

7 Production, output and costs

7.1 Output of the production industries

Average 2005 = 100

Summary - Seasonally adjusted											
Manufacturing industries											
SIC 2003 Sub-section	Total production industries	Mining and quarrying	Total manufact- uring industries	Food, drink and tobacco	Textiles, leather and clothing	Coke ref petrol and nuclear fuels	Chemicals and man-made fibres	Basic metals and metal products	Engineering and allied industries	Other manufact- uring	Electricity, gas and water
	C+D+E	C	D	DA	DB_DC	DF	DG	DJ	DK_DM	DD_DN	E
Weights	1000.0	142.8	770.4	114.5	22.3	13.0	87.2	83.7	233.8	215.9	86.8
2003	CKYW 100.2 [†]	CKYX 118.7 [†]	CKYY 98.0	CKZA 96.5 [†]	AGVO 113.9 [†]	CKZF 90.1 [†]	CKZG 93.9 [†]	CKZJ 96.6 [†]	AGXS 96.4	AGXQ 101.9 [†]	CKYZ 99.3
2004	101.3	109.7	100.2	98.0	102.2	101.3	97.4	99.1	100.6	102.1	100.3
2005	100.0	100.0	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	99.3	99.9	94.5	103.1	101.5	103.3	100.9	99.5
2007	100.3	90.7	102.2	99.4	98.2	95.7	101.8	103.1	104.6	101.6	99.7
2008	97.2	84.7	99.3	97.7	98.3	97.1	101.5	99.1	101.0	97.5	99.7
Seasonally adjusted											
2004 Q4	101.1	106.2	100.5	98.7 [†]	98.9	103.4	98.2	100.9	101.1	101.6	99.0
2005 Q1	100.5	103.3	100.1	99.8	101.2	106.7	98.3	99.1	99.9	101.2	100.0
Q2	100.6	102.5	100.4	100.3	101.5	98.6	99.6	100.3	100.9	100.1	100.6
Q3	99.7	97.6	100.0	100.4	98.9	99.6	100.9	99.3	100.5	99.3	99.3
Q4	99.2	96.6	99.5	99.4	98.4	95.0	101.1	101.3	98.7	99.4	100.1
2006 Q1	100.8	97.8	101.1	98.2	101.6	95.2	101.2	101.3	102.6	101.1	103.1
Q2	99.8	91.3	101.5	98.8	99.9	94.6	103.0	101.5	103.7	100.3	99.2 [†]
Q3	99.8	90.9	101.5	99.2	97.8	94.4	104.1	101.5	103.1	100.9	98.5
Q4	99.8	88.5	102.2	101.1	100.2	93.7	104.2	101.6	103.7	101.1	97.1
2007 Q1	100.1	91.0	102.0	99.3	96.6	93.9	102.9	103.7	104.6	100.6	98.4
Q2	100.5	91.6	102.4	99.9	98.4	96.8	101.7	103.5	104.9	101.8	98.2
Q3	100.1	90.4	101.9	99.3	99.7	96.0	100.8	102.7	104.3	101.5	99.7
Q4	100.6	90.0	102.3	99.2	97.9	96.1	102.0	102.5	104.4	102.7	102.3
2008 Q1	100.3	86.2	102.9	99.6	99.2	97.0	103.3	103.2	105.3	102.3	100.9
Q2	99.0	85.9	101.2	97.7	99.6	98.7	102.5	102.4	103.8	99.6	100.7
Q3	97.0	84.5	99.1	97.4	98.7	96.2	102.3	100.2	100.4	97.0	99.5
Q4	92.5	82.2	93.9	95.8	95.6	96.6	98.0	90.5	94.7	91.2	97.6
2009 Q1	87.8	79.2	88.7	96.4	91.8	99.3	97.0	82.3	84.9	86.8	94.0
Q2	87.3	78.7	88.5	96.1	90.3	90.7	97.8	79.7	84.9	87.8	90.5
2007 Jul	100.3	91.3	102.1	99.4	99.2	94.2	100.8	103.4	104.9	101.4	99.3
Aug	100.1	90.7	102.1	99.2	100.4	96.6	100.6	102.8	104.2	102.2	98.4
Sep	99.8	89.2	101.6	99.4	99.6	97.2	100.8	101.8	103.8	101.1	101.5
Oct	100.8	91.6	102.3	99.0	99.0	98.4	101.7	102.1	104.2	102.8	102.4
Nov	100.6	88.5	102.6	99.8	97.3	96.2	102.0	103.3	104.3	103.2	102.4
Dec	100.4	89.8	102.1	98.9	97.5	93.7	102.3	102.2	104.7	102.0	102.2
2008 Jan	100.4	86.4	103.1	99.8	98.9	96.3	103.3	102.7	105.8	102.7	100.1
Feb	100.5	86.1	103.2	99.7	99.7	96.7	104.1	103.7	105.1	103.1	100.4
Mar	100.0	86.2	102.4	99.4	99.0	98.0	102.6	103.1	105.1	101.2	102.1
Apr	99.9	85.7	102.2	98.3	100.7	100.1	101.8	103.4	105.5	100.8	102.7
May	98.8	86.3	101.1	98.0	99.1	96.0	102.9	102.0	103.6	99.4	98.9
Jun	98.2	85.8	100.3	96.8	98.9	100.0	102.7	102.0	102.2	98.6	100.4
Jul	97.4	81.9	99.9	97.2	100.0	96.5	102.6	101.3	101.6	97.9	101.0
Aug	96.8	82.8	99.1	97.6	99.0	95.0	103.2	100.1	100.2	96.9	99.5
Sep	96.9	88.8	98.3	97.6	97.0	97.1	101.1	99.2	99.3	96.3	97.9
Oct	94.5	81.7	96.4	97.1	95.1	95.4	101.9	94.8	97.6	93.2	98.5
Nov	92.4	82.5	93.6	96.3	97.0	94.9	97.1	90.5	93.9	91.3	97.2
Dec	90.7	82.5	91.6	94.1	94.7	99.5	95.0	86.3	92.6	89.0	97.1
2009 Jan	88.3	80.4	88.7	95.6	92.4	98.3	96.5	83.1	85.5	86.7	97.0
Feb	87.7	79.4	88.6	96.5	91.6	103.7	97.5	82.4	84.5	86.3	93.7
Mar	87.4	77.9	88.7	97.0	91.4	95.9	97.1	81.6	84.7	87.5	91.3
Apr	87.5	79.7	88.7	96.1 [†]	89.6 [†]	88.8 [†]	99.5 [†]	79.7	84.9 [†]	88.0 [†]	89.9 [†]
May	87.0	77.7 [†]	88.2 [†]	96.3	90.0	91.5	98.7	79.5 [†]	83.8	87.5	90.8
Jun	87.4	78.6	88.6	95.8	91.2	91.9	95.2	79.8	85.9	88.0	90.9

Production, output and costs

7.1 Output of the production industries

continued

Average 2005 = 100

Summary - Not seasonally adjusted

Manufacturing industries											
	Total production industries	Mining and quarrying	Total manufacturing industries	Food, drink and tobacco	Textiles, leather and clothing	Coke ref petrol and nuclear fuels	Chemicals and man-made fibres	Basic metal and metal products	Engineering and allied industries	Other manufacturing	Electricity, gas and water
SIC 2003 Sub-section	C+D+E	C	D	DA	DB_DC	DF	DG	DJ	DK_DM	DD_DN	Sect E
Weights	1000.0	142.8	770.4	114.5	22.3	13.0	87.2	83.7	233.8	215.9	86.8
	AGVZ	AGVT	AGVV	AGUV	AGWR	AGUX	AGUZ	AGVF	AGXT	AGXR	AGVX
2003	100.4 [†]	118.4 [†]	98.3	96.6 [†]	114.2 [†]	90.1 [†]	94.1 [†]	96.8 [†]	96.6 [†]	102.3 [†]	99.2
2004	101.7	109.7	100.7	98.5	102.8	101.5	98.0	99.7	101.2	102.7	100.3
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	100.1	92.1	101.7	99.4	99.9	94.3	103.2	101.6	103.5	101.0	99.7
2007	100.5	90.7	102.5	99.6	98.7	95.7	102.3	103.4	104.7	102.1	99.6
2008	97.5	84.6	99.7	98.0	98.7	96.5	102.3	99.6	101.3	98.2	98.9
Not seasonally adjusted³											
2004 Q4	104.9	110.3	104.0	108.0	103.4	104.2	97.7 [†]	98.5 [†]	106.2	104.1	105.7
2005 Q1	99.7	107.6	96.7	93.4	98.0	104.7	97.4	98.9	96.6 [†]	97.1	116.1
Q2	100.3	103.5	100.7	98.2	99.6	98.0	100.3	103.2	101.8	100.3	92.1
Q3	97.8	88.7	100.6	100.6	101.4	101.7	102.9	99.8	98.9	101.6	84.5
Q4	102.2	100.2	102.0	107.8	101.0	95.5	99.4	98.2	102.6	101.0	107.3
2006 Q1	101.6	102.5	99.4	92.9	99.5	92.9	102.0	102.9	101.1	99.2	119.3
Q2	99.1	91.9	101.3	97.0	98.3	94.3	103.3	103.4	103.8	100.1	91.0
Q3	97.0	82.0	101.2	98.4	99.1	96.3	105.2	101.4	100.6	102.2	84.5
Q4	102.9	91.9	104.8	109.4	102.9	93.9	102.2	98.6	108.5	102.6	104.0
2007 Q1	100.4	94.6	99.9	93.7	94.8	91.4	103.9	104.8	102.0	98.4	113.8
Q2	99.8	92.4	102.3	97.9	96.7	97.2	102.0	105.6	105.1	101.5	89.5
Q3	97.4	82.2	101.7	98.6	101.1	98.0	101.5	102.8	102.1	102.7	85.0
Q4	104.5	93.4	106.0	108.4	102.4	96.1	101.6	100.4	109.6	105.6	109.9
2008 Q1	99.7	89.6	99.7	93.7	96.6	94.1	103.1	102.8	101.5	98.9	116.1
Q2	98.8	87.0	101.9	95.9	97.9	98.0	103.9	105.3	104.7	100.7	90.9
Q3	95.4	76.7	100.1	97.8	101.2	97.8	104.8	101.6	99.5	99.5	84.0
Q4	96.1	85.4	97.2	104.8	99.3	96.1	97.5	88.7	99.5	93.7	104.6
2009 Q1	87.2	82.4	85.7	90.3	88.0	95.9	96.6	82.1	81.6	83.9	107.9
Q2	86.1	79.3	87.9	93.5	88.0	89.5	97.7	80.5	84.5	87.3	81.6
2007 Jul	97.4	87.3	100.8	97.3	100.1	99.6	101.5	105.0	101.2	100.4	83.7
Aug	95.9	77.3	100.9	99.9	102.1	100.0	102.0	102.0	99.0	102.4	82.6
Sep	99.0	82.0	103.3	98.6	101.0	94.3	101.1	101.3	106.1	105.2	88.8
Oct	109.1	94.3	113.0	112.8	112.2	99.7	111.3	110.3	112.0	116.6	99.5
Nov	108.2	91.6	110.8	110.5	109.9	92.6	104.7	107.6	113.8	112.7	112.3
Dec	96.2	94.3	94.1	101.9	84.9	96.0	88.8	83.5	102.8	87.6	117.9
2008 Jan	97.9	91.5	96.6	92.6	94.2	95.1	103.8	100.5	95.9	95.5	119.4
Feb	99.1	85.2	99.7	91.3	96.9	88.4	103.2	104.3	101.4	100.1	116.8
Mar	102.0	92.0	102.7	97.3	98.7	98.8	102.4	103.7	107.3	101.1	112.2
Apr	100.7	89.2	102.9	97.4	98.0	96.6	104.2	107.4	104.6	102.5	100.2
May	97.8	90.2	100.3	96.1	97.3	95.3	102.9	104.1	100.8	100.1	87.9
Jun	98.0	81.5	102.6	94.0	98.3	102.1	104.5	104.4	108.7	99.5	84.7
Jul	97.3	78.5	102.2	98.8	104.4	100.8	106.1	106.1	103.2	99.8	84.6
Aug	88.1	69.9	92.2	92.3	93.3	96.4	98.9	94.3	88.4	92.2	82.2
Sep	100.6	81.7	105.9	102.3	105.8	96.0	109.4	104.5	106.8	106.5	85.1
Oct	102.7	85.0	106.9	111.2	108.3	94.6	110.6	102.7	105.8	106.4	94.9
Nov	94.5	84.1	95.1	100.0	100.8	87.0	93.8	89.3	96.1	94.1	106.1
Dec	91.2	87.0	89.6	103.1	88.9	106.7	88.1	74.3	96.4	80.5	112.7
2009 Jan	84.8	85.5	81.2	87.1	85.3	95.3	95.1	79.2	74.6	79.0	115.6
Feb	83.8	77.6	82.2	87.1	85.0	94.0	93.2	79.3	77.2	80.7	107.8
Mar	92.9	84.2	93.7	96.5	93.8	98.6	101.4	87.7	93.0	91.9	100.4
Apr	86.6 [†]	82.4 [†]	87.3 [†]	96.4 [†]	87.2 [†]	86.8	99.1 [†]	79.9 [†]	81.6	86.9	87.3
May	83.6	80.4	84.5	90.3	84.7	87.3	95.9	78.6	78.8 [†]	85.0 [†]	80.5
Jun	88.2	75.2	91.8	93.9	92.0	94.3	98.0	83.1	93.2	90.0	76.9

7.1 Output of the production industries

continued

Average 2005 = 100

SIC 2003 Sub-section	Detailed analysis							
	Mining and quarrying			Food, drink and tobacco	Textiles, leather and clothing		Coke ref petrol and nuclear fuels	Chemicals and man-made fibres
	Oil and gas	Coal	Other mining and quarrying		Textiles and textile products	Leather and leather products		
	C_1	C_11	CB	DA	DB	DC	DF	DG
<i>Weights</i>	<i>130.0</i>	<i>1.8</i>	<i>11.0</i>	<i>114.5</i>	<i>20.2</i>	<i>2.0</i>	<i>13.0</i>	<i>87.2</i>
	CKZO	CKZP	CKZQ	CKZA	CKZB	CKZC	CKZF	CKZG
2003	121.3	148.7	88.8	96.5 [†]	111.1 [†]	149.1	90.1 [†]	93.9 [†]
2004	111.4	129.5	91.1	98.0	101.5	109.6	101.3	97.4
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	90.9	97.2	106.1	99.3	99.4	104.5	94.5	103.1
2007	88.9	85.5	113.2	99.4	97.3	107.0	95.7	101.8
2008	84.4	90.1	87.5	97.7	97.9	101.5	97.1	101.5
Seasonally adjusted ¹								
2004 Q4	107.0	125.5	95.8	98.7 [†]	99.0	96.5	103.4	98.2
2005 Q1	103.9	99.5	97.9	99.8	101.0	103.9	106.7	98.3
Q2	102.9	90.5	100.5	100.3	101.2	104.6	98.6	99.6
Q3	97.5	102.9	98.3	100.4	99.1	97.1	99.6	100.9
Q4	95.7	107.1	103.3	99.4	98.7	94.4	95.0	101.1
2006 Q1	96.3	121.0	111.1	98.2	101.2	104.8	95.2	101.2
Q2	89.8	104.8	106.8	98.8	99.6	103.0	94.6	103.0
Q3	90.0	78.8	103.0	99.2	97.4	101.7	94.4	104.1
Q4	87.3	84.1	103.5	101.1	99.4	108.5	93.7	104.2
2007 Q1	89.4	79.8	111.5	99.3	95.8	105.3	93.9	102.9
Q2	89.7	85.0	115.3	99.9	98.1	101.9	96.8	101.7
Q3	88.1	105.1	114.8	99.3	98.4	112.9	96.0	100.8
Q4	88.4	72.1	111.3	99.2	96.9	107.7	96.1	102.0
2008 Q1	85.5	76.5	96.2	99.6	98.1	110.1	97.0	103.3
Q2	85.3	90.8	92.9	97.7	98.6	109.3	98.7	102.5
Q3	84.1	99.0	86.7	97.4	98.8	97.3	96.2	102.3
Q4	82.7	94.2	74.0	95.8	96.2	89.3	96.6	98.0
2009 Q1	81.3	83.0	54.5	96.4	91.7	92.9	99.3	97.0
Q2	80.6	92.5	53.7	96.1	89.6	97.5	90.7	97.8
2007 Jul	89.4	95.0	113.2	99.4	98.4	106.9	94.2	100.8
Aug	88.1	129.1	115.6	99.2	98.9	115.3	96.6	100.6
Sep	86.9	91.3	115.6	99.4	97.9	116.6	97.2	100.8
Oct	90.1	64.5	114.3	99.0	98.6	103.5	98.4	101.7
Nov	86.7	75.3	111.2	99.8	96.3	106.8	96.2	102.0
Dec	88.4	76.5	108.4	98.9	95.9	112.8	93.7	102.3
2008 Jan	85.8	72.7	95.5	99.8	97.9	108.1	96.3	103.3
Feb	85.2	74.4	98.5	99.7	98.2	114.8	96.7	104.1
Mar	85.5	82.5	94.8	99.4	98.1	107.4	98.0	102.6
Apr	84.6	102.4	95.4	98.3	99.8	109.9	100.1	101.8
May	85.9	85.3	91.8	98.0	98.1	108.7	96.0	102.9
Jun	85.3	84.8	91.6	96.8	97.9	109.4	100.0	102.7
Jul	81.1	89.3	90.8	97.2	100.0	100.5	96.5	102.6
Aug	81.9	124.6	87.6	97.6	99.2	97.7	95.0	103.2
Sep	89.5	83.2	81.7	97.6	97.4	93.9	97.1	101.1
Oct	82.2	73.4	77.1	97.1	95.5	90.8	95.4	101.9
Nov	83.1	94.5	72.4	96.3	97.6	91.4	94.9	97.1
Dec	82.9	114.6	72.7	94.1	95.6	85.8	99.5	95.0
2009 Jan	82.3	82.0	57.5	95.6	92.2	93.5	98.3	96.5
Feb	81.7	81.2	51.7	96.5	91.6	92.2	103.7	97.5
Mar	79.7	85.8	54.2	97.0	91.2	93.2	95.9	97.1
Apr	81.4	101.9 [†]	56.0 [†]	96.1 [†]	89.2 [†]	93.5 [†]	88.8 [†]	99.5 [†]
May	79.7 [†]	92.8	51.3	96.3	89.3	97.0	91.5	98.7
Jun	80.6	82.7	53.7	95.8	90.1	102.0	91.9	95.2

Production, output and costs

7.1 Output of the production industries

continued

Average 2005 = 100

Detailed analysis (continued)										
SIC 2003 Sub-section	Engineering and allied industries				Other manufacturing					
	Basic metal and metal products	Machinery and equipment	Electrical and optical equipment	Transport equipment	Wood and wood products	Pulp, paper, printing and publishing	Rubber and plastic products	Non-metallic mineral products	Other manufacturing NES	Electricity, gas and water
	DJ	DK	DL	DM	DD	DE	DH	DI	DN	Sect E
Weights	83.7	63.7	85.8	84.3	14.4	101.3	38.5	27.6	34.2	86.8
2003	CKZJ 96.6 [†]	CKZK 91.5	CKZL 102.0 [†]	CKZM 95.1 [†]	CKZD 98.8	CKZE 105.2 [†]	CKZH 102.9 [†]	CKZI 94.2 [†]	CKZN 99.3 [†]	CKYZ 99.3
2004	99.1	96.9	103.9	100.4	104.0	104.0	101.2	99.8	98.6	100.3
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	101.5	106.4	99.7	104.6	97.7	99.5	104.2	102.7	101.0	99.5
2007	103.1	111.1	99.2	105.1	101.8	99.7	103.3	103.2	104.0	99.7
2008	99.1	109.9	93.8	101.7	94.8	97.5	98.0	97.5	98.1	99.7
Seasonally adjusted ¹										
2004 Q4	100.9	98.9	103.8	100.4	103.7	102.0	101.3	101.4	100.1	99.0
2005 Q1	99.1	100.2	101.5	98.0	101.8	101.5	102.8	99.8	99.6	100.0
Q2	100.3	99.4	100.2	102.8	98.9	101.1 [†]	100.4	98.5	98.9	100.6
Q3	99.3	99.0	100.6	101.6	100.0	99.3	98.2	99.7	100.1	99.3
Q4	101.3	101.5	97.7 [†]	97.5 [†]	99.3	98.2	98.7	101.9	101.5	100.1
2006 Q1	101.3	104.4	100.5	103.3	96.9	100.5	103.8	104.3	99.2	103.1
Q2	101.5	106.5	101.0	104.5	99.0	98.2	104.2	100.7	102.6	99.2 [†]
Q3	101.5	108.0	98.5	104.1	97.8	99.3	105.2	102.7	101.0	98.5
Q4	101.6	106.9	98.8	106.4	97.0	100.0	103.4	103.3	101.3	97.1
2007 Q1	103.7	110.4	100.0	105.0	102.4	98.5	102.7	102.2	102.2	98.4
Q2	103.5	110.1	99.1	106.9	101.3	99.5	103.8	105.4	103.4	98.2
Q3	102.7	112.3	100.0	102.6	101.9	99.4	103.1	103.2	104.6	99.7
Q4	102.5	111.5	97.6	105.9	101.7	101.6	103.4	101.9	106.0	102.3
2008 Q1	103.2	114.0	97.3	106.9	102.0	101.0	102.0	104.2	105.3	100.9
Q2	102.4	112.3	95.3	106.0	98.6	99.0	99.2	100.8	101.2	100.7
Q3	100.2	110.0	92.5	101.1	93.7	97.4	97.5	96.0	97.6	99.5
Q4	90.5	103.4	90.1	92.8	85.1	92.7	93.2	89.0	88.5	97.6
2009 Q1	82.3	91.9	84.1	80.3	76.8	90.7	83.6	81.2	87.7	94.0
Q2	79.7	89.1	83.3	83.2	80.5	91.7	84.7	82.8	86.9	90.5
2007 Jul	103.4	111.5	100.8	103.9	101.2	99.7	102.5	103.6	103.1	99.3
Aug	102.8	112.9	99.4	102.5	101.6	99.8	103.7	104.3	106.1	98.4
Sep	101.8	112.6	99.7	101.4	102.9	98.7	103.1	101.6	104.6	101.5
Oct	102.1	111.6	97.7	105.1	103.1	101.5	102.3	102.9	107.0	102.4
Nov	103.3	112.5	96.8	105.8	99.4	102.1	104.5	102.6	107.2	102.4
Dec	102.2	110.5	98.4	106.8	102.6	101.2	103.5	100.2	103.8	102.2
2008 Jan	102.7	113.9	97.8	107.9	102.1	101.2	103.0	104.1	105.6	100.1
Feb	103.7	113.8	96.9	106.9	102.3	101.9	102.2	105.9	105.9	100.4
Mar	103.1	114.3	97.2	106.1	101.5	100.0	100.8	102.5	104.2	102.1
Apr	103.4	113.6	97.2	107.8	99.2	99.8	100.3	102.3	103.8	102.7
May	102.0	112.7	94.7	105.8	99.6	98.9	99.0	100.6	100.5	98.9
Jun	102.0	110.5	93.9	104.4	97.0	98.3	98.5	99.4	99.3	100.4
Jul	101.3	111.0	93.0	103.4	95.6	97.7	98.4	97.7	98.9	101.0
Aug	100.1	110.3	92.5	100.3	94.8	97.4	97.2	96.0	96.6	99.5
Sep	99.2	108.7	92.0	99.6	90.6	97.1	96.8	94.3	97.4	97.9
Oct	94.8	108.1	90.6	96.8	88.1	93.7	95.4	91.9	92.7	98.5
Nov	90.5	103.7	89.5	91.1	84.9	92.6	94.1	89.2	88.5	97.2
Dec	86.3	98.5	90.1	90.6	82.4	91.9	90.2	85.9	84.2	97.1
2009 Jan	83.1	92.1	84.2	81.7	76.2	90.0	84.9	82.3	87.1	97.0
Feb	82.4	92.6	83.8	79.1	77.8	90.5	83.0	78.9	87.0	93.7
Mar	81.6	91.1	84.2	80.3	76.5	91.6	83.0	82.4	88.9	91.3
Apr	79.7	90.0 [†]	84.2 [†]	81.7 [†]	78.0 [†]	93.0 [†]	83.7 [†]	82.9 [†]	86.2 [†]	89.9 [†]
May	79.5 [†]	88.4	81.9	82.2	79.7	91.1	84.8	81.8	88.0	90.8
Jun	79.8	88.9	83.9	85.6	83.9	91.1	85.7	83.8	86.4	90.9

7.1 Output of the production industries

continued

Average 2005 = 100

	Market Sector analysis					
	Consumer durables	Consumer non-durables	Capital goods industries	Intermediate goods and energy		
				Total	Energy	Intermediate goods
<i>SIC 2003 Weights²</i>	33.8	260.2	214.9	491.1	231.5	259.5
	UFIU	UFJS	UFIL	JMOH	UFJB	UFJL
2003	96.0	99.5 [†]	96.3 [†]	102.8 [†]	109.0 [†]	98.4 [†]
2004	100.7	99.6	99.9	102.9	106.2	100.4
2005	100.0	100.0	100.0	100.0	100.0	100.0
2006	101.9	101.0	102.9	98.1	94.3	101.6
2007	102.3	100.2	104.9	98.3	93.3	102.7
2008	96.5	98.6	101.1	94.8	90.9	98.4
Seasonally adjusted ¹						
2004 Q4	101.4	99.2	100.1	102.6	103.6	101.8
2005 Q1	101.3	99.9	99.2	101.4	102.4	100.6
Q2	99.5	100.4	101.2	100.6	101.5	99.9
Q3	99.5	100.0	100.8	99.0	98.4	99.4
Q4	99.7	99.7	98.8	99.0	97.6	100.1
2006 Q1	100.2	100.6	102.3	100.2	99.0	101.3
Q2	102.6	100.3	103.2	97.9	93.7	101.6
Q3	101.4	100.9	102.6	97.8	93.3	101.8
Q4	103.2	101.9	103.6	96.7	91.3	101.5
2007 Q1	102.1	99.7	104.7	98.2	92.9	102.8
Q2	102.9	100.3	105.4	98.3	93.2	102.9
Q3	103.7	99.8	104.5	98.1	93.0	102.5
Q4	100.7	100.8	105.0	98.5	93.9	102.6
2008 Q1	102.4	100.8	105.2	97.8	91.9	103.1
Q2	99.7	99.1	103.7	96.8	91.8	101.2
Q3	95.9	98.4	100.6	94.8	90.7	98.6
Q4	88.0	96.2	94.8	89.9	89.2	90.6
2009 Q1	82.1	96.0	87.0	84.2	87.1	81.7
Q2	83.6	96.3	86.1	83.3	85.0	81.7
2007 Jul	103.1	99.8	104.8	98.5	93.4	102.9
Aug	104.4	99.9	104.3	98.1	92.7	102.9
Sep	103.4	99.8	104.4	97.6	93.0	101.7
Oct	100.7	100.6	105.2	98.9	95.0	102.4
Nov	99.7	101.1	104.8	98.5	93.0	103.3
Dec	101.7	100.6	105.0	98.2	93.8	102.1
2008 Jan	101.5	100.9	105.6	97.8	91.7	103.3
Feb	103.6	101.2	105.2	97.9	91.5	103.6
Mar	102.1	100.2	105.0	97.6	92.4	102.3
Apr	100.8	99.9	105.4	97.4	92.4	101.9
May	99.2	99.1	103.6	96.5	91.3	101.1
Jun	99.0	98.4	102.0	96.4	91.8	100.6
Jul	96.4	98.5	101.9	94.9	89.5	99.8
Aug	95.5	98.6	100.4	94.3	89.5	98.6
Sep	95.9	98.0	99.4	95.3	93.0	97.3
Oct	91.2	97.5	97.6	91.7	89.0	94.1
Nov	88.8	96.1	94.3	89.8	89.1	90.3
Dec	84.0	94.8	92.5	88.3	89.4	87.3
2009 Jan	82.0	95.2	87.9	85.2	88.7	82.1
Feb	82.0	96.0	86.7	84.1	87.4	81.1
Mar	82.2	96.7	86.3	83.3	85.0	81.8
Apr	81.7 [†]	97.4 [†]	86.2	83.3 [†]	85.1	81.7 [†]
May	86.4	96.5	85.4 [†]	82.6	84.7	80.8
Jun	82.6	95.0	86.8	83.9	85.1	82.8

Note: The figures contain, where appropriate, an adjustment for stock changes.

¹ Unadjusted data may be obtained from the Office for National Statistics, IOP Branch, Government Buildings, Cardiff Road, Newport, NP10 8XG.

² These sum to the total of 1 000 for the production industries.

³ Includes adjustments to standardise the length of months.

⁴ Due to a production error, Index of Production data included in the July 2009 Monthly Digest contained incorrect values across all series for periods up to and including December 2007. The current Monthly Digest tables now reflect the corrected data.

Source: Office for National Statistics: 01633 456492

7.2 Productivity jobs and output per filled job¹

2005 = 100

Manufacturing industries												
Whole economy ²	Total production industries	Total mining quarrying electricity gas & water supply	Total manufacturing industries	Food, drink and tobacco	Textiles, footwear, clothing and leather	Pulp, paper & paper products, printing and publishing	Chemicals and man-made fibres	Other non-metallic mineral products	Basic metals and fabricated metal products	Engineering and related industries	Other manufacturing	
<i>SIC 1992</i>												
Sub-section												
Productivity jobs												
	LNNM	LNOJ	LOIW	LNOK	LNOL	LOIS	LOIM	LOIN	LZYL	LZYP	LOIT	LOIZ
2003	98.2	109.2	104.8	109.4	103.4	124.0	109.8	109.7	106.9	111.1	109.0	109.8
2004	99.0	104.5	98.0	104.8	102.3	110.3	104.8	105.5	106.4	106.4	103.5	106.1
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	100.8	98.6	107.1	98.3	97.0	92.0	101.2	97.0	96.1	101.4	97.1	100.1
2007	101.6	96.3	114.6	95.2	94.7	83.2	97.3	92.4	96.8	98.4	94.8	96.9
2008	102.5	93.8	120.2	92.4	93.4	75.3	91.6	89.7	97.0	96.5	93.1	92.4
Seasonally adjusted												
2005 Q2	99.9	100.4	98.8	100.5	99.9	102.6	100.6	101.2	101.4	99.8	100.4	100.2
Q3	100.2	99.2	100.9	99.1	99.6	97.4	99.5	99.2	98.5	98.1	99.3	99.5
Q4	100.1	98.6	102.3	98.3	99.5	93.7	99.1	97.4	95.3	98.8	98.2	99.2
2006 Q1	100.4	98.0	102.0	98.4	98.6	93.5	100.1	96.6	95.2	100.8	97.7	99.0
Q2	100.7	98.6	105.0	98.5	97.0	92.3	101.4	97.1	96.2	101.8	97.4	100.0
Q3	101.0	99.2	109.7	98.7	96.2	91.6	102.0	97.4	96.7	102.6	97.1	100.7
Q4	101.1	98.6	111.5	97.8	96.2	90.8	101.4	97.0	96.2	100.6	96.1	100.5
2007 Q1	101.1	97.4	112.7	96.5	95.5	87.5	100.3	95.7	95.3	98.2	95.4	98.6
Q2	101.3	96.4	114.1	95.5	94.7	83.3	98.1	93.5	95.7	98.0	95.1	96.9
Q3	101.7	96.0	115.5	94.8	94.3	82.1	96.1	90.6	98.2	99.5	94.7	95.7
Q4	102.2	95.4	116.2	94.2	94.4	79.9	94.5	89.8	97.9	98.1	93.9	96.6
2008 Q1	102.5	94.9	118.2	93.6	94.3	77.3	92.3	91.3	99.3	97.3	93.6	95.7
Q2	102.7	94.5	119.7	93.2	93.6	75.6	91.7	90.4	100.3	98.3	93.3	94.1
Q3	102.5	93.6	121.2	92.1	93.0	75.1	91.6	88.8	96.2	96.3	93.3	91.5
Q4	102.3	92.2	121.7	90.6	92.9	73.0	90.8	88.1	92.0	94.2	92.2	88.2
2009 Q1	102.0	89.7	120.8	87.9	92.0	69.4	87.4	86.2	86.5	90.4	90.3	84.9
Output per filled job												
	LNNN	LNNW	LOJA	LNNX	LNNY	LNOG	LNOA	LNOB	LZYM	LZYQ	LNOH	LOJD
2003	96.7	91.8	105.5	89.6	93.3	93.0	95.9	85.6	87.9	86.9	88.8	90.6
2004	98.6	96.9	107.9	95.5	95.8	92.5	99.2	92.3	93.7	93.2	97.3	95.0
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	102.2	101.4	88.8	103.2	102.4	108.3	98.3	106.2	106.8	100.0	106.4	100.9
2007	104.0	104.2	82.1	107.3	105.0	117.9	102.6	110.2	106.5	104.7	110.3	105.6
2008	103.9	103.6	75.2	107.4	104.5	130.4	106.5	113.2	100.3	102.5	108.5	105.5
Seasonally adjusted												
2005 Q2	99.8	100.3	102.9	99.9	100.4	98.8	100.4	98.4	97.0	100.5	100.5	99.2
Q3	100.1	100.4	97.4	100.9	100.8	101.4	99.7	101.7	101.1	101.1	101.2	99.8
Q4	100.9	100.6	95.6	101.2	99.9	104.7	99.1	103.8	106.8	102.5	100.5	100.1
2006 Q1	101.8	102.8	97.8	102.7	99.6	108.5	100.5	104.7	109.4	100.4	105.0	101.1
Q2	101.9	101.3	89.7	103.0	101.9	108.1	96.9	106.0	104.6	99.7	106.5	101.7
Q3	102.1	100.5	85.4	102.9	103.0	106.6	97.3	106.9	106.1	98.9	106.1	100.6
Q4	102.9	101.2	82.2	104.4	105.1	110.1	98.7	107.4	107.2	101.0	107.9	100.1
2007 Q1	103.6	102.8	83.2	105.7	104.0	110.3	98.2	107.4	107.1	105.6	109.7	102.8
Q2	104.0	104.2	82.4	107.2	105.5	117.9	101.4	108.7	110.0	105.6	110.3	105.7
Q3	104.2	104.3	81.3	107.6	105.3	121.2	103.4	111.2	104.9	103.2	110.1	107.1
Q4	104.4	105.4	81.4	108.6	105.1	122.3	107.5	113.5	104.0	104.5	111.1	106.8
2008 Q1	104.9	105.7	77.6	109.9	105.7	128.1	109.5	113.1	104.7	106.0	112.4	107.0
Q2	104.7	104.7	76.4	108.6	104.5	131.4	108.0	113.3	100.3	104.2	111.2	106.0
Q3	103.9	103.6	74.4	107.6	104.8	131.2	106.3	115.1	99.6	104.0	107.6	105.8
Q4	102.3	100.3	72.3	103.6	103.1	130.7	102.1	111.2	96.6	96.0	102.8	103.1
2009 Q1	100.0	97.9	70.1	100.8	104.8	131.7	103.8	112.5	93.8	91.1	93.9	101.3

Note: The full productivity and unit wage costs data sets with associated articles can be found on the National Statistics website at: www.statistics.gov.uk/productivity.

Source: Office for National Statistics

¹ Output per filled job is the ratio of the output index numbers published in Table 7.1 and productivity jobs. A monthly series for total manufacturing industries is presented in Table 7.3.

² Whole economy output per job is based on Gross Value Added at Basic Prices.

7.3 Key Productivity Measures

2005=100

	Whole economy				Manufacturing industry		
	Implied GDP deflator ¹	Labour costs per unit of output	Wages and salaries per unit of output	Output per worker ²	Wages and salaries per unit of output	Output per filled job	
	YBGB	LNNL	LNNK	A4YM	LNNQ	LNNX	
2001	90.0	91.1	94.2	94.2	104.4	83.2	
2002	92.7	93.1	95.8	95.1	105.3	85.3	
2003	95.6	95.9	97.4	96.9	103.9	89.6	
2004	98.0	97.8	98.8	98.7	101.0	95.5	
2005	100.0	100.0	100.0	100.0	100.0	100.0	
2006	102.8	101.8	101.3	102.1	101.8	103.2	
2007	105.7	104.7	104.9	104.1	101.4	107.3	
2008	108.5	107.1	107.9	104.1	104.4	107.4	
2003 Q1	94.6	94.3	96.6	96.2	105.5	87.1	
Q2	95.4	95.2	97.1	96.6	104.1	88.8	
Q3	96.0	96.8	98.1	97.1	103.7	90.1	
Q4	96.4	97.0	97.8	97.9	102.2	92.4	
2004 Q1	96.5	96.8	97.8	98.1	100.6	94.6	
Q2	97.6	97.7	98.7	98.8	101.0	95.5	
Q3	98.5	98.0	99.2	98.7	101.7	95.0	
Q4	99.5	98.6	99.6	99.0	100.6	97.0	
2005 Q1	99.5	99.2	100.2	99.2	100.6	98.0	
Q2	100.3	99.6	99.6	99.8	99.1	99.9	
Q3	99.6	100.3	99.9	100.0	99.6	100.9	
Q4	100.6	100.9	100.3	100.9	100.7	101.2	
2006 Q1	101.9	101.1	99.9	101.6	100.8	102.7	
Q2	102.0	101.4	101.6	101.8	101.6	103.0	
Q3	103.3	101.9	101.7	102.0	102.8	102.9	
Q4	103.9	102.7	101.9	102.9	102.1	104.4	
2007 Q1	105.0	103.5	103.3	103.7	101.3	105.7	
Q2	105.5	104.5	104.2	104.0	101.3	107.2	
Q3	106.0	105.3	105.7	104.2	101.5	107.6	
Q4	106.5	105.6	106.5	104.3	101.5	108.6	
2008 Q1	107.8	106.0	106.5	105.0	101.4 [†]	109.9	
Q2	108.2	106.5	107.0	104.8	103.0	108.6	
Q3	108.6	107.3	108.2	104.2	104.4	107.6	
Q4	109.5	108.4	109.7	102.5	108.9	103.6	
2009 Q1	108.8	109.7	110.3	100.5	111.6	100.8	
2006 Oct	..	..	..	..	103.1	103.6	
Nov	..	..	..	..	101.8	104.7	
Dec	..	..	..	..	101.4	104.9	
2007 Jan	..	..	..	..	100.9	105.9	
Feb	..	..	..	..	102.1	105.2	
Mar	..	..	..	..	101.0	106.1	
Apr	..	..	..	..	101.2	106.9	
May	..	..	..	..	101.5	107.0	
Jun	..	..	..	..	101.3	107.8	
Jul	..	..	..	..	101.3	107.7	
Aug	..	..	..	..	101.3	107.7	
Sep	..	..	..	..	101.9	107.2	
Oct	..	..	..	..	101.4	108.1	
Nov	..	..	..	..	101.2	109.0	
Dec	..	..	..	..	101.9	108.7	
2008 Jan	..	..	..	..	100.8	109.9	
Feb	..	..	..	..	101.0	110.3	
Mar	..	..	..	..	102.4 [†]	109.5	
Apr	..	..	..	..	101.3	109.4	
May	..	..	..	..	103.9	108.4 [†]	
Jun	..	..	..	..	103.6	107.9	
Jul	..	..	..	..	104.0	107.9	
Aug	..	..	..	..	104.3	107.6	
Sep	..	..	..	..	104.9	107.2	
Oct	..	..	..	..	106.7	105.7	
Nov	..	..	..	..	109.2	103.3	
Dec	..	..	..	..	110.8	101.7	
2009 Jan	..	..	..	..	113.0	99.6	
Feb	..	..	..	..	111.7	100.7	
Mar	..	..	..	..	110.2	102.1	
Apr	..	..	..	..	110.3	102.9	
May	..	..	..	..	109.1	103.0	

Note: The full productivity and unit wage costs data sets with associated articles can be found on the National Statistics website at: www.statistics.gov.uk/productivity.

1 Based on the sum of expenditure components of GDP at current and constant market prices.

2 Whole Economy output per worker is the ratio of Gross Value Added (GVA) at Basic Prices and Labour Force Survey (LFS) total employment.

Source: Office for National Statistics