5
	Apr	-20.4	-9.1	-24.6	-8.8	-7.0	-2.4	-24.5	-10.7	-32.0	-27.8	-6.6
	May	6.2	6.1	8.3	-0.1	0.5	2.8	10.8	2.1	10.1	13.2	1.0
	Jun	9.3	8.4	11.0	4.1	4.1	6.6	8.5	1.9	19.2	12.4	3.5
	Jul	5.2	0.7	6.3	2.7	2.4	-0.8	7.3	4.4	7.7	5.5	1.2
Percentage change, latest 3 months on same 3 months a year ago²												
2018	May	1.6	4.1	1.8	1.2	-0.9	6.7	16.2	0.6	5.6	-1.2	1.7
	Jun	1.4	5.0	1.8	-3.5	2.0	7.2	13.4	1.6	4.6	-1.0	-0.9
	Jul	1.5	4.9	1.9	-4.4	2.9	6.6	13.8	3.0	3.0	-0.1	-1.1
	Aug	1.7	6.5	1.8	-2.3	3.6	8.5	12.4	2.7	2.3	0.4	0.9
	Sep	1.1	6.9	1.0	-2.3	2.9	9.0	10.5	2.3	0.6	0.2	1.3
	Oct	0.3	5.6	-	-2.1	2.5	7.0	8.4	1.7	-0.6	-0.9	0.7
	Nov	-0.5	2.3	-0.7	-2.4	1.8	3.0	8.1	1.9	-1.7	-2.0	-0.2
	Dec	-0.9	8.2	-1.4	-3.1	1.3	11.7	8.8	1.7	-2.4	-3.0	0.8
2019	Jan	-0.7	7.0	-1.3	-2.4	1.6	10.2	6.2	2.9	-3.5	-2.5	1.2
	Feb	-0.6	9.0	-0.9	-4.3	2.0	12.6	3.7	3.6	-4.5	-0.8	0.2
	Mar	0.1	6.5	0.4	-6.0	2.1	8.3	2.3	5.8	-4.3	1.1	-1.5
	Apr	-0.4	6.1	-0.1	-7.4	2.1	7.7	1.7	5.0	-5.2	1.3	-2.8
	May	-0.4	5.0	-0.7	-3.5	2.4	6.5	1.1	3.6	-5.2	0.5	-0.5
	Jun	-1.2	1.1	-2.1	1.0	2.0	2.1	0.2	0.1	-5.1	-0.9	1.0
	Jul	-1.3	-	-2.1	1.3	1.2	0.9	-	-0.2	-3.7	-2.2	0.7
	Aug	-2.0	-2.0	-2.4	-1.5	0.5	-1.8	-0.5	0.1	-3.9	-3.0	-1.7
	Sep	-2.1	-0.5	-2.5	-2.9	0.8	-0.1	0.1	0.9	-4.3	-3.5	-2.1
	Oct	-1.9	-0.8	-2.4	-2.1	1.1	-0.6	0.9	0.2	-3.8	-3.2	-1.4
	Nov	-1.8	0.9	-2.7	-0.1	1.4	1.3	0.6	-0.3	-4.1	-3.2	0.3
	Dec	-1.8	-1.4	-2.7	1.1	1.9	-1.7	-0.7	-0.9	-4.3	-2.8	0.6
2020	Jan	-2.1	0.8	-3.2	-0.6	3.0	0.8	-1.8	-1.7	-4.9	-2.7	0.1
	Feb	-2.2	0.4	-3.0	-2.0	3.2	-0.1	-1.7	-1.2	-4.6	-3.0	-0.7
	Mar	-4.1	-3.4	-5.1	-3.3	3.3	-5.1	-2.7	-1.5	-8.2	-4.4	-2.6
	Apr	-11.1	-9.3	-13.3	-6.5	0.2	-9.6	-10.9	-3.6	-19.2	-13.8	-5.6
	May	-17.1	-12.8	-20.0	-10.7	-2.8	-12.2	-17.5	-5.3	-29.7	-19.8	-9.0
	Jun	-18.8	-10.0	-22.0	-13.5	-4.5	-8.2	-19.7	-5.7	-32.3	-21.6	-10.0
	Jul	-13.5	-5.3	-15.7	-11.4	-2.7	-5.3	-12.9	-3.4	-25.0	-13.2	-8.2

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 2016 = 100

		Broad industry groups					Main industrial groupings						
Section		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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5	
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage change, latest 3 months on previous 3 months²													
2018	May	-0.5	6.9	-1.0	-1.1	0.8	9.8	2.9	0.7	-1.2	-2.1	1.5	
	Jun	-0.4	4.8	-0.4	-5.1	2.2	5.4	0.9	2.1	-2.1	-0.5	-1.5	
	Jul	-	4.4	0.3	-6.7	3.2	4.3	1.3	2.4	-1.6	0.9	-2.6	
	Aug	0.7	4.9	0.5	-1.8	3.1	5.1	-	1.9	-1.2	1.6	0.7	
	Sep	0.6	3.2	0.1	1.6	1.8	3.7	-0.8	-0.3	-0.7	1.4	2.2	
	Oct	-	2.3	-0.5	1.7	0.4	3.1	-1.4	-1.0	-0.8	0.2	1.6	
	Nov	-0.7	-0.7	-0.8	-0.6	-0.6	-0.3	-0.6	-0.4	-1.3	-0.6	-0.8	
	Dec	-0.9	-1.4	-0.8	-0.9	-0.9	-0.9	1.2	0.5	-1.4	-1.4	-1.2	
	2019	Jan	-0.6	-3.3	-0.3	-0.4	-1.2	-3.4	1.7	1.3	-1.3	-0.7	-1.1
		Feb	-0.1	-2.1	0.3	-0.8	-1.3	-2.1	1.4	1.4	-0.8	0.4	-1.1
		Mar	0.9	-0.1	1.5	-1.5	-1.0	-	1.0	3.4	-0.2	1.6	-0.9
		Apr	0.2	2.7	0.4	-2.1	-0.2	3.7	0.2	2.2	-1.6	0.9	-0.7
May		-0.3	3.0	-0.8	-0.2	1.2	3.8	0.3	0.8	-1.9	-0.9	0.7	
Jun		-1.8	-0.4	-2.9	1.9	2.1	-0.7	-1.1	-3.3	-2.9	-2.5	1.0	
Jul		-0.9	-1.6	-1.7	2.2	2.3	-2.3	-0.4	-2.7	-	-2.5	1.0	
Aug		-0.8	-2.1	-1.1	0.2	1.2	-3.1	-1.5	-1.6	0.2	-2.0	-0.5	
Sep		-0.3	1.5	-0.3	-2.4	0.6	1.5	-1.0	0.5	0.2	-1.2	-1.0	
Oct		-0.7	1.5	-0.8	-1.7	0.3	1.6	-0.5	-0.5	-1.0	-0.8	-0.6	
Nov		-0.6	2.2	-1.1	0.8	0.3	2.8	0.5	-0.8	-1.6	-0.8	1.2	
Dec		-0.5	-2.2	-1.0	3.2	0.2	-2.5	0.4	-1.2	-1.4	-0.6	1.5	
2020	Jan	-0.7	-1.8	-1.1	1.1	0.6	-2.0	-1.1	-0.6	-2.4	-0.3	0.3	
	Feb	-0.4	-2.6	-0.1	-2.8	0.5	-3.4	-0.9	0.5	-1.3	0.7	-2.1	
	Mar	-1.5	-2.1	-1.1	-5.8	0.4	-3.5	-1.1	2.7	-4.3	-0.1	-4.1	
	Apr	-9.0	-7.6	-10.1	-7.9	-3.0	-7.1	-9.1	0.2	-16.4	-10.6	-6.3	
	May	-15.5	-10.6	-18.2	-9.1	-4.8	-8.8	-15.8	-3.5	-27.7	-18.0	-7.6	
	Jun	-16.9	-7.3	-20.2	-8.8	-5.6	-4.0	-18.4	-7.5	-28.4	-20.0	-6.7	
	Jul	-3.5	2.8	-4.4	-3.2	-0.7	2.4	-2.6	-2.5	-7.2	-1.9	-1.8	

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 2016 = 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	119.1	22.9	54.0	8.1	47.0	55.1
	K22B	K22P	K22T	K22X	K22Z	K239
2015	100.8	102.3	101.5	101.4	106.6	95.5
2016	100.0	100.0	100.0	100.0	100.0	100.0
2017	99.7	100.1	101.1	101.4	102.6	98.2
2018	101.4	96.9	100.7	97.6	104.9	100.9
2019	102.6	95.9	99.8	100.4	101.9	104.2
2019 Q2	101.8	95.8	100.3	99.2	102.1	102.6
Q3	102.1	96.2	99.1	96.7	98.7	104.0
Q4	102.1	94.5	97.3	102.0	98.2	101.0
2020 Q1	101.8	86.4	96.7	97.8	102.4	113.6
Q2	92.0	54.9	77.4	71.2	94.6	123.8
2019 May	101.9	95.1	98.8	102.6	103.2	99.5
Jun	100.0	94.1	99.4	94.1	101.3	105.6
Jul	101.1	96.5	98.3	101.0	99.0	112.7
Aug	102.4	94.9	99.7	97.3	98.3	100.8
Sep	102.9	97.3	99.2	91.8	98.9	98.6
Oct	103.3	97.0	98.9	101.9	99.9	101.1
Nov	102.1	94.2	96.7	99.8	95.3	102.5
Dec	100.9	92.4	96.2	104.3	99.2	99.4
2020 Jan	101.3	90.1	97.7	100.6	102.7	105.4
Feb	102.3	92.0	96.5	100.5	100.4	112.9
Mar	102.0	77.2	95.8	92.5	104.2	122.5
Apr	89.5	38.4	70.0	69.5	94.5	126.2
May	91.6	56.1	76.6	68.5	95.3	123.9
Jun	94.9	70.2	85.5	75.6	94.1	121.2
Jul	98.5	84.2	92.3	76.8	98.9	124.2
Percentage change, latest year on previous year						
2015	-0.2	-2.2	0.7	2.4	5.1	0.6
2016	-0.8	-2.3	-1.4	-1.3	-6.2	4.7
2017	-0.3	0.1	1.1	1.4	2.6	-1.8
2018	1.7	-3.2	-0.4	-3.8	2.3	2.7
2019	1.2	-1.1	-0.9	2.9	-2.9	3.3
Percentage change, latest month on same month a year ago						
2018 May	3.3	-2.4	0.5	-9.5	1.2	0.8
Jun	2.2	-0.5	0.6	-5.7	2.5	6.4
Jul	4.4	0.7	3.8	3.6	4.3	0.5
Aug	4.3	-3.3	-1.7	1.0	-0.3	-0.6
Sep	3.3	-5.4	-0.2	0.5	4.3	3.5
Oct	3.0	-6.0	-1.3	-2.4	3.9	2.7
Nov	1.5	-6.2	0.8	1.0	3.5	3.1
Dec	2.8	-7.3	-1.9	0.9	6.4	2.7
2019 Jan	4.7	-2.5	0.4	12.0	6.2	9.2
Feb	4.3	0.3	1.7	16.4	5.0	5.4
Mar	5.8	1.1	5.5	7.1	5.1	16.2
Apr	3.3	0.6	3.4	3.6	-0.3	3.4
May	0.3	-2.7	-2.4	8.1	-0.6	-0.8
Jun	-2.4	-3.9	-1.6	-4.8	-3.8	-1.1
Jul	-2.5	-3.1	-4.3	2.6	-7.1	17.3
Aug	-0.7	-3.3	0.6	-6.3	-4.5	1.9
Sep	1.1	1.6	-1.9	-10.7	-9.0	-2.9
Oct	1.0	3.3	-1.8	2.7	-6.0	-2.3
Nov	0.6	-1.2	-5.9	1.4	-10.4	-2.3
Dec	-0.8	-2.6	-3.9	5.4	-8.3	-3.1
2020 Jan	-2.3	-6.0	-2.9	-3.4	-5.5	-2.5
Feb	-1.5	-4.1	-5.6	-4.5	-7.9	7.0
Mar	-3.6	-22.2	-8.9	-8.8	-3.6	7.8
Apr	-13.5	-60.9	-31.7	-31.1	-7.3	22.9
May	-10.1	-41.0	-22.5	-33.2	-7.6	24.5
Jun	-5.1	-25.4	-14.0	-19.7	-7.1	14.8
Jul	-2.5	-12.8	-6.1	-23.9	-0.1	10.2

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

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

IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	56.4	82.3	51.6	19.4	58.1	108.5	66.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2015	98.1	102.9	100.1	104.2	100.6	96.2	95.7
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	99.6	101.4	104.9	102.7	107.2	103.1	106.7
2018	97.5	99.8	119.9	96.6	110.3	101.8	105.0
2019	94.1	99.4	119.8	98.4	103.2	95.9	101.7
2019 Q2	94.5	99.1	119.8	100.1	104.2	92.7	104.0
Q3	92.8	99.0	118.4	97.8	101.8	97.3	100.6
Q4	93.0	97.8	119.2	96.9	100.0	95.1	99.5
2020 Q1	93.7	97.0	119.4	94.0	91.3	88.3	98.2
Q2	67.4	75.7	108.2	75.6	64.9	44.9	75.4
2019 May	94.1	100.0	121.9	99.5	103.9	95.3	104.4
Jun	94.3	98.2	120.0	100.2	104.0	98.7	101.4
Jul	93.5	99.7	119.0	99.0	102.1	97.3	100.1
Aug	92.4	98.7	117.9	97.0	102.3	98.0	101.3
Sep	92.5	98.5	118.2	97.4	100.9	96.5	100.4
Oct	92.6	97.2	122.1	97.1	101.4	97.2	99.6
Nov	92.2	97.4	118.5	96.1	100.0	93.0	100.0
Dec	94.3	98.8	116.9	97.6	98.6	95.1	98.7
2020 Jan	95.5	98.6	118.5	95.4	95.9	94.3	99.5
Feb	95.6	99.1	119.9	95.9	94.8	95.5	100.4
Mar	90.1	93.3	119.9	90.8	83.1	75.0	94.8
Apr	52.1	68.0	101.1	67.1	52.7	36.9	67.2
May	69.2	74.6	108.2	75.6	64.7	38.7	76.5
Jun	80.8	84.7	115.3	84.0	77.2	59.1	82.6
Jul	85.9	85.6	118.2	90.8	79.7	70.0	91.5
Percentage change, latest year on previous year							
2015	1.5	-0.4	-2.2	0.3	-12.8	6.2	-0.9
2016	1.9	-2.8	-0.1	-4.1	-0.6	4.0	4.5
2017	-0.4	1.4	4.9	2.7	7.2	3.1	6.7
2018	-2.1	-1.6	14.3	-5.9	2.9	-1.3	-1.6
2019	-3.5	-0.4	-0.1	1.8	-6.4	-5.8	-3.1
Percentage change, latest month on same month a year ago							
2018 May	-2.4	-3.1	20.3	-3.4	3.2	0.1	2.2
Jun	2.1	-0.7	11.3	-11.9	7.5	2.9	-3.0
Jul	0.8	1.6	19.4	-9.4	2.0	-4.8	-2.6
Aug	-1.0	0.1	15.9	-4.0	2.1	-0.5	-2.6
Sep	-1.5	-1.3	4.7	-9.4	-2.9	-0.8	-4.8
Oct	-2.2	-6.0	10.9	-5.5	-3.1	-9.2	0.4
Nov	-3.4	-8.1	12.3	-5.3	-4.0	-3.7	-2.2
Dec	-3.9	-9.7	8.3	-7.4	-5.9	-4.2	-6.9
2019 Jan	-2.9	-0.8	2.3	-1.7	-9.2	-8.1	-5.7
Feb	-0.1	-0.4	3.1	1.4	-3.9	-7.4	-3.2
Mar	1.2	-1.0	2.0	3.0	-7.0	-3.4	-1.8
Apr	0.4	-2.1	-0.9	4.5	-7.2	-17.7	1.0
May	-3.9	3.0	-0.3	2.8	-5.3	-7.0	-0.9
Jun	-5.8	-2.0	-0.1	8.2	-5.2	-2.6	-2.7
Jul	-5.9	-1.0	-1.2	3.2	-5.9	-3.9	-4.5
Aug	-6.0	-1.9	-2.6	1.3	-6.3	-4.4	-3.0
Sep	-5.8	-1.6	1.5	2.4	-6.1	-5.1	-3.7
Oct	-5.3	-0.5	1.9	-1.1	-5.6	-1.1	-5.2
Nov	-5.5	1.9	-2.5	-1.7	-7.4	-5.1	-5.0
Dec	-1.5	1.8	-3.6	-0.1	-8.1	-3.4	-3.0
2020 Jan	-0.4	-2.3	-1.8	-3.5	-10.3	-3.4	-1.7
Feb	-0.4	-3.5	-1.7	-3.3	-11.5	-2.9	-2.1
Mar	-7.0	-7.9	-2.4	-7.0	-22.0	-24.5	-8.7
Apr	-45.2	-31.3	-14.1	-33.4	-49.7	-56.2	-36.7
May	-26.5	-25.4	-11.2	-24.0	-37.7	-59.4	-26.7
Jun	-14.3	-13.8	-3.9	-16.1	-25.8	-40.2	-18.6
Jul	-8.2	-14.1	-0.7	-8.3	-22.0	-28.1	-8.6

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 2016 = 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	119.1	22.9	54.0	8.1	47.0	55.1	
	K22B	K22P	K22T	K22X	K22Z	K239	
Percentage change, latest month on previous month							
2018	May	1.4	0.1	2.1	-2.6	1.7	1.0
	Jun	0.7	0.2	-0.3	4.1	1.4	6.5
	Jul	1.2	1.7	1.7	-0.4	1.2	-10.0
	Aug	-0.5	-1.5	-3.6	5.6	-3.5	3.0
	Sep	-1.3	-2.4	2.0	-1.1	5.7	2.6
	Oct	0.6	-2.0	-0.4	-3.4	-2.3	2.0
	Nov	-0.9	1.6	2.0	-0.8	0.1	1.3
	Dec	0.4	-0.6	-2.5	0.5	1.7	-2.3
2019	Jan	1.8	1.1	0.5	5.3	0.4	5.5
	Feb	0.2	-	1.6	1.0	0.4	-2.4
	Mar	1.8	3.5	2.9	-3.7	-1.0	7.7
	Apr	-2.1	-1.1	-2.5	-0.5	-5.7	-9.6
	May	-1.5	-3.2	-3.6	1.7	1.3	-3.2
	Jun	-1.9	-1.1	0.6	-8.3	-1.9	6.2
	Jul	1.1	2.6	-1.1	7.4	-2.2	6.7
	Aug	1.3	-1.7	1.5	-3.7	-0.8	-10.6
	Sep	0.5	2.5	-0.5	-5.7	0.7	-2.2
	Oct	0.4	-0.3	-0.3	11.1	1.0	2.6
	Nov	-1.2	-2.8	-2.2	-2.1	-4.6	1.3
	Dec	-1.1	-1.9	-0.5	4.5	4.0	-3.1
2020	Jan	0.3	-2.5	1.5	-3.6	3.5	6.1
	Feb	1.0	2.1	-1.2	-0.1	-2.2	7.1
	Mar	-0.3	-16.1	-0.8	-8.0	3.7	8.5
	Apr	-12.3	-50.2	-26.9	-24.8	-9.3	3.0
	May	2.4	45.9	9.4	-1.5	0.9	-1.9
	Jun	3.6	25.1	11.6	10.3	-1.3	-2.1
	Jul	3.9	20.0	8.0	1.7	5.1	2.5
Percentage change, latest 3 months on same 3 months a year ago							
2018	May	0.5	-2.3	-1.4	-8.1	0.2	2.3
	Jun	1.5	-1.6	-0.3	-7.2	0.8	2.9
	Jul	3.3	-0.7	1.6	-4.1	2.6	2.6
	Aug	3.6	-1.1	0.9	-0.5	2.1	2.1
	Sep	4.0	-2.7	0.6	1.6	2.7	1.2
	Oct	3.5	-4.9	-1.1	-0.3	2.6	1.9
	Nov	2.6	-5.9	-0.2	-0.3	3.9	3.1
	Dec	2.5	-6.5	-0.8	-0.2	4.6	2.8
2019	Jan	3.0	-5.4	-0.2	4.5	5.4	5.0
	Feb	4.0	-3.2	0.1	9.6	5.9	5.7
	Mar	4.9	-0.4	2.5	11.8	5.4	10.2
	Apr	4.5	0.7	3.5	8.9	3.3	8.3
	May	3.1	-0.3	2.1	6.2	1.4	6.2
	Jun	0.4	-2.0	-0.3	2.2	-1.6	0.5
	Jul	-1.5	-3.2	-2.8	1.9	-3.9	4.8
	Aug	-1.8	-3.4	-1.8	-2.9	-5.1	5.7
	Sep	-0.7	-1.6	-1.9	-4.9	-6.9	5.3
	Oct	0.5	0.5	-1.0	-4.9	-6.5	-1.1
	Nov	0.9	1.2	-3.2	-2.3	-8.5	-2.5
	Dec	0.3	-0.2	-3.9	3.2	-8.2	-2.6
2020	Jan	-0.8	-3.3	-4.3	1.1	-8.1	-2.6
	Feb	-1.5	-4.2	-4.2	-1.0	-7.2	0.5
	Mar	-2.4	-10.9	-5.9	-5.6	-5.7	4.1
	Apr	-6.2	-29.2	-15.4	-14.7	-6.2	12.4
	May	-9.0	-41.3	-20.9	-24.4	-6.1	18.0
	Jun	-9.6	-42.7	-22.8	-28.2	-7.4	20.6
	Jul	-5.9	-26.3	-14.2	-25.8	-5.0	16.2

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

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

IOP5 Output of the Production Industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2016 = 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	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
Percentage change, latest month on previous month								
2018	May	3.3	-4.1	3.0	0.4	-2.7	-	0.2
	Jun	2.1	3.3	-1.8	-4.4	-	-1.1	-1.1
	Jul	-0.6	0.5	0.3	3.6	-1.1	-	0.6
	Aug	-1.2	-0.1	0.6	-0.2	0.5	1.2	-0.3
	Sep	-	-0.4	-3.9	-0.6	-1.5	-0.8	-0.2
	Oct	-0.5	-2.5	3.0	3.2	-0.1	-3.5	0.8
	Nov	-0.2	-2.1	1.5	-0.5	0.6	-0.1	0.2
	Dec	-1.9	1.6	-0.3	-	-0.6	0.4	-3.3
2019	Jan	0.2	3.9	-0.4	1.2	-0.4	-0.9	-0.5
	Feb	0.1	1.8	1.0	0.3	0.1	0.8	1.2
	Mar	0.9	-1.4	0.7	-1.5	-0.5	0.9	1.3
	Apr	-1.7	-2.3	-4.2	3.1	-1.7	-15.2	2.2
	May	-1.1	0.9	3.6	-1.2	-0.8	13.2	-1.7
	Jun	0.1	-1.7	-1.6	0.6	0.1	3.6	-2.8
	Jul	-0.8	1.5	-0.8	-1.1	-1.8	-1.4	-1.3
	Aug	-1.2	-1.0	-0.9	-2.0	0.2	0.7	1.2
	Sep	0.1	-0.1	0.2	0.4	-1.4	-1.5	-0.9
	Oct	0.1	-1.4	3.4	-0.4	0.5	0.6	-0.8
	Nov	-0.4	0.2	-2.9	-1.0	-1.4	-4.3	0.4
	Dec	2.2	1.5	-1.4	1.6	-1.4	2.2	-1.3
2020	Jan	1.3	-0.3	1.4	-2.3	-2.7	-0.8	0.8
	Feb	0.1	0.5	1.1	0.5	-1.2	1.3	0.8
	Mar	-5.7	-5.8	-	-5.2	-12.3	-21.5	-5.5
	Apr	-42.1	-27.1	-15.7	-26.1	-36.6	-50.8	-29.1
	May	32.6	9.7	7.0	12.7	23.0	4.9	13.8
	Jun	16.8	13.5	6.6	11.0	19.2	52.6	8.0
	Jul	6.4	1.1	2.5	8.1	3.2	18.5	10.7
Percentage change, latest 3 months on same 3 months a year ago								
2018	May	-4.1	0.8	20.8	-4.0	8.0	-0.1	1.1
	Jun	-1.9	-0.7	16.6	-7.0	7.1	0.5	0.7
	Jul	0.2	-0.8	16.9	-8.3	4.2	-0.7	-1.2
	Aug	0.6	0.3	15.4	-8.5	3.8	-0.9	-2.7
	Sep	-0.6	0.1	13.1	-7.7	0.3	-2.1	-3.4
	Oct	-1.5	-2.5	10.4	-6.4	-1.3	-3.6	-2.4
	Nov	-2.4	-5.2	9.3	-6.8	-3.3	-4.7	-2.3
	Dec	-3.1	-8.0	10.5	-6.1	-4.3	-5.8	-3.0
2019	Jan	-3.4	-6.3	7.5	-4.8	-6.4	-5.4	-4.9
	Feb	-2.3	-3.8	4.5	-2.7	-6.4	-6.6	-5.3
	Mar	-0.6	-0.7	2.5	0.8	-6.7	-6.3	-3.6
	Apr	0.5	-1.2	1.4	3.0	-6.0	-9.5	-1.4
	May	-0.8	-0.1	0.3	3.4	-6.5	-9.4	-0.6
	Jun	-3.2	-0.4	-0.4	5.1	-5.9	-9.1	-0.9
	Jul	-5.2	-	-0.5	4.7	-5.5	-4.5	-2.7
	Aug	-5.9	-1.6	-1.3	4.2	-5.8	-3.6	-3.4
	Sep	-5.9	-1.5	-0.8	2.3	-6.1	-4.5	-3.7
	Oct	-5.7	-1.3	0.2	0.8	-6.0	-3.5	-4.0
	Nov	-5.5	-0.1	0.3	-0.2	-6.4	-3.8	-4.6
	Dec	-4.1	1.1	-1.4	-1.0	-7.0	-3.2	-4.4
2020	Jan	-2.5	0.4	-2.7	-1.8	-8.6	-4.0	-3.3
	Feb	-0.8	-1.4	-2.4	-2.3	-10.0	-3.2	-2.3
	Mar	-2.6	-4.6	-2.0	-4.6	-14.6	-10.3	-4.2
	Apr	-17.4	-14.1	-6.0	-14.7	-27.6	-26.4	-16.0
	May	-26.1	-21.5	-9.2	-21.6	-36.4	-46.0	-24.1
	Jun	-28.8	-23.5	-9.7	-24.5	-37.7	-51.6	-27.5
	Jul	-16.4	-17.8	-5.3	-16.1	-28.5	-42.4	-18.1

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 2016 = 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	119.1	22.9	54.0	8.1	47.0	55.1	
	K22B	K22P	K22T	K22X	K22Z	K239	
Percentage change, latest 3 months on previous 3 months							
2018	May	1.4	-0.9	-0.9	2.0	0.3	-0.5
	Jun	1.9	0.4	0.4	4.7	0.8	3.2
	Jul	2.7	1.3	1.9	3.4	2.2	2.0
	Aug	2.4	0.7	0.9	4.9	1.9	1.5
	Sep	1.4	-	0.4	4.8	2.2	-3.2
	Oct	-0.2	-2.5	-1.4	4.7	0.7	0.3
	Nov	-1.2	-3.6	0.6	-0.2	2.1	2.7
	Dec	-1.0	-3.2	0.2	-2.8	0.8	4.9
2019	Jan	-0.1	-0.5	0.9	-1.4	1.7	3.8
	Feb	1.2	0.6	-0.5	2.6	1.4	2.0
	Mar	2.5	2.5	1.5	4.8	1.5	5.3
	Apr	2.0	2.6	2.1	2.0	-1.3	2.0
	May	0.6	2.1	1.2	-1.1	-3.9	-0.1
	Jun	-2.5	-1.3	-2.4	-4.3	-5.9	-6.0
	Jul	-3.2	-2.6	-4.3	-3.2	-4.8	-1.3
	Aug	-2.5	-2.5	-3.0	-4.1	-4.7	1.0
	Sep	0.4	0.4	-1.2	-2.5	-3.3	1.4
	Oct	1.9	1.2	0.5	-2.2	-2.1	-5.4
	Nov	1.6	1.0	-0.9	0.4	-1.5	-5.3
	Dec	-	-1.8	-1.8	5.5	-0.6	-2.9
2020	Jan	-1.4	-4.3	-2.4	4.7	-	2.2
	Feb	-1.2	-4.8	-1.5	4.0	2.7	5.1
	Mar	-0.3	-8.5	-0.6	-4.1	4.3	12.5
	Apr	-3.5	-24.9	-9.7	-13.9	0.6	17.7
	May	-7.1	-37.4	-16.5	-24.5	-2.8	17.3
	Jun	-9.7	-36.5	-19.9	-27.2	-7.6	8.9
	Jul	-3.0	1.3	-3.0	-15.8	-3.6	2.1

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IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2016 = 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	56.4	82.3	51.6	19.4	58.1	108.5	66.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

Percentage change, latest 3 months on previous 3 months

2018	May	-2.0	-3.8	3.7	-5.2	-1.8	-2.4	-2.0	
	Jun	0.8	-2.9	1.2	-2.5	-3.3	-2.9	-1.3	
	Jul	3.8	-2.8	1.5	-1.3	-3.2	-2.1	-0.8	
	Aug	3.2	0.3	0.1	-1.3	-2.8	-0.8	-0.9	
	Sep	1.0	1.0	-0.9	0.4	-2.1	-0.2	-0.4	
	Oct	-1.1	0.1	-1.5	1.3	-1.2	-0.9	-0.2	
	Nov	-1.4	-2.7	-1.0	2.4	-1.4	-2.4	0.3	
	Dec	-1.7	-3.7	1.3	2.3	-0.8	-3.6	-0.5	
	2019	Jan	-1.8	-1.6	1.8	1.8	-0.5	-2.8	-1.8
		Feb	-2.1	2.5	1.7	1.6	-0.5	-1.2	-2.9
		Mar	-0.8	5.1	0.8	0.7	-0.7	0.2	-1.4
		Apr	-0.4	3.2	-0.3	1.1	-1.3	-4.1	1.4
May		-0.5	-0.2	-0.5	0.7	-2.0	-5.3	2.9	
Jun		-1.7	-2.6	-1.7	1.6	-2.5	-5.8	1.4	
Jul		-2.1	-1.7	-0.4	0.4	-2.6	3.3	-2.1	
Aug		-2.1	-1.2	-1.5	-0.6	-2.1	5.5	-3.7	
Sep		-1.8	-0.1	-1.2	-2.3	-2.3	4.9	-3.2	
Oct		-1.6	-1.2	-0.7	-2.4	-1.7	0.1	-1.5	
Nov		-1.0	-1.2	0.5	-1.9	-2.0	-2.5	-0.9	
Dec		0.2	-1.2	0.7	-0.9	-1.7	-2.3	-1.2	
2020	Jan	1.6	0.1	-1.2	-0.9	-3.3	-3.2	-1.0	
	Feb	2.9	1.2	-1.0	-0.6	-4.3	-0.6	-0.5	
	Mar	0.7	-0.8	0.2	-3.0	-8.7	-7.2	-1.2	
	Apr	-15.7	-11.7	-3.7	-12.2	-21.7	-26.6	-12.0	
	May	-25.9	-20.5	-7.3	-19.1	-30.7	-47.1	-20.1	
	Jun	-28.1	-21.9	-9.4	-19.6	-28.9	-49.1	-23.2	
	Jul	-0.8	-6.0	0.2	-1.3	-3.9	-19.1	-4.5	

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Next publication: 9th October 2020
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