

Index of Production

May 2009



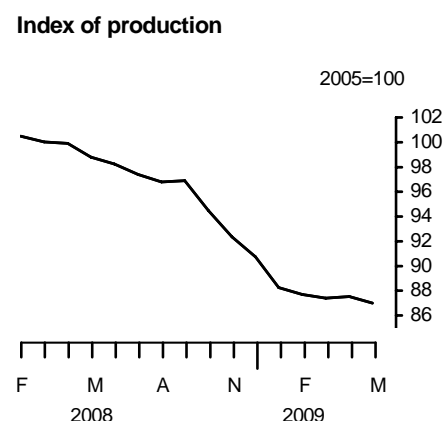
Date: 07 July 2009

Coverage: United Kingdom Theme: The Economy

In the three months to May 2009, the seasonally adjusted chained volume index for the output of the production industries decreased by 1.8 per cent compared with the previous three months and was 12.3 per cent lower than the same three month period a year earlier.

In the latest three months, manufacturing output decreased by 1.2 per cent, mining and quarrying output decreased by 2.7 per cent and output of the electricity, gas and water supply industries decreased by 5.5 per cent, compared with the previous three months.

Between April and May, output of the manufacturing industries fell by 0.5 per cent (note that monthly growth rates are volatile, see background note 2). The most significant decreases in output were 2.0 per cent in the paper, printing and publishing industries and 1.7 per cent in the machinery and equipment industries. The most significant increase in output was 3.7 per cent in the other manufacturing industries.

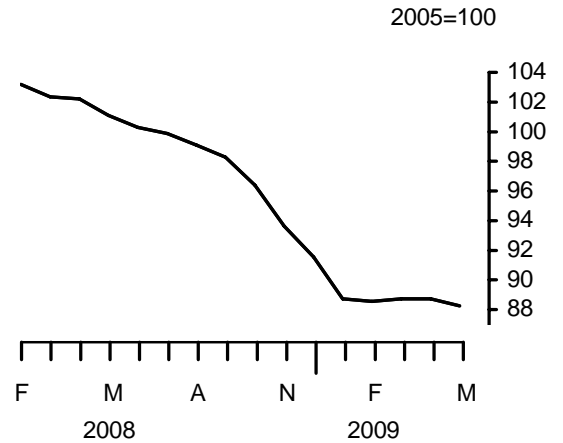


		Production	Mining and quarrying	Manufacturing	Electricity gas and water	
2005 weights		1000.0	142.8	770.4	86.8	
Production index level		Percentage change: latest three months on previous three months				
2008	Dec	90.7	-4.7	-2.7	-5.3	-1.9
2009	Jan	88.3	-5.8	-3.1	-6.7	-1.6
	Feb	87.7	-6.0	-4.2	-6.7	-2.0
	Mar	87.4	-5.1	-3.6	-5.5	-3.7
	Apr	87.5	-3.2	-3.4	-2.9	-5.7
	May	87.0	-1.8	-2.7	-1.2	-5.5

Manufacturing

Manufacturing output in the latest three months fell by 1.2 per cent compared with the previous three months. The most significant falls were 4.6 per cent in the basic metals and metal products industries, 5.0 per cent in the machinery and equipment industries and 3.2 per cent in the transport equipment industries. The most significant rises were 2.2 per cent in the chemical and man-made fibres industries, 1.4 per cent in the paper, printing and publishing industries and 1.1 per cent in the food, drink and tobacco industries.

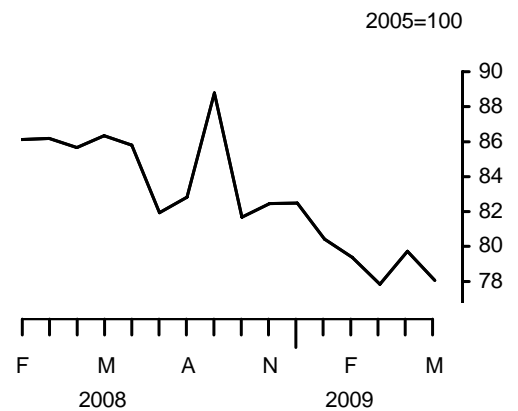
Manufacturing



Mining & Quarrying

In the latest three months, mining and quarrying output fell by 2.7 per cent compared with the previous three months and was 8.7 per cent lower than the same period a year ago. Between April and May, mining and quarrying output decreased by 2.1 per cent with a fall in oil and gas production.

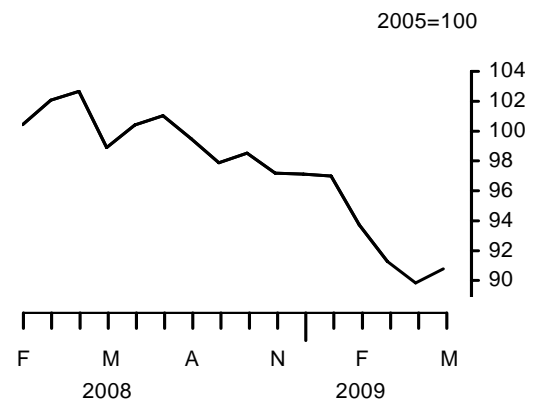
Mining & quarrying



Electricity, gas & water supply

Output of the electricity, gas and water supply industries in the latest three months fell by 5.5 per cent compared with the previous three months. Between April and May, the output of the energy supply industries rose by 1.0 per cent. In the latest three months, output in this sector was 10.5 per cent lower compared with the same period a year ago.

Electricity, gas & water



Market Sectors

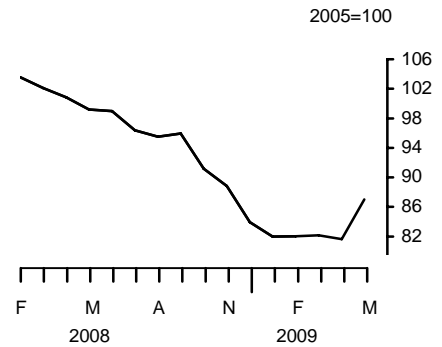
In the latest three months, output of the consumer durable goods industries rose by 1.2 per cent compared with the previous three months and was 17.0 per cent lower than the same period a year ago. During the latest month, output increased by 6.6 per cent.

Output of the consumer non-durable goods industries rose by 1.7 per cent in the latest three months compared with the previous three months and was 2.8 per cent lower than the same period a year ago. During the latest month, output decreased by 0.9 per cent.

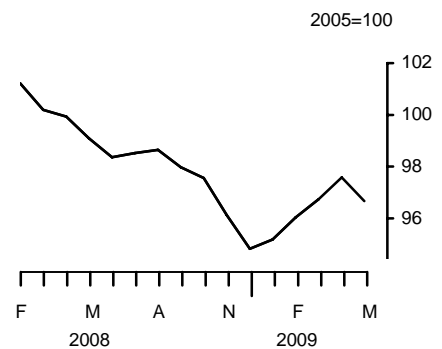
In the latest three months, output of the capital goods industries fell by 3.4 per cent compared with the previous three months and was 17.8 per cent lower than the same period a year ago. During the latest month, output decreased by 0.6 per cent.

Output of the intermediate goods and energy industries fell by 3.3 per cent in the latest three months compared with the previous three months and was 14.6 per cent lower than the same period a year ago. During the latest month, output decreased by 0.9 per cent.

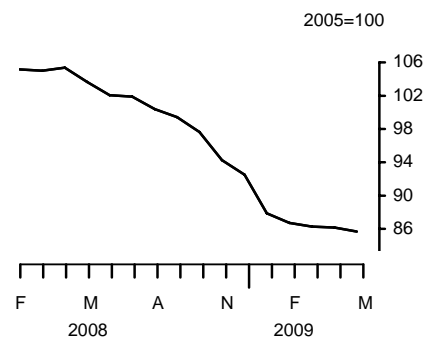
Consumer durables



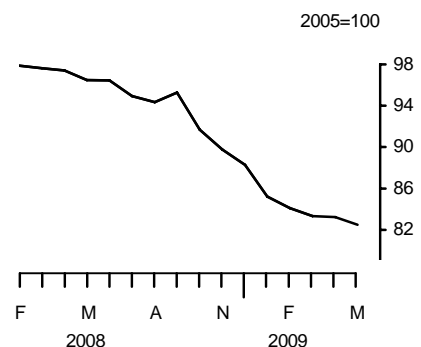
Consumer non-durables



Capital goods



Intermediate goods and energy



Revisions

This bulletin conforms to the standard revisions policy for National Accounts. In this bulletin the earliest period open for revision is January 2004 only. As announced in the previous IoP bulletin, this bulletin contains data consistent with the National Accounts Bluebook Dataset that was published on 30 June 2009.

Since last month, a number of late responses have been received to the Monthly Production Inquiry. The impact of these late data together with:

- i) the annual update of the weights used to construct the chained volume measures of output (all aggregate series for periods from 2005 onwards will be based on new 2005 industry weights)
- ii) the annual update of seasonal adjustment models
- iii) the annual reconciliation of the Monthly Production Inquiry survey data (on which the manufacturing component of the IoP is largely based) with the Annual Business Inquiry. The published indices have also been re-referenced so that 2005=100

will be to revise the previously published data. Table IOP5R shows the revisions for the estimates previously published on 10 June 2009.

Background Notes

Index

1. This Statistical Bulletin gives details of the index of output of the production industries in the United Kingdom. Index numbers of output in this Statistical Bulletin are on the base 2005=100 and are classified to the 2003 revision to the Standard Industrial Classification (SIC). The production industries, which accounted for 17.2 per cent of gross domestic product in 2005, cover mining and quarrying (Section C), manufacturing (Section D) and electricity, gas and water supply (Section E).

Interpreting the data

2. The monthly IoP data can be volatile. When looking at growth rates, it is recommended that users focus on the percentage change between the latest three months and the previous three months

Status of figures and planned future revisions

3. Figures for the most recent months are provisional and subject to revision in light of (a) late responses to the Monthly Production Inquiry and (b) revisions to seasonal adjustment factors which are re-estimated every period.

In the next bulletin, which will contain figures for June 2009 and will be published on 5 August 2009, the period open for revision according to the National Accounts policy will be from April 2009 only.

As stated in the previous release and noted in the revisions section of this release, data back to January 2004 have been revised and are consistent with the National Accounts BlueBook data released on 30 June 2009. These revisions arose, in part, from the annual update of the weights used to construct the chained volume measures of output. All aggregate series produced from 2005 onwards will be based on the new weights.

Additionally, the models used for seasonal adjustment have been reviewed and updated. There are some small revisions following the annual reconciliation of the Monthly Production Inquiry with the Annual Business Inquiry, and the published indices have also been re-referenced to 2005=100. Table IOP5R shows the revisions to growth rates in Production and Manufacturing since the April Statistical Bulletin.

Basic quality information for the IoP Statistical Bulletin

Summary quality report

4. A Summary Quality Report for this Statistical Bulletin can now be found on the National Statistics website at:
<http://www.statistics.gov.uk/CCI/article.asp?ID=1846>
5. The 2005 median annual growth of MPI turnover, their associated standard errors and quality bands can now be found on the National Statistics website at:

<http://www.statistics.gov.uk/statbase/Product.asp?vlnk=6230>

Key quality issues

6. Common pitfalls in interpreting series: Expectations of accuracy and reliability in early estimates are often too high. Revisions are an inevitable consequence of the trade off between timeliness and accuracy. Early estimates are based on incomplete data.

Very few statistical revisions arise as a result of 'errors' in the popular sense of the word. All estimates, by definition, are subject to statistical 'error' but in this context the word refers to the uncertainty inherent in any process or calculation that uses sampling, estimation or modelling. Most revisions reflect either the adoption of new statistical techniques, or the incorporation of new information which allows the statistical error of previous estimates to be reduced. Only rarely are there avoidable 'errors' such as human or system failures, and such mistakes are made quite clear when they do occur.

Reliability

7. One indication of the reliability of the key indicators in this release can be obtained by monitoring the size of revisions. The table below is based on the revisions which have occurred over the last five years. Please note that these indicators only report summary measures for revisions. The revised data may, themselves, be subject to sampling or other sources of error.

The table below presents a summary of the differences between the first estimates published between June 2003 and May 2008 and the estimates published 12 months later.

	Value in latest period (per cent)	Revisions between first publication and estimates twelve months later (% points)	
		Average over the last five years	Average over the last five years without regard to sign (average absolute revision)
Production output – 3 month on 3 month growth rate	-1.8	0.09	0.27
Manufacturing output – 3 month on 3 month growth rate	-1.2	0.12	0.31
Production output – 1 month growth rate	-0.6	-0.01	0.24
Manufacturing output – 1 month growth rate	-0.5	0.02	0.27

Spreadsheets giving revisions triangles of estimates for all months from December 1997 through to the current month, and the calculations behind the averages in the above table, are available on the National Statistics website at:

<http://www.statistics.gov.uk/statbase/Product.asp?vlnk=6230>

8. A statistical test has been applied to the average revisions to find out if they are statistically significantly different from zero. No such differences have been found.
9. The table uses historical data for the most recent 60 months, comparing the estimate at first publication with the estimate as published 12 months later. The numbers which underpin these averages will include normal changes due to late data and re-seasonal adjustment, but also significant methodological changes, the most recent of which occurred in October 2003 (see article “Index of Production redevelopment” in *Economic Trends*, October 2002).

Deflation

10. All series, unless otherwise quoted, are measured at constant market prices. Deflators adjust the value series to take out the effect of price changes to give the volume series.

Seasonal adjustment

11. The index numbers in this Statistical Bulletin are all seasonally adjusted. This aids interpretation by removing annually recurring fluctuations, for example, due to holidays or other regular seasonal patterns. Unadjusted data are also available.

Further information

12. The complete run of data in the tables of this Statistical Bulletin is also available to view and download in electronic format free of charge using the ONS **Time Series Data service**. Users can download the complete release in a choice of zipped formats, or view and download their own selections of individual series. The Time Series Data service can be accessed at: <http://www.statistics.gov.uk/timeseries>

ONS provides an analysis of past revisions in the IoP and other Statistical Bulletins which present time series. Details can be found at:

<http://www.statistics.gov.uk/cci/article.asp?ID=793>

ONS now publishes revisions triangles for all the main published key indicators on the National Statistics website. Details can be found at:

<http://www.statistics.gov.uk/cci/article.asp?ID=1026>

Advance access

13. Details of the policy governing the release of new data are available from the press office. Also available is a list of those given pre-publication access to the contents of this release.

Code of Practice

14. **National Statistics** are produced to high professional standards set out in the Code of Practice for Official Statistics. They undergo regular quality assurance reviews to ensure that they meet customer needs. They are produced free from any political interference. © Crown copyright 2009.
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IOP5 Output of the production industries

Chained volume indices of gross value added^{1,2}

Seasonally adjusted 2005 = 100

Section	Broad industry groups					Main industrial groupings			
	Production industries	Mining and Quarrying inc Oil and Gas Extraction	Manufacturing	Electricity, Gas and Water Supply	Oil and Gas Extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods and energy
	C+D+E	C	D	E	C_1	MG-DUR	MG-NDUR	MG-CAP	MG-INEN
Latest weight	1 000.0	142.8	770.4	86.8	130.0	33.8	260.2	214.9	491.1
	CKYW	CKYX	CKYY	CKYZ	CKZO	UFIU	UFJS	UFIL	JMOH
2004	101.3 [†]	109.7 [†]	100.2 [†]	100.3 [†]	111.4 [†]	100.7 [†]	99.6 [†]	99.9 [†]	102.9 [†]
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	100.0	92.1	101.6	99.5	90.9	101.9	101.0	102.9	98.1
2007	100.3	90.7	102.2	99.7	88.9	102.3	100.2	104.9	98.3
2008	97.2	84.7	99.3	99.7	84.4	96.5	98.6	101.1	94.8
2008 Q1	100.3 [†]	86.2 [†]	102.9 [†]	100.9 [†]	85.5 [†]	102.4 [†]	100.8 [†]	105.2 [†]	97.8 [†]
Q2	99.0	85.9	101.2	100.7	85.3	99.7	99.1	103.7	96.8
Q3	97.0	84.5	99.1	99.5	84.1	95.9	98.4	100.6	94.8
Q4	92.5	82.2	93.9	97.6	82.7	88.0	96.2	94.8	89.9
2009 Q1	87.8	79.2	88.7	94.0	81.3	82.1	96.0	87.0	84.2
2008 Mar	100.0 [†]	86.2 [†]	102.4 [†]	102.1 [†]	85.5 [†]	102.1 [†]	100.2 [†]	105.0 [†]	97.6 [†]
Apr	99.9	85.7	102.2	102.7	84.6	100.8	99.9	105.4	97.4
May	98.8	86.3	101.1	98.9	85.9	99.2	99.1	103.6	96.5
Jun	98.2	85.8	100.3	100.4	85.3	99.0	98.4	102.0	96.4
Jul	97.4	81.9	99.9	101.0	81.1	96.4	98.5	101.9	94.9
Aug	96.8	82.8	99.1	99.5	81.9	95.5	98.6	100.4	94.3
Sep	96.9	88.8	98.3	97.9	89.5	95.9	98.0	99.4	95.3
Oct	94.5	81.7	96.4	98.5	82.2	91.2	97.5	97.6	91.7
Nov	92.4	82.5	93.6	97.2	83.1	88.8	96.1	94.3	89.8
Dec	90.7	82.5	91.6	97.1	82.9	84.0	94.8	92.5	88.3
2009 Jan	88.3	80.4	88.7	97.0	82.3	82.0	95.2	87.9	85.2
Feb	87.7	79.4	88.6	93.7	81.7	82.0	96.0	86.7	84.1
Mar	87.4	77.9	88.7	91.3	79.7	82.2	96.7	86.3	83.3
Apr	87.5	79.7	88.7	89.8	81.4	81.6	97.6	86.2	83.2
May	87.0	78.1	88.3	90.8	80.0	87.0	96.7	85.7	82.5
Percentage change, latest year on previous year									
2004	1.1 [†]	-7.6 [†]	2.2	1.0	-8.1 [†]	4.9 [†]	0.1 [†]	3.7 [†]	0.1 [†]
2005	-1.3	-8.9	-0.2	-0.3	-10.3	-0.7	0.4	0.1	-2.8
2006	-	-7.9	1.6 [†]	-0.5	-9.1	1.9	1.0	2.9	-1.9
2007	0.3	-1.5	0.6	0.2 [†]	-2.1	0.5	-0.8	1.9	0.1
2008	-3.1	-6.6	-2.9	-	-5.1	-5.7	-1.6	-3.6	-3.5
Percentage change, latest 3 months on previous 3 months									
2007 Mar	0.3 [†]	2.8 [†]	-0.2 [†]	1.4 [†]	2.4 [†]	-1.1 [†]	-2.2 [†]	1.1 [†]	1.5 [†]
Apr	-0.2	3.1	-0.5	-1.8	2.7	-1.1	-1.9	0.3	0.6
May	0.3	2.2	0.2	-1.2	1.9	-	-0.6	1.0	0.5
Jun	0.4	0.8	0.4	-0.3	0.4	0.8	0.6	0.7	0.2
Jul	0.7	0.4	0.5	3.7	0.3	0.8	0.5	0.6	0.9
Aug	0.1	-0.4	-	2.5	-0.8	1.8	-0.2	-0.3	0.4
Sep	-0.4	-1.4	-0.5	1.6	-1.8	0.8	-0.5	-0.8	-0.3
Oct	-0.4	-1.4	-0.4	0.7	-1.7	-0.2	-	-0.6	-0.6
Nov	-	-1.4	-0.1	2.5	-1.1	-2.8	0.6	-0.1	-0.1
Dec	0.5	-0.5	0.4	2.6	0.3	-2.9	1.0	0.5	0.5
2008 Jan	0.2	-2.5	0.6	0.8	-1.5	-1.8	0.8	0.5	-0.1
Feb	0.1	-2.6	0.6	-1.1	-1.6	0.9	0.4	0.4	-0.4
Mar	-0.3	-4.1	0.5	-1.4	-3.3	1.7	-	0.2	-0.7
Apr	-0.3	-2.5	-	0.2	-2.2	1.2	-0.4	-	-0.5
May	-0.9	-1.6	-0.9	0.3	-1.3	-1.5	-1.2	-0.5	-0.8
Jun	-1.3	-0.4	-1.6	-0.2	-0.3	-2.6	-1.6	-1.5	-1.0
Jul	-2.0	-1.5	-2.1	-1.6	-1.2	-3.9	-1.8	-2.5	-1.7
Aug	-2.1	-3.0	-2.1	-0.9	-3.0	-3.7	-1.2	-3.1	-2.0
Sep	-2.0	-1.6	-2.1	-1.2	-1.3	-3.7	-0.8	-3.0	-2.0
Oct	-2.1	-0.3	-2.5	-1.5	0.5	-4.0	-0.6	-3.3	-2.3
Nov	-3.0	0.9	-3.7	-2.4	2.6	-5.1	-1.3	-4.3	-3.1
Dec	-4.7	-2.7	-5.3	-1.9	-1.7	-8.3	-2.3	-5.7	-5.2
2009 Jan	-5.8	-3.1	-6.7	-1.6	-2.0	-9.8	-2.7	-7.7	-6.4
Feb	-6.0	-4.2	-6.7	-2.0	-3.1	-10.1	-1.9	-8.3	-6.9
Mar	-5.1	-3.6	-5.5	-3.7	-1.8	-6.7	-0.2	-8.3	-6.3
Apr	-3.2	-3.4	-2.9	-5.7	-2.2	-3.5	1.5	-5.6	-4.8
May	-1.8	-2.7	-1.2	-5.5	-2.3	1.2	1.7	-3.4	-3.3

¹ Output index numbers include adjustments, as necessary, to compensate for the use of sales indicators.

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

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

IOP5 Output of the production industries

Chained volume indices of gross value added^{1,2}

continued

Seasonally adjusted 2005 = 100

Section	Coke, refined petrol & nuclear fuels	Chemicals and man-made fibres	Basic metals and metal products	Engineering and allied industries	Food, drink and tobacco	Textiles, leather and clothing	Other manufacturing
	DF	DG	DJ	DK_DM	DA	DB_DC	DD_DN
Latest weight	13.0	87.2	83.7	233.8	114.5	22.3	215.9
2004	CKZF 101.3 [†]	CKZG 97.4 [†]	CKZJ 99.1 [†]	AGXS 100.6 [†]	CKZA 98.0 [†]	AGVO 102.2 [†]	AGXQ 102.1 [†]
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	94.5	103.1	101.5	103.3	99.3	99.9	100.9
2007	95.7	101.8	103.1	104.6	99.4	98.2	101.6
2008	97.1	101.5	99.1	101.0	97.7	98.3	97.5
2008 Q1	97.0 [†]	103.3 [†]	103.2 [†]	105.3 [†]	99.6 [†]	99.2 [†]	102.3 [†]
Q2	98.7	102.5	102.4	103.8	97.7	99.6	99.6
Q3	96.2	102.3	100.2	100.4	97.4	98.7	97.0
Q4	96.6	98.0	90.5	94.7	95.8	95.6	91.2
2009 Q1	99.3	97.0	82.3	84.9	96.4	91.8	86.8
2008 Mar	98.0 [†]	102.6 [†]	103.1 [†]	105.1 [†]	99.4 [†]	99.0 [†]	101.2 [†]
Apr	100.1	101.8	103.4	105.5	98.3	100.7	100.8
May	96.0	102.9	102.0	103.6	98.0	99.1	99.4
Jun	100.0	102.7	102.0	102.2	96.8	98.9	98.6
Jul	96.5	102.6	101.3	101.6	97.2	100.0	97.9
Aug	95.0	103.2	100.1	100.2	97.6	99.0	96.9
Sep	97.1	101.1	99.2	99.3	97.6	97.0	96.3
Oct	95.4	101.9	94.8	97.6	97.1	95.1	93.2
Nov	94.9	97.1	90.5	93.9	96.3	97.0	91.3
Dec	99.5	95.0	86.3	92.6	94.1	94.7	89.0
2009 Jan	98.3	96.5	83.1	85.5	95.6	92.4	86.7
Feb	103.7	97.5	82.4	84.5	96.5	91.6	86.3
Mar	95.9	97.1	81.6	84.7	97.0	91.4	87.5
Apr	88.5	99.6	79.7	84.8	96.3	89.5	87.9
May	91.0	98.5	78.9	84.1	96.0	90.4	87.7
Percentage change, latest year on previous year							
2004	12.4 [†]	3.8 [†]	2.7	4.4	1.6 [†]	-10.3 [†]	0.1 [†]
2005	-1.3	2.6	0.9	-0.6	2.1	-2.2	-2.0
2006	-5.5	3.1	1.5	3.3 [†]	-0.7	-0.1	0.9
2007	1.3	-1.3	1.6 [†]	1.2	0.1	-1.7	0.8
2008	1.5	-0.3	-3.9	-3.4	-1.8	0.1	-4.0
Percentage change, latest 3 months on previous 3 months							
2007 Mar	0.3 [†]	-1.3 [†]	2.1 [†]	0.8 [†]	-1.8	-3.6 [†]	-0.5 [†]
Apr	-4.1	-1.7	0.9	-0.1	-1.5	-2.9	-0.1
May	-1.0	-1.2	-0.1	0.5	-0.5	-0.2	0.8
Jun	3.0	-1.1	-0.2	0.3	0.5 [†]	1.8	1.2
Jul	2.9	-1.3	-	0.8	0.2	2.8	0.9
Aug	-0.3	-1.1	-0.1	0.3	-0.4	1.6	0.2
Sep	-0.8	-0.9	-0.8	-0.6	-0.5	1.3	-0.2
Oct	1.4	-0.1	-1.2	-1.0	-0.4	0.3	0.3
Nov	2.2	0.5	-0.8	-0.7	0.1	-1.0	0.6
Dec	0.1	1.2	-0.1	0.1	-0.1	-1.8	1.1
2008 Jan	-2.1	1.4	0.5	0.9	0.3	-1.8	0.6
Feb	-1.8	1.7	0.5	1.1	-	0.1	0.2
Mar	1.0	1.3	0.6	0.9	0.4	1.3	-0.3
Apr	3.0	0.3	0.7	0.2	-0.3	2.0	-0.9
May	2.6	-0.8	-	-0.5	-0.9	0.9	-2.0
Jun	1.8	-0.8	-0.7	-1.5	-1.9	0.4	-2.7
Jul	-0.8	-0.1	-1.6	-2.6	-1.8	-0.5	-3.0
Aug	-0.9	0.4	-1.7	-3.2	-1.4	-0.3	-2.7
Sep	-2.6	-0.2	-2.2	-3.3	-0.3	-0.9	-2.6
Oct	-1.7	-0.6	-3.7	-3.4	0.1	-2.3	-3.2
Nov	-1.4	-2.7	-6.2	-4.3	-0.2	-3.0	-4.3
Dec	0.4	-4.2	-9.6	-5.6	-1.6	-3.1	-6.0
2009 Jan	1.8	-5.8	-11.6	-8.4	-2.1	-2.4	-6.8
Feb	4.9	-3.7	-11.5	-9.7	-1.6	-3.6	-6.7
Mar	2.8	-1.0	-9.0	-10.4	0.6	-4.0	-4.8
Apr	-1.5	2.0	-6.2	-6.6	1.3	-4.1	-2.0
May	-8.6	2.2	-4.6	-3.4	1.1	-2.6	0.4

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

IOP5R Revisions to previously published output of production industries¹

Seasonally adjusted 2005 = 100

Section	Broad industry groups					Main industrial groupings			
	Production industries C+D+E	Mining and Quarrying inc Oil and Gas Extraction C	Manufacturing D	Electricity, Gas and Water Supply E	Oil and Gas Extraction C_1	Consumer durables MG-DUR	Consumer non-durables MG-NDUR	Capital goods MG-CAP	Intermediate goods and energy MG-INEN
Latest weight	1 000.0	142.8	770.4	86.8	130.0	33.8	260.2	214.9	491.1
	CKYW	CKYX	CKYY	CKYZ	CKYO	UFIU	UFJS	UFIL	JMOH
2004	0.4	17.6	-2.0	-0.7	19.9	-4.3	-0.9	-3.7	3.3
2005	0.2	15.8	-2.0	-0.7	17.6	-4.1	-0.5	-3.8	2.8
2006	-0.5	14.1	-2.2	-0.6	15.8	-4.6	-0.4	-4.9	1.9
2007	-0.3	13.8	-1.8	-1.5	15.6	-3.2	0.4	-5.0	1.8
2008	-0.8	12.8	-2.1	-1.8	14.4	-2.8	0.7	-5.9	1.0
2008 Q1	-0.7	12.9	-2.0	-1.8	14.6	-3.3	0.8	-5.7	1.0
Q2	-0.8	13.0	-2.2	-1.9	14.7	-2.7	0.8	-6.1	0.9
Q3	-0.8	12.7	-2.2	-1.8	14.2	-2.4	0.6	-6.0	0.9
Q4	-0.8	12.6	-2.2	-1.7	14.0	-3.0	0.6	-6.1	1.1
2009 Q1	-0.5	12.7	-2.0	-1.7	14.3	-1.5	0.2	-5.3	1.5
2008 Mar	-0.8	12.8	-2.1	-1.9	14.4	-3.1	0.7	-5.7	0.8
Apr	-0.7	13.0	-2.0	-2.2	14.7	-2.9	1.0	-5.8	0.9
May	-0.8	13.1	-2.3	-1.6	14.8	-2.9	0.8	-6.4	1.0
Jun	-0.9	12.9	-2.3	-2.0	14.4	-2.4	0.6	-6.3	0.8
Jul	-1.1	11.3	-2.3	-1.9	12.9	-2.5	0.3	-6.1	0.5
Aug	-0.9	12.7	-2.2	-1.9	14.2	-2.5	0.6	-6.1	0.8
Sep	-0.4	14.0	-2.1	-1.9	15.6	-2.2	0.9	-5.9	1.5
Oct	-1.0	12.2	-2.4	-1.8	13.6	-2.5	0.3	-6.4	0.9
Nov	-0.6	12.8	-2.2	-1.6	14.3	-3.0	0.8	-6.1	1.3
Dec	-0.7	12.7	-2.2	-1.7	14.3	-3.4	0.6	-5.8	1.3
2009 Jan	-0.5	12.9	-2.1	-1.7	14.4	-1.5	0.3	-5.3	1.6
Feb	-0.5	12.8	-2.0	-1.7	14.2	-1.5	0.1	-5.4	1.6
Mar	-0.6	12.7	-2.1	-1.7	14.0	-1.5	0.1	-5.1	1.4
Apr	-0.7	12.9	-2.3	-2.0	14.0	-1.6	0.3	-5.9	1.5
Percentage change, latest year on previous year									
2004	0.2	0.3	-	-	0.4	-0.1	-0.4	0.1	0.5
2005	-0.2	-0.4	-	-	-0.4	0.1	0.3	-0.1	-0.4
2006	-0.7	-0.5	-0.2	-	-0.2	-0.3	0.2	-0.9	-0.9
2007	0.2	-0.1	0.4	-0.8	0.3	1.4	0.8	-0.1	-0.2
2008	-0.5	-0.2	-0.4	-0.3	-0.6	0.1	0.3	-1.0	-0.8
Percentage change, latest 3 months on previous 3 months									
2007 Mar	0.4	0.3	0.4	-0.4	0.5	0.8	-0.2	0.9	0.4
Apr	0.2	0.4	0.1	0.1	0.4	0.8	-0.3	0.2	0.5
May	-	-	-0.1	-0.2	-	0.9	-0.1	-0.5	0.2
Jun	-0.2	-	-0.2	-0.3	-0.1	0.7	0.1	-0.8	-
Jul	-0.1	-0.2	-	-0.3	-	0.3	0.2	-0.3	-0.3
Aug	-	-	0.1	-0.1	0.1	-	0.4	0.2	-0.3
Sep	0.1	-0.2	0.1	-	-	-0.3	0.3	0.5	-0.4
Oct	-	-	-	-	0.1	-0.2	0.2	0.1	-0.3
Nov	-0.1	0.1	-0.1	-	-	-0.1	0.1	-0.3	-0.2
Dec	-0.2	-	-0.2	-0.1	-0.2	-0.2	0.1	-0.6	-0.2
2008 Jan	-0.4	-0.4	-0.2	-0.2	-0.7	-0.3	0.1	-0.5	-0.6
Feb	-0.3	-0.3	-0.2	-0.2	-0.4	-0.6	-	-0.4	-0.5
Mar	-0.3	-0.2	-	-0.2	-0.4	-	0.1	-0.1	-0.4
Apr	-0.1	0.1	-	-0.2	-	0.3	0.2	-0.1	-0.3
May	-0.1	-	-0.1	-0.1	-0.1	0.5	0.1	-0.3	-0.2
Jun	-	0.1	-0.1	-0.1	0.1	0.5	0.1	-0.6	-
Jul	-0.2	-0.4	-0.3	0.2	-0.6	0.3	-0.3	-0.6	-0.1
Aug	-0.2	-0.5	-0.2	-	-0.4	0.4	-0.3	-0.3	-0.2
Sep	-0.1	-0.1	-	-	-0.3	0.3	-0.2	-	-
Oct	0.2	0.8	-	-0.1	0.5	0.2	0.1	-0.1	0.3
Nov	0.2	0.8	-0.1	0.1	0.4	-0.2	0.2	-0.3	0.6
Dec	-0.1	0.4	-0.2	0.1	0.1	-0.8	-0.1	-0.4	0.2
2009 Jan	0.1	0.4	-	0.1	0.3	-0.4	-	-0.2	0.4
Feb	0.1	0.5	-	-	0.3	0.2	-0.3	0.1	0.4
Mar	0.2	1.0	0.1	-	0.6	1.4	-0.4	0.3	0.6
Apr	-	0.6	-0.1	-0.2	0.1	1.2	-0.4	-	0.2

¹ Revisions are calculated using one decimal place data.

IOP5R Revisions to previously published output of production industries¹

continued

Seasonally adjusted 2005 = 100

Section	Coke, refined petrol & nuclear fuels DF	Chemicals and man-made fibres DG	Basic metals and metal products DJ	Engineering and allied industries DK_DM	Food, drink and tobacco DA	Textiles, leather and clothing DB_DC	Other manufacturing DD_DN
Latest weight	13.0	87.2	83.7	233.8	114.5	22.3	215.9
	CKZF	CKZG	CKZJ	AGXS	CKZA	AGVO	AGXQ
2004	-6.5	-6.2	-3.6	-3.8	-4.0	12.7	1.7
2005	-11.0	-6.5	-3.6	-3.8	-3.6	12.2	1.9
2006	-10.9	-6.9	-3.6	-4.7	-3.6	11.9	2.0
2007	-13.9	-6.8	-2.8	-4.9	-2.4	12.4	2.7
2008	-16.9	-7.1	-2.7	-5.7	-1.9	11.9	2.6
2008 Q1	-17.7	-7.2	-2.4	-5.5	-1.9	12.0	2.6
Q2	-16.1	-7.1	-2.9	-5.8	-1.8	12.3	2.6
Q3	-15.1	-7.5	-2.9	-5.6	-2.0	11.8	2.5
Q4	-18.5	-6.4	-2.8	-5.8	-2.4	11.3	2.5
2009 Q1	-16.9	-6.3	-2.5	-4.8	-2.1	10.9	2.0
2008 Mar	-17.7	-7.2	-2.4	-5.5	-1.7	11.4	2.4
Apr	-16.5	-6.8	-2.6	-5.5	-1.7	13.0	2.8
May	-16.6	-6.9	-2.9	-6.2	-1.8	12.0	2.4
Jun	-15.1	-7.7	-3.1	-5.9	-2.0	11.9	2.6
Jul	-14.7	-8.3	-2.7	-5.7	-1.7	11.9	2.4
Aug	-15.0	-7.4	-3.0	-5.6	-2.0	12.0	2.5
Sep	-15.5	-6.7	-3.0	-5.5	-2.1	11.3	2.8
Oct	-17.6	-7.6	-2.8	-6.0	-2.4	11.0	2.6
Nov	-19.0	-5.8	-2.7	-5.8	-2.3	11.9	2.6
Dec	-19.0	-5.9	-3.0	-5.5	-2.2	11.0	2.4
2009 Jan	-18.5	-5.7	-2.5	-4.8	-1.8	10.8	1.8
Feb	-15.1	-6.4	-2.4	-4.8	-2.3	10.2	2.1
Mar	-17.0	-6.6	-2.2	-4.7	-2.4	11.6	2.2
Apr	-19.6	-6.5	-2.3	-5.5	-2.6	10.9	2.4
Percentage change, latest year on previous year							
2004	4.6	0.2	-	-	-0.4	0.2	-0.3
2005	-4.2	-0.2	-	-	0.5	-0.3	0.3
2006	-0.4	-0.1	-	-0.8	-	-0.3	0.1
2007	-2.7	-0.1	0.9	-0.2	1.1	0.8	0.8
2008	-2.5	-0.2	-0.1	-0.9	0.3	-0.7	-
Percentage change, latest 3 months on previous 3 months							
2007 Mar	-2.6	-0.2	1.3	0.7	-	1.2	0.3
Apr	-1.6	-0.4	0.6	0.2	-	0.5	-
May	2.0	-0.3	0.1	-0.3	-	0.1	-0.1
Jun	4.1	-0.2	-0.3	-0.6	0.3	-0.7	-0.1
Jul	2.9	-0.2	-0.3	-0.2	0.4	-0.1	-0.1
Aug	-1.1	0.4	-0.2	0.2	0.3	-0.3	-
Sep	-3.7	0.4	-0.1	0.4	0.1	0.2	-
Oct	-4.0	0.2	-0.2	0.1	0.1	-0.2	0.1
Nov	-2.7	-0.2	-	-0.2	0.3	-0.2	-
Dec	-1.9	-0.5	0.1	-0.5	0.2	-0.5	-
2008 Jan	-1.8	-0.8	0.4	-0.4	0.1	-0.3	-
Feb	-1.8	-0.4	0.4	-0.3	-0.1	-0.1	-0.1
Mar	-0.9	-0.1	0.4	-0.1	0.2	-0.2	-0.1
Apr	-	0.3	0.1	-0.1	0.3	-	-0.1
May	1.0	0.2	-0.1	-0.3	0.4	-0.2	-0.1
Jun	1.7	-	-0.4	-0.5	0.1	0.4	-
Jul	1.5	-0.5	-0.4	-0.5	-	-0.3	-0.1
Aug	1.6	-0.7	-0.4	-0.2	-0.2	-0.2	-
Sep	0.5	-0.3	-0.1	-	-0.2	-0.5	-
Oct	-0.7	0.4	-0.2	-	-0.4	-0.2	0.2
Nov	-2.3	0.9	-0.1	-0.2	-0.4	-0.2	0.2
Dec	-3.1	0.7	-0.1	-0.4	-0.3	-0.1	0.1
2009 Jan	-2.3	0.9	-0.1	-0.1	0.1	0.1	-0.2
Feb	0.6	0.4	-0.1	0.2	0.2	-0.4	-0.4
Mar	1.9	0.1	0.2	0.3	0.2	-	-0.4
Apr	1.2	-0.5	0.3	-	-0.3	0.2	-

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