

7 Production, output and costs

7.1 Output of the production industries

Average 2003 = 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	117.4	792.8	117.2	26.0	13.0	88.4	80.8	238.6	228.8	89.8
	CKYW	CKYX	CKYY	CKZA	AGVO	CKZF	CKZG	CKZJ	AGXS	AGXQ	CKYZ
2003	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2004	100.9	92.1	102.2	102.0	89.5	107.8	103.6	102.7	104.4	100.4	101.0
2005	99.8	84.2	102.0	103.6	87.8	111.0	106.5	103.6	103.8	98.1	100.7
2006	100.5	78.0	103.8	102.9	88.0	105.4	110.0	105.1	108.0	98.9	100.1
2007	100.6	76.9	104.0	101.8	85.8	109.6	108.6	105.9	109.5	98.9	101.2
2008	98.0 [†]	71.9 [†]	101.4 [†]	99.6 [†]	86.4 [†]	114.0 [†]	108.6 [†]	101.8 [†]	106.7 [†]	94.9	101.5 [†]
Seasonally adjusted											
2004 Q3	100.3	92.5	101.4	101.8	87.1	104.5	101.7	102.7	103.9	99.3	100.6
Q4	100.6	89.4	102.4	102.5	86.6	110.3	104.4	104.5	105.0	99.5	99.4
2005 Q1	100.2	87.0	102.1	103.9	88.6	123.3	104.7	102.3	103.1	99.3	100.7
Q2	100.4	86.2	102.4	103.8	89.0	110.3	106.3	103.7	104.6	98.3	101.3
Q3	99.7	82.2	102.2	103.8	87.1	107.6	107.4	103.2	104.7	97.7	100.2
Q4	99.0	81.6	101.4	103.1	86.4	102.5	107.7	105.0	102.6	97.1	100.6
2006 Q1	100.6	82.6	102.9	102.0	89.4	105.1	107.9	104.1	106.2	99.0	103.7
Q2	100.4	77.3	103.8	102.6	87.8	106.7	110.0	105.2	108.3	98.6	99.7
Q3	100.6	77.1	104.3	102.9	86.6	104.3	111.4	105.8	108.5	99.4	99.3
Q4	100.3	75.1	104.3	104.0	88.2	105.3	110.8	105.3	109.0	98.6	97.9
2007 Q1	100.2	77.0	103.7	102.1	84.0	108.4	109.6	106.2	109.1	97.8	99.7
Q2	100.8	77.6	104.4	102.3	86.1	107.2	108.7	106.3	110.1	99.0	99.7
Q3	100.3	76.7	103.7	101.6	87.0	110.3	107.3	105.6	109.0	98.8	101.3
Q4	101.0	76.3	104.4	101.3	85.9	112.5	109.0	105.4	109.7	99.9	104.0
2008 Q1	101.0 [†]	73.3 [†]	104.9 [†]	101.5 [†]	87.2 [†]	114.7 [†]	110.5 [†]	105.6 [†]	110.8 [†]	99.7 [†]	102.7 [†]
Q2	99.8	72.9	103.4	99.5	87.3	114.8	109.6	105.3	109.6	97.0	102.6
Q3	97.8	71.8	101.3	99.4	86.9	111.3	109.8	103.1	106.0	94.5	101.3
Q4	93.3	69.6	96.1	98.2	84.3	115.1	104.4	93.3	100.5	88.7	99.3
2009 Q1	88.3	66.5	90.7	98.5	80.9	116.2	103.3	84.8	89.7	84.8	95.7
2007 May	101.2	78.5	104.5	102.3	86.6	108.3	108.7	106.3	110.1	99.4	101.4
Jun	101.0	77.1	104.4	101.6	87.1	105.6	107.9	106.4	110.8	98.9	102.6
Jul	100.4	77.5	103.8	101.7	86.5	107.0	107.0	106.2	109.4	98.7	100.8
Aug	100.4	77.0	103.9	101.6	87.7	111.0	107.4	105.7	108.9	99.3	100.0
Sep	100.2	75.6	103.5	101.6	86.9	112.9	107.3	104.8	108.6	98.5	103.0
Oct	100.9	77.3	104.1	101.0	86.9	114.2	107.9	105.1	109.2	99.9	103.8
Nov	101.1	75.2	104.6	101.8	85.4	112.4	109.4	106.0	109.6	100.3	104.2
Dec	101.1	76.3	104.4	101.2	85.5	111.0	109.8	105.0	110.2	99.3	104.0
2008 Jan	101.1 [†]	73.5	105.1 [†]	101.7	86.7 [†]	113.7 [†]	110.5 [†]	105.0 [†]	111.2 [†]	99.9 [†]	101.8 [†]
Feb	101.2	73.0 [†]	105.2	101.7 [†]	87.4	114.7	111.3	106.3	110.5	100.3	102.4
Mar	100.8	73.4	104.5	101.1	87.6	115.7	109.8	105.5	110.6	98.8	104.0
Apr	100.6	72.7	104.2	100.0	87.7	116.6	108.6	106.0	111.0	98.0	104.9
May	99.6	73.2	103.4	99.8	87.1	112.6	109.8	104.9	109.8	97.0	100.5
Jun	99.1	72.9	102.6	98.8	87.0	115.1	110.4	105.1	108.1	96.0	102.4
Jul	98.5	70.6	102.2	98.9	88.1	111.2	110.9	104.0	107.3	95.5	102.9
Aug	97.7	70.1	101.3	99.6	87.0	110.0	110.6	103.1	105.8	94.4	101.4
Sep	97.3	74.8	100.4	99.7	85.7	112.6	107.8	102.2	104.8	93.5	99.8
Oct	95.5	69.5	98.8	99.5	84.1	113.0	109.5	97.6	103.6	90.6	100.3
Nov	93.0	69.7	95.8	98.6	85.1	113.9	102.9	93.2	99.7	88.7	98.8
Dec	91.4	69.8	93.8	96.3	83.7	118.5	100.9	89.3	98.1	86.6	98.8
2009 Jan	88.8	67.5	90.8	97.4	81.6	116.8	102.2	85.6	90.3	84.9	98.7
Feb	88.2	66.6	90.6	98.8	81.4	118.8	103.9	84.8	89.3	84.2	95.4
Mar	88.0	65.2	90.8	99.4	79.8	112.9	103.7	83.8	89.4	85.3	93.0
Apr	88.2	66.8	91.0	98.9	78.6	108.1	106.1	82.0	90.3	85.5	91.8

Production, output and costs

7.1 Output of the production industries

continued

Average 2003 = 100

Summary - Not seasonally adjusted

Manufacturing industries											
SIC 2003	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
Sub-section	C+D+E	C	D	DA	DB_DC	DF	DG	DJ	DK_DM	DD_DN	Sect E
<i>Weights</i>	1000.0	117.4	792.8	117.2	26.0	13.0	88.4	80.8	238.6	228.8	89.8
	AGVZ	AGVT	AGVV	AGUV	AGWR	AGUX	AGUZ	AGVF	AGXT	AGXR	AGVX
2003	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2004	101.2	92.3	102.5	102.3	89.7	107.9	103.9	103.1	104.7	100.7	101.1
2005	99.6	84.5	101.7	103.5	87.5	111.0	106.2	103.3	103.5	97.8	100.8
2006	100.4	78.2	103.7	102.8	87.8	105.4	109.7	104.9	107.9	98.7	100.5
2007	101.0	76.8	104.5	102.3	86.7	109.3	109.0	106.5	109.6	99.7	101.9
2008	98.3 [†]	71.8	101.9	100.3 [†]	86.9 [†]	113.6	109.4 [†]	102.6	106.4 [†]	95.8	101.3 [†]
Not seasonally adjusted³											
2004 Q3	97.7	83.6	101.2	101.6	88.8	106.3	102.7	102.5	101.5	100.8	85.4
Q4	104.5	93.2	105.9	112.1	90.3	111.2	103.7	101.8	110.1	102.0	106.5
2005 Q1	99.3	91.1	98.5	97.0	85.5	121.6	103.6	102.1	99.7	95.0	117.0
Q2	99.8	87.3	102.5	101.6	87.1	109.8	106.7	106.6	105.3	98.2	92.9
Q3	97.4	74.7	102.1	103.6	89.0	109.4	108.9	103.1	102.5	99.2	85.2
Q4	101.9	84.8	103.8	111.7	88.6	103.2	105.7	101.5	106.4	98.7	108.1
2006 Q1	101.3	87.0	101.2	96.4	87.3	103.1	108.7	106.2	104.7	96.8	120.6
Q2	99.3	78.0	103.4	100.7	86.2	106.4	109.8	106.9	108.2	97.7	91.4
Q3	97.6	69.6	103.2	101.6	87.3	106.1	111.9	104.6	104.9	99.9	84.7
Q4	103.5	78.0	107.0	112.4	90.5	105.9	108.5	102.0	113.8	100.4	105.3
2007 Q1	100.6	80.1	101.8	96.6	82.9	106.2	110.7	108.2	106.3	96.1	116.6
Q2	100.2	78.2	104.5	101.0	85.1	107.0	108.7	108.7	110.3	99.1	91.5
Q3	98.1	69.7	103.5	100.8	88.6	111.6	108.1	105.9	106.5	100.5	86.8
Q4	105.3	79.2	108.3	110.9	90.1	112.4	108.5	103.4	115.1	103.3	112.6
2008 Q1	100.2 [†]	76.0	101.7 [†]	96.0 [†]	84.8 [†]	112.5	110.6 [†]	105.9 [†]	106.1 [†]	96.4	119.1 [†]
Q2	99.5	73.6	104.0	98.2	85.8	114.5	111.1	108.3	109.9	98.1 [†]	93.0
Q3	96.4	65.1 [†]	102.2	99.6	89.2	112.5 [†]	112.3	104.7	104.5	97.2	85.8
Q4	97.1	72.3	99.6	107.3	87.9	115.0	103.7	91.6	105.2	91.4	107.2
2009 Q1	87.5	69.1	87.6	92.7	77.5	114.0	102.7	84.8	85.5	82.0	110.6
2007 May	102.5	82.1	106.6	103.2	88.2	112.9	111.2	112.0	111.0	101.9	92.1
Jun	101.3	73.1	107.1	100.1	87.1	107.2	110.1	109.7	117.1	100.3	87.4
Jul	97.6	73.3	102.6	99.8	87.8	117.0	107.8	108.3	105.1	98.2	85.4
Aug	96.9	66.2	102.9	102.2	89.5	112.0	108.7	105.2	103.6	100.3	84.4
Sep	99.7	69.7	105.1	100.4	88.6	105.8	107.7	104.3	110.8	102.8	90.6
Oct	109.6	79.6	115.0	114.2	98.8	115.7	117.5	113.7	117.5	114.0	101.7
Nov	109.3	78.3	113.2	112.3	96.5	107.6	112.1	110.8	119.7	110.3	115.2
Dec	96.9	79.7	96.7	106.2	75.1	113.9	95.9	85.5	108.2	85.5	121.0
2008 Jan	98.2	77.5 [†]	98.5	94.7 [†]	82.7 [†]	111.4	111.2 [†]	103.6	100.2 [†]	93.1	122.4 [†]
Feb	99.9 [†]	72.3	101.8 [†]	93.1	84.5	106.6 [†]	111.0	107.4 [†]	106.3	97.6	120.0
Mar	102.6	78.1	104.8	100.1	87.4	119.6	109.4	106.8	111.7	98.6 [†]	115.0
Apr	101.1	75.5	104.7	98.7	84.9	112.1	111.3	110.6	109.6	99.8	102.9
May	98.3	76.1	102.5	99.0	85.8	111.9	109.9	107.1	106.0	97.6	89.7
Jun	99.0	69.1	104.9	96.8	86.7	119.7	112.0	107.3	114.2	97.0	86.5
Jul	98.5	66.8	104.6	101.0	92.2	120.5	114.6	109.2	108.3	97.6	86.3
Aug	89.1	59.6	94.0	94.0	82.0	107.2	106.0	97.0	92.9	90.2	84.0
Sep	101.4	69.0	107.9	103.9	93.5	109.8	116.4	107.8	112.2	103.7	87.0
Oct	103.8	72.3	109.2	112.9	95.9	110.8	117.8	106.0	111.8	103.9	97.2
Nov	95.1	71.2	97.1	101.7	88.7	100.0	99.2	92.2	101.6	91.8	108.7
Dec	92.2	73.3	92.4	107.3	79.0	134.2	94.0	76.7	102.3	78.5	115.6
2009 Jan	84.8	71.7	82.9	88.9	75.5	113.5	100.7	82.0	78.0	77.4	118.5
Feb	84.2	65.2	84.1	89.3	75.2	111.6	99.3	81.9	81.2	78.8	110.5
Mar	93.5	70.4	95.8	100.0	81.8	117.0	108.1	90.5	97.2	89.7	102.7
Apr	86.9	68.9	89.3	99.2	76.8	106.3	105.4	82.2	86.0	84.4	89.6

7.1 Output of the production industries

continued

Average 2003 = 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>	106.5	2.6	8.3	117.2	23.4	2.5	13.0	88.4
	CKZO	CKZP	CKZQ	CKZA	CKZB	CKZC	CKZF	CKZG
2003	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2004	91.5	85.9	102.1	102.0	91.2	73.6	107.8	103.6
2005	82.4	67.2	112.6	103.6	90.0	67.0	111.0	106.5
2006	75.1	64.4	119.2	102.9	89.9	70.2	105.4	110.0
2007	73.3	58.3	128.2	101.8	87.3	71.3	109.6	108.6
2008	70.0 [†]	61.7 [†]	99.4 [†]	99.6 [†]	88.5 [†]	67.6 [†]	114.0 [†]	108.6 [†]
Seasonally adjusted ¹								
2004 Q3	91.6	90.9	104.4	101.8	88.9	70.4	104.5	101.7
Q4	88.1	84.4	108.1	102.5	88.9	64.7	110.3	104.4
2005 Q1	85.8	66.8	109.4	103.9	90.7	69.6	123.3	104.7
Q2	84.7	61.8	112.7	103.8	91.0	70.7	110.3	106.3
Q3	80.3	69.2	111.6	103.8	89.6	64.7	107.6	107.4
Q4	79.1	71.1	116.9	103.1	88.9	63.1	102.5	107.7
2006 Q1	79.5	78.4	123.3	102.0	91.5	70.5	105.1	107.9
Q2	74.2	69.1	119.8	102.6	89.7	70.0	106.7	110.0
Q3	74.5	53.2	116.9	102.9	88.6	67.7	104.3	111.4
Q4	72.2	57.0	116.9	104.0	89.9	72.7	105.3	110.8
2007 Q1	73.6	54.1	126.6	102.1	85.4	70.2	108.4	109.6
Q2	74.0	57.8	129.9	102.3	88.1	67.9	107.2	108.7
Q3	72.6	70.7	130.2	101.6	88.3	75.2	110.3	107.3
Q4	73.0	50.5	126.1	101.3	87.5	71.7	112.5	109.0
2008 Q1	70.9 [†]	52.9 [†]	110.5 [†]	101.5 [†]	88.7 [†]	73.7 [†]	114.7 [†]	110.5 [†]
Q2	70.6	61.6	105.8	99.5	88.9	72.4	114.8	109.6
Q3	69.9	67.5	97.9	99.4	89.3	64.9	111.3	109.8
Q4	68.7	64.8	83.6	98.2	87.0	59.5	115.1	104.4
2009 Q1	67.0	57.6	61.9	98.5	83.3	59.2	116.2	103.3
2007 May	75.0	57.4	129.9	102.3	88.9	65.9	108.3	108.7
Jun	73.4	60.6	129.1	101.6	89.0	69.6	105.6	107.9
Jul	73.7	64.0	129.5	101.7	88.1	71.2	107.0	107.0
Aug	72.6	85.5	130.3	101.6	88.9	76.9	111.0	107.4
Sep	71.6	62.6	130.8	101.6	87.9	77.5	112.9	107.3
Oct	73.9	45.6	129.7	101.0	88.8	68.9	114.2	107.9
Nov	71.9	52.7	125.4	101.8	86.9	71.5	112.4	109.4
Dec	73.2	53.3	123.2	101.2	86.7	74.8	111.0	109.8
2008 Jan	71.2 [†]	50.8 [†]	110.1 [†]	101.7	88.3 [†]	72.0 [†]	113.7 [†]	110.5 [†]
Feb	70.4	51.5	113.0	101.7 [†]	88.5	76.9	114.7	111.3
Mar	71.1	56.4	108.3	101.1	89.3	72.1	115.7	109.8
Apr	69.9	68.5	108.9	100.0	89.3	72.7	116.6	108.6
May	71.1	57.8	104.3	99.8	88.7	71.9	112.6	109.8
Jun	70.9	58.4	104.1	98.8	88.5	72.6	115.1	110.4
Jul	68.2	62.3	104.1	98.9	90.4	66.9	111.2	110.9
Aug	67.7	82.6	97.8	99.6	89.4	65.1	110.0	110.6
Sep	73.9	57.7	91.9	99.7	88.1	62.9	112.6	107.8
Oct	68.6	51.4	86.7	99.5	86.6	60.6	113.0	109.5
Nov	68.8	65.1	81.9	98.6	87.7	60.1	113.9	102.9
Dec	68.6	78.0	82.3	96.3	86.6	57.6	118.5	100.9
2009 Jan	67.9	56.3	65.7	97.4	84.0	59.6	116.8	102.2
Feb	67.5	57.1	58.5	98.8	83.8	59.0	118.8	103.9
Mar	65.7	59.3	61.3	99.4	82.1	59.0	112.9	103.7
Apr	67.4	66.2	60.2	98.9	80.6	59.7	108.1	106.1

Production, output and costs

7.1 Output of the production industries

continued

Average 2003 = 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
<i>Weights</i>	80.8	66.5	85.1	87.0	14.5	108.3	41.1	29.6	35.2	89.8
	CKZJ	CKZK	CKZL	CKZM	CKZD	CKZE	CKZH	CKZI	CKZN	CKYZ
2003	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2004	102.7	105.9	102.2	105.3	105.3	99.0	98.3	106.2	100.2	101.0
2005	103.6	109.3	98.0	105.2	101.2	95.0	97.2	106.2	100.7	100.7
2006	105.1	116.1	98.3	111.3	98.8	94.3	101.3	109.1	101.7	100.1
2007	105.9	120.6	99.8	110.4	103.0	93.8	100.7	108.7	102.3	101.2
2008	101.8 [†]	120.0 [†]	95.5 [†]	107.5 [†]	95.9	91.7	95.2	103.9 [†]	96.8 [†]	101.5 [†]
Seasonally adjusted ¹										
2004 Q3	102.7	106.8	101.6	104.0	104.0	98.7	95.5	105.9	98.5	100.6
Q4	104.5	108.2	102.1	105.3	105.0	96.5	98.5	107.6	101.1	99.4
2005 Q1	102.3	109.1	99.4	102.2	102.6	96.6	99.5	105.8	100.7	100.7
Q2	103.7	108.4	98.2	108.0	100.0	96.3	97.5	104.6	99.5	101.3
Q3	103.2	108.5	98.8	107.7	101.4	94.6	95.6	105.9	100.8	100.2
Q4	105.0	111.2	95.7	102.8	100.8	92.5	96.0	108.4	101.6	100.6
2006 Q1	104.1	113.3	98.5	108.2	97.4	95.3	100.6	110.2	100.0	103.7
Q2	105.2	116.0	99.3	111.3	100.2	93.5	101.3	107.1	103.5	99.7
Q3	105.8	118.1	97.2	112.2	99.2	94.5	102.8	109.3	102.1	99.3
Q4	105.3	117.1	98.3	113.3	98.1	93.9	100.7	109.7	101.1	97.9
2007 Q1	106.2	119.6	100.3	109.8	103.6	92.9	99.7	107.2	100.1	99.7
Q2	106.3	119.6	99.7	112.9	102.4	93.7	101.1	110.8	101.5	99.7
Q3	105.6	122.0	100.2	107.6	103.2	93.5	100.7	108.8	102.9	101.3
Q4	105.4	121.3	98.8	111.4	102.9	95.2	101.2	108.2	104.5	104.0
2008 Q1	105.6 [†]	124.5 [†]	99.0 [†]	111.7 [†]	103.2 [†]	95.0 [†]	99.1 [†]	111.0 [†]	103.8 [†]	102.7 [†]
Q2	105.3	122.7	96.9	112.1	99.6	93.2	96.3	107.6	99.4	102.6
Q3	103.1	119.7	94.1	107.2	94.7	91.7	94.7	102.1	96.2	101.3
Q4	93.3	113.0	91.9	99.2	86.1	86.9	90.7	94.9	87.6	99.3
2009 Q1	84.8	99.8	85.4	86.1	77.4	86.0	81.5	86.7	86.4	95.7
2007 May	106.3	119.4	99.3	113.5	99.1	94.2	102.0	111.8	101.8	101.4
Jun	106.4	120.1	100.9	113.3	102.8	93.2	101.1	111.0	102.1	102.6
Jul	106.2	120.9	100.7	109.2	102.3	93.9	100.0	109.1	101.5	100.8
Aug	105.7	122.5	99.6	107.6	102.9	93.5	101.3	109.9	104.4	100.0
Sep	104.8	122.5	100.4	106.1	104.3	93.0	100.7	107.3	102.9	103.0
Oct	105.1	121.3	98.9	110.0	104.4	95.2	100.4	108.8	104.8	103.8
Nov	106.0	121.9	97.8	111.7	100.4	95.6	102.3	108.9	105.4	104.2
Dec	105.0	120.7	99.8	112.4	103.9	94.8	100.9	106.8	103.2	104.0
2008 Jan	105.0 [†]	124.7 [†]	99.3 [†]	112.6 [†]	103.4	94.9 [†]	100.0 [†]	110.8 [†]	104.4 [†]	101.8 [†]
Feb	106.3	124.3	98.6	111.6	103.5 [†]	95.5	99.3	113.0	104.5	102.4
Mar	105.5	124.7	99.3	110.9	102.6	94.5	98.0	109.2	102.5	104.0
Apr	106.0	124.3	98.2	113.5	99.9	93.7	97.3	109.5	101.8	104.9
May	104.9	123.1	97.0	112.1	100.8	93.4	96.1	107.2	99.0	100.5
Jun	105.1	120.8	95.6	110.7	98.0	92.5	95.6	106.2	97.5	102.4
Jul	104.0	120.9	94.3	109.8	96.8	92.3	95.5	104.0	97.5	102.9
Aug	103.1	120.1	94.2	106.3	95.8	91.7	94.5	102.1	95.2	101.4
Sep	102.2	118.1	93.8	105.4	91.6	90.9	94.1	100.3	95.9	99.8
Oct	97.6	117.9	92.5	103.4	89.2	87.7	92.7	98.1	91.6	100.3
Nov	93.2	113.1	91.3	97.6	85.9	86.7	91.5	95.1	87.6	98.8
Dec	89.3	107.8	92.0	96.6	83.3	86.2	87.8	91.6	83.7	98.8
2009 Jan	85.6	100.5	85.4	87.3	77.3	85.5	82.5	87.7	86.3	98.7
Feb	84.8	100.8	85.2	84.6	78.1	85.8	81.2	84.1	85.5	95.4
Mar	83.8	98.2	85.7	86.4	76.8	86.6	80.9	88.3	87.4	93.0
Apr	82.0	97.5	86.0	89.1	76.9	88.0	81.3	87.9	84.1	91.8

7.1 Output of the production industries

continued

Average 2003 = 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>	36.2	272.3	214.3	477.2	211.9	265.3
	UFIU	UFJS	UFIL	JMOH	UFJB	UFJL
2003	100.0	100.0	100.0	100.0	100.0	100.0
2004	105.0	100.5	103.6	99.6	96.5	102.2
2005	104.1	100.5	103.8	97.2	91.7	101.6
2006	106.5	101.4	107.8	96.2	87.4	103.2
2007	105.5	99.8	109.9	96.5	87.2	103.9
2008	99.3 [†]	97.9 [†]	107.0 [†]	93.8 [†]	86.0 [†]	100.1 [†]
Seasonally adjusted ¹						
2004 Q3	106.4	99.4	103.2	98.9	96.2	101.1
Q4	105.6	99.6	103.8	99.4	94.2	103.5
2005 Q1	105.5	100.7	102.5	98.5	94.2	102.0
Q2	103.5	101.0	104.9	97.7	93.0	101.5
Q3	103.6	100.5	105.1	96.4	90.3	101.3
Q4	104.0	100.0	102.7	96.4	89.5	101.8
2006 Q1	104.8	101.2	106.0	97.5	91.3	102.4
Q2	107.4	101.0	107.9	96.1	86.9	103.3
Q3	106.2	101.6	108.3	96.3	86.6	104.0
Q4	107.6	101.6	109.0	95.1	85.0	103.3
2007 Q1	105.5	99.6	109.2	96.2	86.6	103.8
Q2	105.6	100.1	110.8	96.3	86.7	104.0
Q3	106.8	99.3	109.3	96.4	87.1	103.9
Q4	104.0	100.1	110.5	97.1	88.3	104.1
2008 Q1	105.7	100.0 [†]	110.9 [†]	96.8 [†]	86.9 [†]	104.8 [†]
Q2	102.4 [†]	98.3	109.8	95.9	86.8	103.1
Q3	98.3	97.8	106.6	93.9	85.7	100.4
Q4	91.0	95.6	100.9	88.8	84.5	92.2
2009 Q1	83.6	95.8	92.3	82.7	82.1	83.2
2007 May	103.9	100.6	111.0	96.9	88.0	103.9
Jun	107.4	99.5	110.8	97.0	87.6	104.5
Jul	106.4	99.1	109.5	96.7	87.1	104.3
Aug	107.5	99.5	109.1	96.4	86.7	104.2
Sep	106.5	99.2	109.4	96.1	87.3	103.1
Oct	103.8	99.8	110.3	97.1	88.7	103.8
Nov	102.5	100.5	110.4	97.3	87.8	104.8
Dec	105.6	100.1	110.7	96.9	88.4	103.8
2008 Jan	105.0 [†]	100.1 [†]	111.2 [†]	96.8 [†]	86.5 [†]	104.9 [†]
Feb	106.9	100.4	110.7	97.0	86.5	105.4
Mar	105.2	99.5	110.7	96.8	87.6	104.1
Apr	103.7	98.9	111.2	96.5	87.6	103.6
May	102.1	98.3	110.0	95.5	86.0	103.1
Jun	101.4	97.8	108.3	95.6	86.8	102.6
Jul	98.9	98.2	108.0	94.4	85.5	101.6
Aug	98.0	98.0	106.5	93.5	84.7	100.5
Sep	98.1	97.1	105.3	93.8	87.0	99.2
Oct	93.7	97.2	104.0	90.8	84.6	95.9
Nov	91.8	95.3	100.4	88.5	84.3	91.9
Dec	87.4	94.2	98.3	87.0	84.6	89.0
2009 Jan	83.5	94.9	93.2	83.6	83.8	83.5
Feb	83.5	95.9	92.1	82.5	82.3	82.7
Mar	83.7	96.6	91.4	81.9	80.1	83.3
Apr	83.2	97.3	92.1	81.7	80.2	82.9

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

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

³ Includes adjustments to standardise the length of months.

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

Source: Office for National Statistics: 01633 456492

7.2 Productivity jobs and output per filled job¹

2003 = 100

SIC 1992 Sub-section	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
Productivity jobs												
2003	LNNM	LNOJ	LOIW	LNOK	LNOL	LOIS	LOIM	LOIN	LZYL	LZYP	LOIT	LOIZ
2004	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2005	100.8	95.7	93.5	95.8	99.0	88.9	95.4	96.3	99.5	95.8	94.9	96.6
2006	101.8	91.6	95.4	91.4	96.7	80.6	91.1	91.2	93.5	90.0	91.7	91.0
2007	102.6	90.3	102.1	89.9	93.8	74.2	92.2	88.5	89.8	91.3	89.0	91.1
2008	103.4	88.2	109.3	87.1	91.6	67.1	88.6	84.3	90.5	88.6	86.9	88.3
2008	104.4	86.0	114.7	84.4	90.4	60.7	83.5	81.8	90.7	87.0	85.4	84.1
Seasonally adjusted												
2005 Q2	101.7	91.9	94.2	91.8	96.6	82.7	91.6	92.3	94.8	89.8	92.1	91.2
Q3	102.0	90.9	96.2	90.5	96.3	78.5	90.6	90.5	92.1	88.3	91.0	90.5
Q4	101.9	90.3	97.6	89.8	96.2	75.6	90.3	88.8	89.1	88.9	90.0	90.3
2006 Q1	102.2	89.8	97.2	89.9	95.3	75.4	91.1	88.1	89.0	90.8	89.6	90.2
Q2	102.5	90.3	100.2	90.0	93.8	74.4	92.3	88.5	89.9	91.6	89.3	91.0
Q3	102.8	90.9	104.7	90.2	93.1	73.8	92.9	88.8	90.4	92.4	89.1	91.7
Q4	102.9	90.3	106.4	89.4	93.1	73.3	92.4	88.5	90.0	90.6	88.1	91.5
2007 Q1	102.9	89.2	107.5	88.2	92.4	70.5	91.4	87.3	89.1	88.5	87.5	89.8
Q2	103.2	88.3	108.9	87.3	91.6	67.2	89.3	85.3	89.5	88.2	87.2	88.2
Q3	103.6	87.9	110.1	86.6	91.2	66.2	87.6	82.6	91.8	89.6	86.9	87.1
Q4	104.0	87.4	110.9	86.1	91.4	64.5	86.1	81.9	91.5	88.3	86.2	88.0
2008 Q1	104.4	87.0	112.9	85.6	91.3	62.4	84.1	83.4	92.9	87.7	86.0	87.0
Q2	104.6	86.6	114.3	85.2	90.5	61.0	83.5	82.5	93.8	88.5	85.6	85.7
Q3	104.3	85.8	115.6	84.2	89.9	60.6	83.5	81.0	90.0	86.7	85.6	83.3
Q4	104.1	84.5	116.0	82.8	90.0	58.9	82.7	80.4	86.0	84.9	84.5	80.5
2009 Q1	..	..	..	80.9	..	..	..	..	..	..	..	..
Output per filled job												
2003	LNNN	LNNW	LOJA	LNNX	LNNY	LNOG	LNOA	LNOB	LZYM	LZYQ	LNOH	LOJD
2004	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2005	101.9	105.4	102.4	106.6	103.0	100.3	103.7	107.6	106.6	107.2	109.9	104.7
2006	103.0	109.0	95.5	111.6	107.2	108.8	104.3	116.9	113.8	115.1	113.1	110.6
2007	105.2	111.2	85.5	115.5	109.6	118.2	102.3	124.2	121.4	115.0	121.3	111.5
2008	107.5	114.0	79.5	119.5	111.1	127.6	106.0	128.9	120.2	119.4	125.8	116.3
2008	107.3	113.7	73.1	119.9	110.3	141.4	109.9	133.1	113.9	116.6	124.4	116.8
Seasonally adjusted												
2005 Q2	102.9	109.2	98.1	111.5	107.5	107.4	105.1	115.2	110.3	115.4	113.6	109.8
Q3	103.1	109.6	93.2	112.8	107.7	110.6	104.4	118.7	115.0	116.9	115.0	110.2
Q4	103.8	109.6	91.6	112.9	107.2	114.0	102.5	121.3	121.7	118.0	113.9	110.0
2006 Q1	104.6	112.0	93.9	114.4	107.0	118.4	104.6	122.4	123.8	114.7	118.5	111.5
Q2	105.1	111.1	86.4	115.4	109.3	117.6	101.2	124.1	119.1	114.8	121.2	112.7
Q3	105.2	110.7	82.4	115.6	110.5	116.9	101.6	125.3	120.9	114.5	121.7	111.5
Q4	105.9	111.0	79.4	116.6	111.7	120.1	101.7	125.1	121.9	116.2	123.6	110.5
2007 Q1	106.8	112.3	80.3	117.6	110.6	118.7	101.7	125.5	120.3	120.0	124.7	113.1
Q2	107.3	114.1	79.7	119.5	111.7	127.8	104.9	127.3	123.8	120.4	126.1	115.9
Q3	107.6	114.1	78.9	119.7	111.4	131.0	106.8	129.8	118.4	117.8	125.4	118.2
Q4	108.1	115.6	79.1	121.1	110.9	132.9	110.6	133.0	118.2	119.3	127.2	118.2
2008 Q1	108.1	115.7	75.3	122.1	111.5	138.3	112.5	132.9	118.1	119.9	127.9	118.5
Q2	107.9	114.9	74.1	121.2	110.2	141.5	111.8	133.5	113.9	118.2	127.3	116.8
Q3	107.4	113.9	72.5	120.2	110.5	142.7	109.9	136.0	113.0	118.6	123.6	116.9
Q4	105.9	110.5	70.6	116.1	108.9	143.2	105.3	130.1	110.6	109.8	118.8	115.0
2009 Q1	..	..	..	112.3	..	..	..	..	..	..	..	..

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

2003=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	94.1	95.1	96.8	97.1	100.5	92.8	
2002	97.0	97.2	98.4	98.2	101.4	95.2	
2003	100.0	100.0	100.0	100.0	100.0	100.0	
2004	102.5	102.4	101.5	101.7	97.2	106.6	
2005	104.8	105.5	103.8	102.8	96.2	111.6	
2006	107.5	107.7	105.6	104.8	97.8	115.5	
2007	110.6	109.3	107.8	107.2	97.8	119.5	
2008	113.1	112.1	110.9	107.2	100.4	119.9	
2003 Q1	98.9	98.4	99.2	99.1	101.6	97.2	
Q2	99.8	99.3	99.7	99.6	100.2	99.1	
Q3	100.4	101.0	100.7	100.2	99.8	100.6	
Q4	100.8	101.2	100.4	101.0	98.4	103.1	
2004 Q1	101.1	101.5	100.7	100.9	96.9	105.5	
Q2	102.2	102.0	101.1	101.9	97.2	106.6	
Q3	102.8	102.6	101.7	101.9	97.8	106.2	
Q4	103.9	103.6	102.7	102.1	96.9	108.2	
2005 Q1	104.2	104.3	103.6	102.1	96.9	109.3	
Q2	105.0	104.8	103.2	102.7	95.3	111.5	
Q3	104.5	105.8	103.8	102.7	95.7	112.8	
Q4	105.5	107.0	104.8	103.5	97.0	112.9	
2006 Q1	106.6	106.9	104.0	104.1	97.2	114.4	
Q2	106.6	107.4	106.1	104.7	97.5	115.4	
Q3	108.2	108.2	106.4	104.8	98.3	115.6	
Q4	108.8	108.5	106.1	105.7	98.2	116.6	
2007 Q1	109.6	109.1	107.3	106.6	97.9	117.6	
Q2	110.2	109.1	107.3	107.0	97.6	119.5	
Q3	110.9	109.5	108.0	107.3	97.9	119.7	
Q4	111.6	109.6	108.4	107.8	97.7	121.1	
2008 Q1	112.4	110.9	109.2	107.8	98.0	122.1	
Q2	113.1	111.2	109.9	107.8	99.1	121.2	
Q3	113.3	112.2	111.2	107.4	100.3	120.2	
Q4	113.9	114.2	113.5	105.8	104.4	116.1	
2009 Q1	114.3	..	..	..	107.6	112.3	
2006 Aug	..	..	..	..	98.6	115.6	
Sep	..	..	..	..	98.8	116.0	
Oct	..	..	..	..	98.8	116.1	
Nov	..	..	..	..	98.0	116.8	
Dec	..	..	..	..	97.8	117.0	
2007 Jan	..	..	..	..	97.4	117.8	
Feb	..	..	..	..	98.6	117.0	
Mar	..	..	..	..	97.5	118.2	
Apr	..	..	..	..	97.6	119.0	
May	..	..	..	..	97.7	119.3	
Jun	..	..	..	..	97.7	120.1	
Jul	..	..	..	..	97.9	119.8	
Aug	..	..	..	..	97.7	119.9	
Sep	..	..	..	..	98.2	119.5	
Oct	..	..	..	..	97.8	120.3	
Nov	..	..	..	..	97.5	121.6	
Dec	..	..	..	..	97.9	121.5	
2008 Jan	..	..	..	..	97.6	122.0	
Feb	..	..	..	..	97.6	122.5	
Mar	..	..	..	..	98.8	121.8	
Apr	..	..	..	..	98.3	121.7	
May	..	..	..	..	99.4	121.2	
Jun	..	..	..	..	99.6	120.6	
Jul	..	..	..	..	99.9	120.6	
Aug	..	..	..	..	100.2	120.3	
Sep	..	..	..	..	100.9	119.8	
Oct	..	..	..	..	102.2	118.5	
Nov	..	..	..	..	104.8	115.6	
Dec	..	..	..	..	106.0	114.2	
2009 Jan	..	..	..	..	108.5	111.5	
Feb	..	..	..	..	107.6	112.3	
Mar	..	..	..	..	106.9	113.1	

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 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.