

# Manufacturing industries in Kent

## Related documents

More information about the Kent economy can be found on our website [Economy & Employment](#)

These include information about Business in Kent, Business Sectors, Earnings and Income, Employment, Unemployment and Kent's workforce

**NOTE:** *within this bulletin "Kent" refers to the Kent County Council area which excludes Medway*

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This bulletin looks at the number of manufacturing enterprises in Kent. It also looks at the number of employee jobs, the value generated by manufacturing (GVA), the occupational structure, qualifications and apprenticeships.

## Headlines

- 4.9% of enterprises in Kent are manufacturing based enterprises (England 5%, South East 4.5%)
- 48% of Kent manufacturing enterprises are advanced engineering enterprises
- 6.1% of jobs in Kent were in manufacturing (England 7.7%, South East 6.3%)
- 45.3% of Kent manufacturing jobs were in advanced engineering
- Manufacturing generated £2,881m GVA in Kent in 2019, 7.3% of the total GVA generated in that year
- Kent manufacturing GVA was 6% lower than it was in 2000
- 2,682 people in Kent participated in an engineering and manufacturing technologies apprenticeship in 2018/19
- There were 652 engineering and manufacturing apprenticeship achievements in Kent in 2018/19

## Introduction

The manufacturing sector is defined as the fabrication, processing, or preparation of products from raw materials and commodities. This includes the manufacture of food and drink, clothing and textiles, wood, leather and paper, petroleum, chemicals and plastics, advanced engineering and any other form of manufacture. The manufacturing sector used in this bulletin is defined using the 2007 Standard Industrial Classification (2007SIC).

This bulletin looks at the number of enterprises, employee jobs, the GVA created, occupations within the industry and the number of graduates finding employment in manufacturing.

### Enterprises

The number of manufacturing enterprises comes from information from the UK Business Counts dataset produced by the Office for National Statistics (ONS). The UK Business Counts dataset is an extract compiled from the Inter Departmental Business Register (IDBR) which contains information on VAT traders and PAYE employers. The UK Business Counts dataset records the number of enterprises that were live at a reference date in March each year giving a snapshot of businesses that were live at that time. It is broken down by size band, industry, turnover and age of business. Further information about the methodology used for producing these data is available from [the Office for National Statistics](#).

### Employee jobs

The number of employee jobs in the manufacturing sector comes from information from the Business Register and Employment Survey (BRES) produced by the ONS. The BRES is a sample survey which collects employment information from businesses across the whole of the Great Britain economy for each site that they operate. The survey covers all businesses in Great Britain registered for VAT and/or PAYE. BRES does not cover the very small businesses neither registered for VAT nor PAYE, neither does it include self-employed workers unless they are registered for VAT or PAYE.

The data provides us with an estimate of employee jobs and total employment (number of employees plus the number of working owners).

BRES is a sample survey and produces estimated employment figures. These estimates are of a good quality at higher levels of geography, for example region, however the quality of the estimates deteriorates as the geographies get smaller. This should be remembered when considering the quality of county and district estimates.

The survey provides us with estimates of employees by industrial sector. The manufacturing sector used in this bulletin is defined using the 2007 Standard Industrial Classification (2007SIC). Detailed information about the types of industry which make up each of the industrial sectors is available from the UK Standard Industrial Classification of Economic Activities published by the Office for National Statistics.

### **Impact of Coronavirus on BRES data**

The Business Register and Employment Survey (BRES) reference date of 11 September 2020 meant that coronavirus (COVID-19) had a tangible effect on producing estimates. This indicates lower levels of precision than in previous years. The response rate for the 2020 BRES was 72.6%, which was lower than the 2019 BRES response rate of 83.6%. For this reason, figures for 2020 should be considered with caution.

More information on how Coronavirus has affected labour market statistics can be found [here](#).

### **GVA**

This bulletin looks at GVA generated by the manufacturing industry.

Gross Value Added (GVA) is a measure of Output i.e., the value of the goods and services produced in the economy. It is primarily used to monitor the performance of the national economy and is the measure preferred by the Office for National Statistics (ONS) to measure the overall economic well-being of an area. GVA estimates are available by broad industrial group down to local authority district level and are available for the years 1998 to 2018. This bulletin presents data from 2000 onwards.

More information is available about GVA estimates from the Office For National Statistics.

### **Occupations**

Detailed information about the occupations and the industries in which residents work is available from the 2011 Census from ONS. This dataset gives us information about the occupations of Kent residents who were in employment at the time of the Census (27 March 2011). This data will not be updated until after the next census in 2021.

### **Qualifications**

Information about the highest qualification held by workers by industry is also available from the 2011 Census. This dataset gives us information about the qualifications held by people working in manufacturing in Kent.

### **Apprenticeships**

The Department for Education (DfE) publishes figures on apprenticeship participation and achievements by sector subject area. Participation is counted as the number of people who

have attended one day or more in the given academic year. Achievements is counted as the numbers of learners who successfully complete an individual apprenticeship in an academic year.

This bulletin presents three levels of apprenticeship:

- Intermediate - equivalent or 5 GCSE passes
- Advanced – equivalent to 2 passes at A-Level. The apprentice would generally need experience of working in the industry
- Higher - equivalent to a foundation degree, a Higher National Certificate (HNC), or the first year of an undergraduate degree up to a full degree. An apprentice would have to already show a high level of education e.g., have completed an advanced apprenticeship; have 2 passes at A level; have a BTEC qualification.

The latest annual data available is for academic year 2018/19.

## Manufacturing Industry Enterprises

The UK Business Counts dataset records the number of enterprises that were live as at March each year, giving a snapshot of businesses that were operating at this point in time. It is broken down by size band, industry and turnover. The latest data is for 2021.

All numbers are rounded at source. Values may be rounded down to zero and so all zeros are not necessarily true zeros. Totals across tables may differ by minor amounts due to the disclosure methods used. All percentages are rounded to one decimal place.

5.0% of enterprises in England were manufacturing enterprises as of 2021.

15.8% of all the manufacturing enterprises in the country can be found in the South East region, however manufacturing accounts for a smaller proportion of enterprise in the South East than all other regions except for London.

**Table 1: Manufacturing enterprises by region**

2021	% of all manufacturing enterprises in England	
	Number	
<b>England</b>	<b>120,005</b>	<b>100%</b>
<b>South East</b>	<b>19,020</b>	<b>15.8%</b>
North West	15,130	12.6%
London	14,665	12.2%
West Midlands	14,625	12.2%
East	14,305	11.9%
South West	12,785	10.7%
Yorkshire and The Humber	12,545	10.5%
East Midlands	12,390	10.3%
North East	4,535	3.8%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

The number of manufacturing enterprises has increased nationally by 4.4% over the last five years. It has increased in all regions of the country. The largest growth was in London (+11.8%).

**Table 2: Change in manufacturing enterprises by region**

Manufacturing enterprises			Change since last year		5 year change	
2021	Number	%	Number	%	Number	%
<b>England</b>	<b>120,005</b>	<b>5.0%</b>	<b>2,115</b>	<b>1.8%</b>	<b>5,095</b>	<b>4.4%</b>
West Midlands	14,625	6.7%	170	1.2%	-20	-0.1%
East Midlands	12,390	6.6%	200	1.6%	295	2.4%
Yorkshire and The Humber	12,545	6.5%	230	1.9%	605	5.1%
North East	4,535	6.3%	105	2.4%	265	6.2%
North West	15,130	5.6%	245	1.6%	565	3.9%
South West	12,785	5.4%	300	2.4%	735	6.1%
East	14,305	5.3%	-40	-0.3%	520	3.8%
<b>South East</b>	<b>19,020</b>	<b>4.5%</b>	<b>315</b>	<b>1.7%</b>	<b>575</b>	<b>3.1%</b>
London	14,665	2.7%	580	4.1%	1,550	11.8%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

Kent had a similar proportion of manufacturing enterprises as England as of March 2021. 3,180 manufacturing enterprises accounted for 4.9% of all enterprises in Kent.

**Table 3: Manufacturing enterprises**

2021	Total enterprises	Manufacturing enterprises		Change since last year		5 year change	
	Number	Number	%	Number	%	Number	%
Ashford	6,605	330	5.0%	0	0.0%	15	4.8%
Canterbury	5,455	260	4.8%	10	4.0%	20	8.3%
Dartford	4,780	215	4.5%	10	4.9%	-15	-6.5%
Dover	3,680	195	5.3%	5	2.6%	25	14.7%
Folkestone & Hythe	3,785	185	4.9%	10	5.7%	20	12.1%
Gravesham	4,115	190	4.6%	-5	-2.6%	15	8.6%
Maidstone	7,995	375	4.7%	5	1.4%	20	5.6%
Sevenoaks	6,610	305	4.6%	0	0.0%	0	0.0%
Swale	5,045	355	7.0%	5	1.4%	40	12.7%
Thanet	4,185	255	6.1%	20	8.5%	45	21.4%
Tonbridge and Malling	6,140	270	4.4%	-15	-5.3%	10	3.8%
Tunbridge Wells	6,300	250	4.0%	20	8.7%	-5	-2.0%
<b>Kent</b>	<b>64,700</b>	<b>3,180</b>	<b>4.9%</b>	<b>60</b>	<b>1.9%</b>	<b>175</b>	<b>5.8%</b>
Medway	9,195	470	5.1%	20	4.4%	15	3.3%
Kent + Medway	73,895	3,650	4.9%	80	2.2%	195	5.6%
South East Region	420,185	19,020	4.5%	315	1.7%	575	3.1%
England	2,405,965	120,005	5.0%	2,115	1.8%	5,095	4.4%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

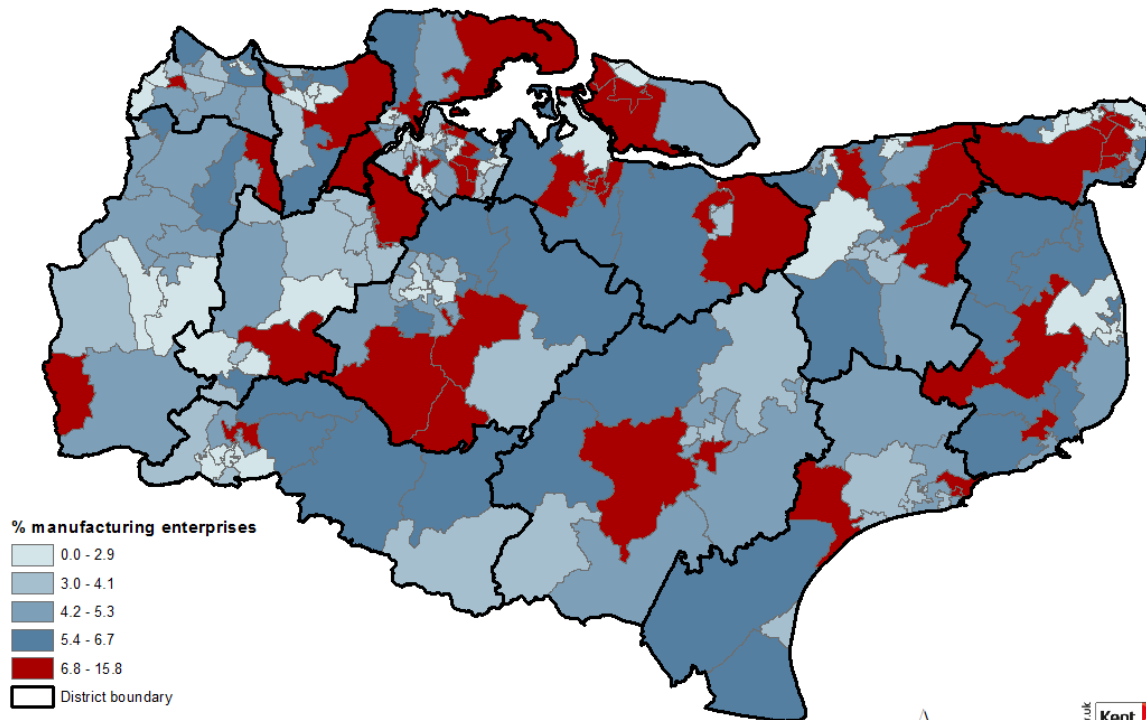
Maidstone district had the highest number of manufacturing enterprises (375) while Swale district had the highest proportion (7.0%, 355 enterprises).

Map 1 shows the proportion of manufacturing enterprises in Kent and Medway MSOAs. MSOAs are a geographical hierarchy designed to improve the bulletining of small area statistics in England and Wales.

## Map 1: Percentage of manufacturing enterprises in Kent & Medway

Proportion of Manufacturing enterprises in Kent & Medway MSOAs, 2021

Source: ONS UK Business Counts



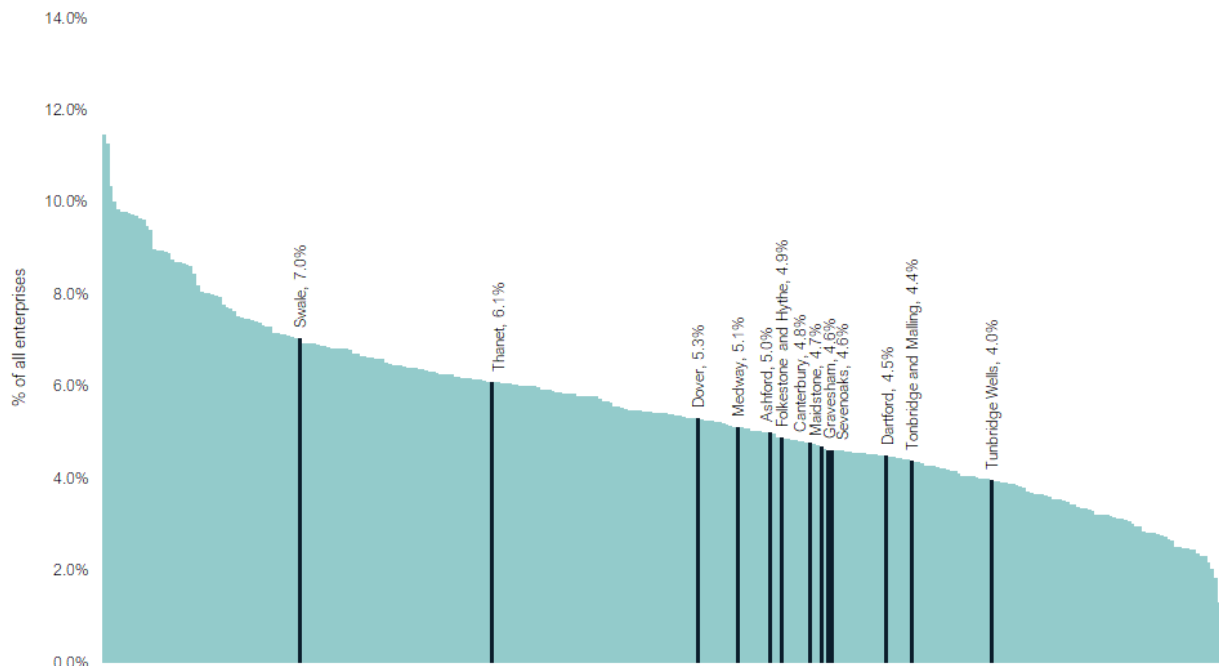
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Chart 1 overleaf shows the proportion of manufacturing enterprises in local authorities in England. Swale was the only Kent district to appear within the top 20% of districts with the highest concentration of manufacturing enterprises in the country (those where manufacturing enterprises make up 6.9% or more of enterprises). Tunbridge Wells district was the lowest ranking Kent district and was just outside the 20% of authorities with the lowest proportion (those where manufacturing makes up 3.9% or less of all enterprises).

## Chart 1: Manufacturing industry enterprises in England

Concentration of Manufacturing Industry enterprises in local authorities in England, 2021



Source: UK Business Counts, ONS  
Presented by: Kent Analytics, Kent County Council

Over the last five years all but three Kent districts saw an increase in the number of enterprises (175 more manufacturing enterprises, an increase of 5.8%).

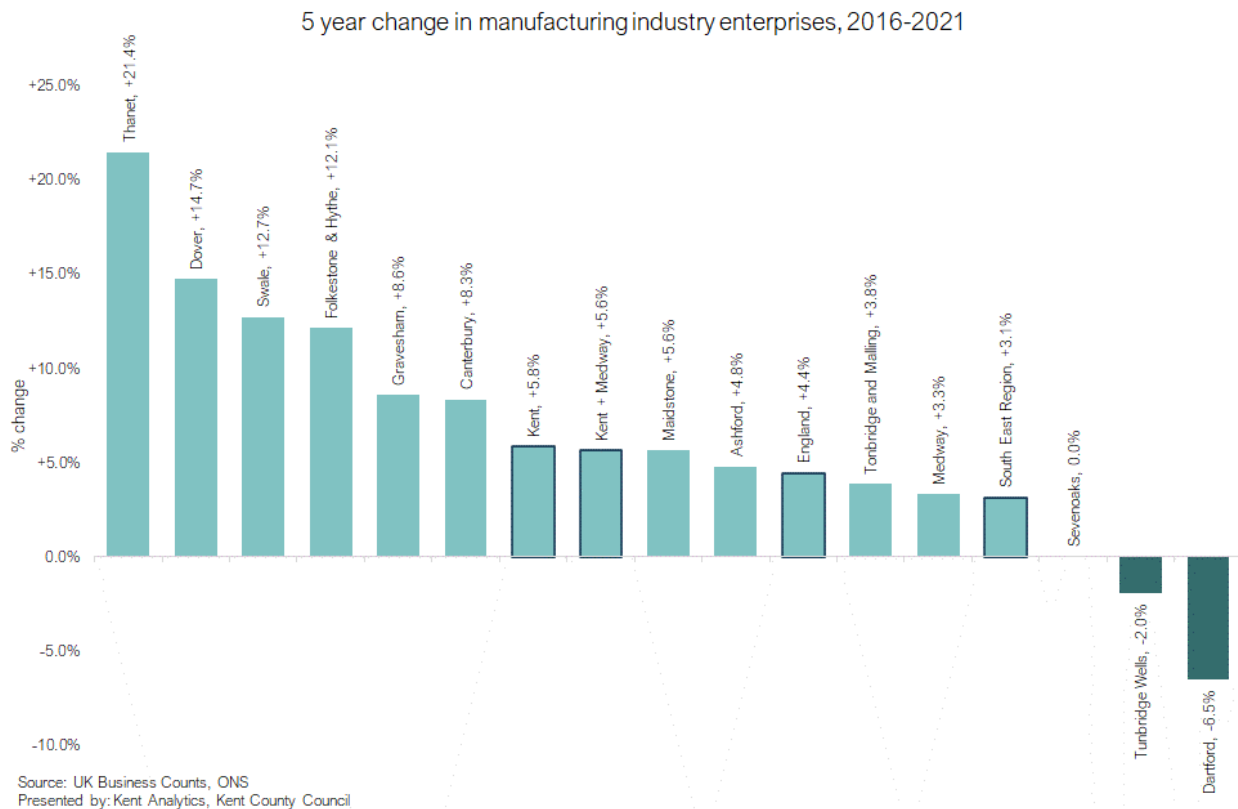
Within Kent, Thanet saw the biggest increase with 45 more enterprises. This represents a 21.4% increase.

Not all authorities have seen manufacturing enterprises increase. Dartford and Tunbridge Wells both saw a decrease in number (-15 and -5 respectively) and Sevenoaks saw no change at all.

The five-year percentage change in manufacturing enterprises is shown in chart 2.



## Chart 2: Five-year growth in manufacturing enterprises



In this bulletin the manufacturing industry has been subdivided into six broad manufacturing types:

### 1. Food & Drink Manufacture

Manufacture of food products  
Manufacture of beverages

### 2. Clothing & Textiles Manufacture

Manufacture of textiles  
Manufacture of wearing apparel

### 3. Wood, Leather & Paper Manufacture

Manufacture of leather & related products  
Manufacture of wood and products of wood or cork except furniture  
Manufacture of paper and paper products  
Printing and reproduction of recorded media

### 4. Petroleum, Chemicals and Plastics

Manufacture of coke and refined petroleum products  
Manufacture of chemicals and chemical products  
Manufacture of basic pharmaceutical products and preparations  
Manufacture of rubber and plastic products

Manufacture of other non-metallic mineral products

#### 5. Advanced Engineering

Manufacture of basic metals

Manufacture of fabricated metal products except machinery & equipment

Manufacture of computer, electronic & optical products

Manufacture of electrical equipment

Manufacture of machinery & equipment (not classified elsewhere)

Manufacture of motor vehicles, trailers and semi-trailers

Manufacture of other transport equipment

Repair & installation of machinery & equipment

#### 6. Other Manufacture

Manufacture of tobacco products

Manufacture of furniture

Other manufacturing

Advanced engineering accounts for almost a half of all manufacturing enterprises in Kent (48.0%). Swale and Maidstone districts have the highest number of advanced engineering enterprises (195 and 180 enterprises respectively).

Wood, leather and paper manufacture is the second largest manufacturing subsector in Kent, accounting for almost one in five manufacturing enterprises.

**Table 4: Make up of manufacturing enterprises**

	Total	Food & Drink	Clothing & Textiles	Wood, Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other Manufacture
<b>2021</b>	<b>Manufacturing</b>	<b>Manufacture</b>	<b>Manufacture</b>	<b>Manufacture</b>	<b>and Plastics</b>	<b>Engineering</b>	<b>Manufacture</b>
Ashford	330	30	10	70	35	140	45
Canterbury	260	25	15	50	20	110	40
Dartford	215	5	10	40	20	120	15
Dover	195	15	15	30	15	110	15
Folkestone & Hythe	185	15	5	30	20	90	15
Gravesham	190	10	5	35	10	105	30
Maidstone	375	30	5	80	40	180	35
Sevenoaks	305	15	10	65	25	145	45
Swale	355	25	10	55	30	195	40
Thanet	255	15	15	40	25	115	40
Tonbridge and Malling	270	15	10	60	20	140	25
Tunbridge Wells	250	30	15	65	20	80	40
<b>Kent</b>	<b>3,180</b>	<b>230</b>	<b>120</b>	<b>620</b>	<b>295</b>	<b>1,525</b>	<b>390</b>
Medway	470	25	20	80	30	275	40
Kent + Medway	3,650	255	140	700	325	1,800	425
South East	19,020	1,360	840	3,260	1,670	9,585	2,310
England	120,005	9,430	7,605	19,800	11,450	57,075	14,645

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

**Table 5: Proportion of manufacturing enterprises by manufacturing type**

	Total	Food & Drink	Clothing & Textiles	Wood, Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other
<b>2021</b>	<b>Manufacturing</b>	<b>Manufacture</b>	<b>Manufacture</b>	<b>Manufacture</b>	<b>and Plastics</b>	<b>Engineering</b>	<b>Manufacture</b>
Ashford	100%	9.1%	3.0%	21.2%	10.6%	42.4%	13.6%
Canterbury	100%	9.6%	5.8%	19.2%	7.7%	42.3%	15.4%
Dartford	100%	2.3%	4.7%	18.6%	9.3%	55.8%	7.0%
Dover	100%	7.7%	7.7%	15.4%	7.7%	56.4%	7.7%
Folkestone & Hythe	100%	8.1%	2.7%	16.2%	10.8%	48.6%	8.1%
Gravesham	100%	5.3%	2.6%	18.4%	5.3%	55.3%	15.8%
Maidstone	100%	8.0%	1.3%	21.3%	10.7%	48.0%	9.3%
Sevenoaks	100%	4.9%	3.3%	21.3%	8.2%	47.5%	14.8%
Swale	100%	7.0%	2.8%	15.5%	8.5%	54.9%	11.3%
Thanet	100%	5.9%	5.9%	15.7%	9.8%	45.1%	15.7%
Tonbridge and Malling	100%	5.6%	3.7%	22.2%	7.4%	51.9%	9.3%
Tunbridge Wells	100%	12.0%	6.0%	26.0%	8.0%	32.0%	16.0%
<b>Kent</b>	<b>100%</b>	<b>7.2%</b>	<b>3.8%</b>	<b>19.5%</b>	<b>9.3%</b>	<b>48.0%</b>	<b>12.3%</b>
Medway	100%	5.3%	4.3%	17.0%	6.4%	58.5%	8.5%
Kent + Medway	100%	7.0%	3.8%	19.2%	8.9%	49.3%	11.6%
South East	100%	7.2%	4.4%	17.1%	8.8%	50.4%	12.1%
England	100%	7.9%	6.3%	16.5%	9.5%	47.6%	12.2%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

Looking in more detail at the enterprises which are classified as being manufacturing based, it shows that businesses which manufacture fabricated metal products accounts for almost one in five of all manufacturing enterprises in Kent. In Medway they account for almost a quarter of all manufacturing enterprises. This is shown in table 6 (overleaf).

**Table 6: Detailed manufacturing enterprises**

2021	Kent	Medway	South East	England
<b>Total Manufacturing</b>	<b>3,180</b>	<b>470</b>	<b>19,020</b>	<b>120,005</b>
<b>Food &amp; Drink Manufacture</b>	<b>7.2%</b>	<b>5.3%</b>	<b>7.2%</b>	<b>7.9%</b>
<i>Manufacture of food products</i>	5.3%	4.3%	5.2%	6.1%
<i>Manufacture of beverages</i>	2.0%	1.1%	1.9%	1.8%
<b>Clothing &amp; Textiles Manufacture</b>	<b>3.8%</b>	<b>4.3%</b>	<b>4.4%</b>	<b>6.3%</b>
<i>Manufacture of textiles</i>	2.0%	2.1%	2.5%	3.1%
<i>Manufacture of wearing apparel</i>	1.7%	2.1%	2.0%	3.3%
<b>Wood, Leather &amp; Paper Manufacture</b>	<b>19.5%</b>	<b>17.0%</b>	<b>17.1%</b>	<b>16.5%</b>
<i>Manufacture of leather &amp; related products</i>	0.2%	0.0%	0.3%	0.5%
<i>Manufacture of wood and products of wood or cork except furniture</i>	7.5%	8.5%	6.6%	6.8%
<i>Manufacture of paper and paper products</i>	1.3%	1.1%	0.9%	1.1%
<i>Printing and reproduction of recorded media</i>	10.4%	7.4%	9.3%	8.2%
<b>Petroleum, Chemicals and Plastics</b>	<b>9.3%</b>	<b>6.4%</b>	<b>8.8%</b>	<b>9.5%</b>
<i>Manufacture of coke and refined petroleum products</i>	0.2%	0.0%	0.1%	0.1%
<i>Manufacture of chemicals and chemical products</i>	2.0%	2.1%	2.3%	2.3%
<i>Manufacture of basic pharmaceutical products and preparations</i>	0.5%	0.0%	0.6%	0.5%
<i>Manufacture of rubber and plastic products</i>	3.5%	2.1%	3.5%	4.0%
<i>Manufacture of other non metallic mineral products</i>	3.1%	2.1%	2.3%	2.6%
<b>Advanced Engineering</b>	<b>48.0%</b>	<b>58.5%</b>	<b>50.4%</b>	<b>47.6%</b>
<i>Manufacture of basic metals</i>	1.4%	2.1%	1.1%	1.3%
<i>Manufacture of fabricated metal products except machinery &amp; equipment</i>	18.9%	23.4%	18.2%	19.7%
<i>Manufacture of computer, electronic &amp; optical products</i>	4.2%	4.3%	6.4%	4.3%
<i>Manufacture of electrical equipment</i>	2.7%	2.1%	2.8%	2.3%
<i>Manufacture of machinery &amp; equipment (not classified elsewhere)</i>	5.2%	7.4%	5.1%	5.4%
<i>Manufacture of motor vehicles, trailers and semi-trailers</i>	2.2%	2.1%	2.5%	2.6%
<i>Manufacture of other transport equipment</i>	1.1%	1.1%	2.6%	1.6%
<i>Repair &amp; installation of machinery &amp; equipment</i>	12.4%	16.0%	11.6%	10.4%
<b>Other Manufacture</b>	<b>12.3%</b>	<b>8.5%</b>	<b>12.1%</b>	<b>12.2%</b>
<i>Manufacture of tobacco products</i>	0.0%	0.0%	0.0%	0.0%
<i>Manufacture of furniture</i>	4.7%	3.2%	4.6%	4.8%
<i>Other manufacturing</i>	7.5%	5.3%	7.5%	7.4%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

The size of an enterprise can be classified as a micro, small, medium or large depending upon the number of workers it employs.

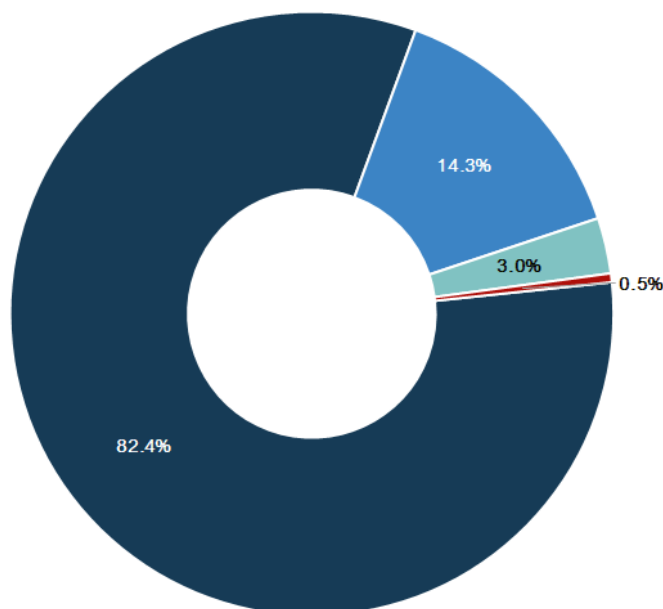
Enterprise size	Number of employees
Micro	0 to 9
Small	10 to 49
Medium	50 to 249
Large	250+

The majority of enterprises of any industry in Kent are classified as micro enterprises employing fewer than ten employees. However, while the majority of manufacturing enterprises in Kent (82.4%) are micro enterprises, overall they are less likely to be micro enterprises than the average for total industries (90.3%). They are more likely to be to be classified as small (10 to 49 employees) or medium sized (50 to 249 employees) than the average for all enterprises. 14.3% of manufacturing businesses are small enterprises (8.0% for total enterprises) and 3.0% medium sized as opposed to the average of 1.4%. The proportion of manufacturing enterprises by employment size band is shown in chart 3.

### Chart 3: Manufacturing industry enterprises in Kent by size band

Kent manufacturing enterprises employment sizebands 2021

■ Micro (0 to 9) ■ Small (10 to 49) ■ Medium-sized (50 to 249) ■ Large (250+)



Source: UK Business Counts, ONS  
Presented by: Kent Analytics, Kent County Council

Folkestone and Hythe has a higher proportion of manufacturing enterprises which are classified as large (employing 250 workers or more) than the national or regional average. In Folkestone and Hythe 2.7% of manufacturing enterprises are large enterprises, considerably higher than the national average of 0.8%.

**Table 7: Manufacturing enterprises - size bands**

2021	Employment sizeband - manufacturing enterprises					Percentage of all enterprises			
	Total	Micro (0 to 9)	Small (10 to 49)	Medium-sized (50 to 249)	Large (250+)	Micro (0 to 9)	Small (10 to 49)	Medium-sized (50 to 249)	Large (250+)
Ashford	330	270	55	5	0	81.8%	16.7%	1.5%	0.0%
Canterbury	260	225	25	5	0	86.5%	9.6%	1.9%	0.0%
Dartford	215	185	25	5	0	86.0%	11.6%	2.3%	0.0%
Dover	195	165	20	10	0	84.6%	10.3%	5.1%	0.0%
Folkestone & Hythe	185	155	25	5	5	83.8%	13.5%	2.7%	2.7%
Gravesham	190	170	20	5	0	89.5%	10.5%	2.6%	0.0%
Maidstone	375	300	60	15	0	80.0%	16.0%	4.0%	0.0%
Sevenoaks	305	250	45	10	0	82.0%	14.8%	3.3%	0.0%
Swale	355	280	55	15	0	78.9%	15.5%	4.2%	0.0%
Thanet	255	205	40	10	0	80.4%	15.7%	3.9%	0.0%
Tonbridge and Malling	270	210	50	10	0	77.8%	18.5%	3.7%	0.0%
Tunbridge Wells	250	215	30	5	0	86.0%	12.0%	2.0%	0.0%
<b>Kent</b>	<b>3,180</b>	<b>2,620</b>	<b>455</b>	<b>95</b>	<b>15</b>	<b>82.4%</b>	<b>14.3%</b>	<b>3.0%</b>	<b>0.5%</b>
Medway	470	385	65	15	5	81.9%	13.8%	3.2%	1.1%
Kent + Medway	3,650	3,005	515	110	20	82.3%	14.1%	3.0%	0.5%
South East	19,020	15,615	2,600	645	165	82.1%	13.7%	3.4%	0.9%
England	120,005	95,425	18,410	5,160	1,010	79.5%	15.3%	4.3%	0.8%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

More than half of Kent manufacturing enterprises (60.8%) have an annual turnover of up to £199,000, this reflects a similar picture to that seen nationally (60.0%) and regionally (61.0%). 16.3% of the manufacturing enterprises in the South East region who have an annual turnover higher than £500,000 are Kent based enterprises.

**Table 8: Manufacturing enterprise turnover**

2021	Number of Manufacturing enterprises				% of total Manufacturing enterprises			
	Kent	Medway	South East	England	Kent	Medway	South East	England
<b>Total</b>	3,180	470	19,020	120,005	100%	100%	100%	100%
0 to 49 (thousand)	435	50	2,645	15,350	13.7%	10.6%	13.9%	12.8%
50 to 99 (thousand)	660	100	4,055	25,905	20.8%	21.3%	21.3%	21.6%
100 to 199 (thousand)	840	130	4,905	30,700	26.4%	27.7%	25.8%	25.6%
200 to 499 (thousand)	410	60	2,280	14,160	12.9%	12.8%	12.0%	11.8%
500 to 999 (thousand)	315	50	1,780	11,060	9.9%	10.6%	9.4%	9.2%
1000 to 1999 (thousand)	195	25	1,190	7,920	6.1%	5.3%	6.3%	6.6%
2000 to 4999 (thousand)	165	25	1,025	7,005	5.2%	5.3%	5.4%	5.8%
5000 to 9999 (thousand)	75	10	480	3,305	2.4%	2.1%	2.5%	2.8%
10000 to 49999 (thousand)	70	15	480	3,500	2.2%	3.2%	2.5%	2.9%
50000+ (thousand)	15	5	175	1,100	0.5%	1.1%	0.9%	0.9%

Source: UK Business Counts

Presented by: Kent Analytics, Kent County Council

## Employees in Manufacturing Industries

The Business Register and Employment Survey (BRES) provides us with estimates of the number of employees by industrial sector. The latest data is for 2020.

### Impact of Coronavirus on 2020 BRES data

The Business Register and Employment Survey (BRES) reference date of 11 September 2020 meant that coronavirus (COVID-19) had a tangible effect on producing estimates. This indicates lower levels of precision than in previous years. The response rate for the 2020 BRES was 72.6%, which was lower than the 2019 BRES response rate of 83.6%. For this reason, figures for 2020 should be considered with caution.

Manufacturing supplies almost two million employee jobs, accounting for 7.7% of all jobs in the country and is strongest in the Midlands and the north of the country.

The North East has the highest number of manufacturing jobs. The West Midlands, has the highest proportion of manufacturing jobs in the country. Five of the nine English regions have seen a decline in manufacturing jobs since 2015.

The South East has the fourth highest number of manufacturing jobs (259,000) accounting for 13.0% of manufacturing jobs in England but has the second lowest proportion in the country (6.3%). It has seen the biggest growth in manufacturing jobs of all the English regions (+7,500 jobs, +3.0%).

**Table 9: Regional manufacturing employee jobs**

Manufacturing jobs			Change 2015-2020	
2020	Number	Percent	No.	%
<b>England</b>	<b>1,998,000</b>	<b>7.7%</b>	<b>-32,000</b>	<b>-1.6%</b>
West Midlands	251,500	12.3%	-16,500	-6.2%
Yorkshire and The Humber	267,000	11.4%	1,000	0.4%
East Midlands	277,000	10.8%	-19,000	-6.4%
North West	103,500	10.0%	-14,000	-11.9%
North East	322,000	9.7%	17,000	5.6%
South West	210,500	8.5%	1,500	0.7%
East	193,000	6.9%	-9,500	-4.7%
<b>South East</b>	<b>259,000</b>	<b>6.3%</b>	<b>7,500</b>	<b>3.0%</b>
London	113,500	2.2%	-500	-0.4%

Source: BRES

Presented by: Kent Analytics, Kent County Council

As of 2020 there were an estimated 37,500 employee jobs in manufacturing industries in Kent, accounting for 6.1% of all jobs in the county. This is a slightly lower proportion than seen regionally (6.3%) and lower than the national figure of 7.7%.

Swale district had the highest number of manufacturing employees (6,000) accounting for 11.9% of the area's total employee jobs. The lowest proportion was in Canterbury where 3.0% of employee jobs were in manufacturing.

Half of the twelve Kent districts have seen manufacturing employee job growth over recent years. The largest growth was in Folkestone & Hythe (+500 jobs, +28.6%). Swale district saw the biggest reduction with 1,000 fewer manufacturing jobs (-14.3%). Dover and Sevenoaks districts saw no change at all.

**Table 10: Manufacturing employees**

Manufacturing jobs			Change 2015-2020	
2020	Number	Percent	No.	%
Ashford	4,300	7.4%	-500	-10.5%
Canterbury	2,000	3.0%	300	14.3%
Dartford	3,000	5.0%	300	9.1%
Dover	3,000	8.8%	0	0.0%
Folkestone & Hythe	2,300	6.0%	500	28.6%
Gravesham	1,900	5.8%	100	7.1%
Maidstone	3,800	5.0%	-500	-11.8%
Sevenoaks	3,300	6.7%	0	0.0%
Swale	6,000	11.9%	-1,000	-14.3%
Thanet	2,800	6.7%	-500	-15.4%
Tonbridge and Malling	3,300	5.3%	-300	-7.1%
Tunbridge Wells	2,100	4.3%	-900	-29.2%
<b>Kent</b>	<b>37,500</b>	<b>6.1%</b>	<b>-2,000</b>	<b>-5.1%</b>
Medway	7,500	7.8%	500	7.1%
Kent + Medway	45,000	6.3%	-2,000	-4.3%
South East	259,000	6.3%	-1,500	-0.6%
England	1,998,000	7.7%	-41,000	-2.0%

Source: BRES

Presented by: Kent Analytics, Kent County Council

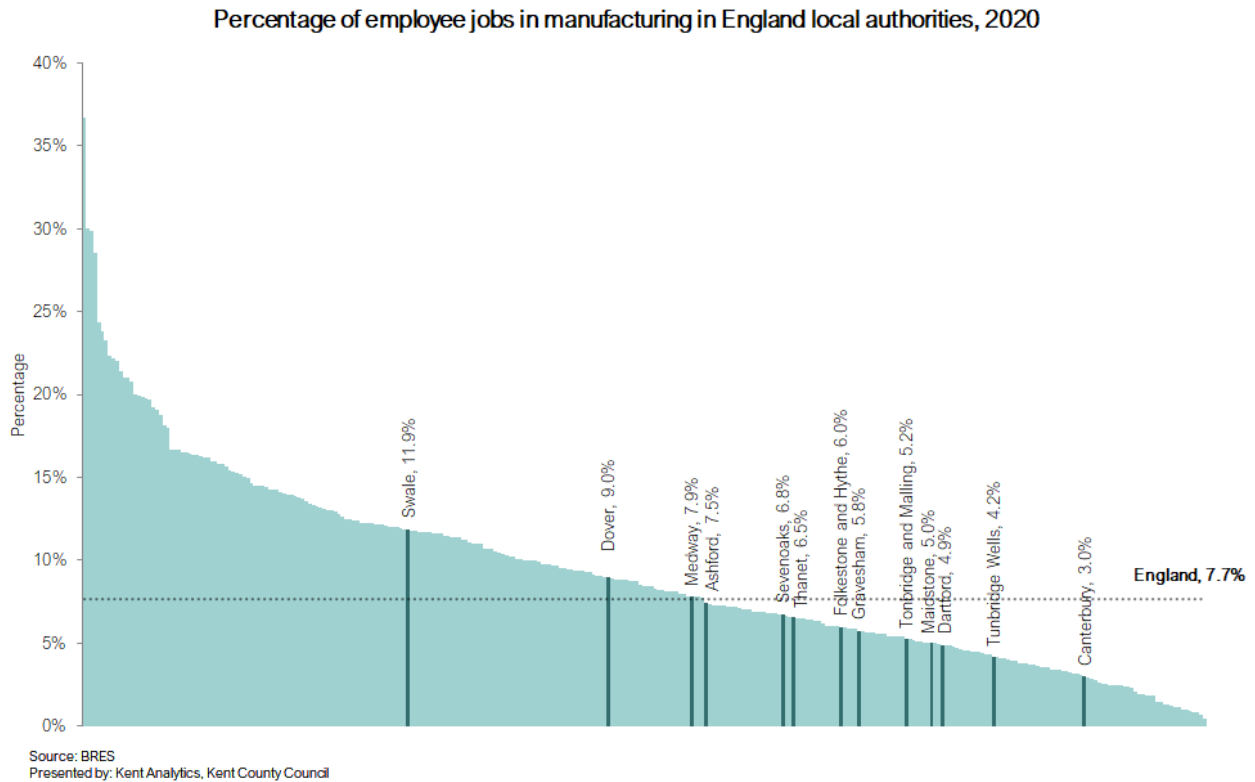
Map 2 shows the proportion of manufacturing jobs in Kent and Medway MSOAs

Compared to other authorities in England, no Kent district is within the top 20% with the highest percentage of employee jobs in manufacturing, these are those areas where the industry provides at least 13.6% of employee jobs. Canterbury and Tunbridge Wells districts are within the bottom 20% of authorities with the lowest (4.4% or less).



With 11.9% of local jobs in manufacturing Swale district is within the top 40% of local authorities (10.0% or more of jobs).

#### Chart 4: Employees in manufacturing in English authorities



A large proportion of manufacturing jobs in Kent (45.3%) are within advanced engineering. The highest number of advanced engineering jobs are in Swale and Sevenoaks.

**Table 11: Makeup of Manufacturing Industry employees**

2020	Number						
	Total Manufacturing	Food & Drink Manufacture	Clothing & Textiles Manufacture	Wood, Leather & Paper Manufacture	Petroleum, Chemicals and Plastics	Advanced Engineering	Other Manufacture
Ashford	4,300	700	100	500	900	1,400	800
Canterbury	2,000	100	100	300	200	1,300	200
Dartford	3,000	500	0	100	700	1,600	100
Dover	3,000	900	0	200	300	1,500	100
Folkestone & Hythe	2,300	100	0	100	400	1,500	300
Gravesham	1,900	0	0	400	400	900	100
Maidstone	3,800	500	0	400	1,100	1,600	200
Sevenoaks	3,300	200	0	600	300	1,900	300
Swale	6,000	1,100	100	600	1,600	2,300	200
Thanet	2,800	200	200	300	600	1,400	300
Tonbridge and Malling	3,300	200	0	900	700	1,300	100
Tunbridge Wells	2,100	500	0	400	500	600	200
<b>Kent</b>	<b>37,500</b>	<b>5,000</b>	<b>600</b>	<b>4,800</b>	<b>7,500</b>	<b>17,000</b>	<b>2,800</b>
Medway	7,500	500	100	900	700	4,800	800
<b>Kent + Medway</b>	<b>45,000</b>	<b>5,500</b>	<b>800</b>	<b>5,500</b>	<b>8,000</b>	<b>21,500</b>	<b>3,500</b>
South East	259,000	22,500	4,000	21,500	38,500	149,000	23,500
<b>England</b>	<b>1,998,000</b>	<b>348,500</b>	<b>58,500</b>	<b>181,000</b>	<b>309,500</b>	<b>971,500</b>	<b>129,000</b>

Source: BRES

Presented by: Kent Analytics, Kent County Council

Food and drink manufacture accounts for a large proportion of manufacturing jobs in Dover (30.0%) and Tunbridge Wells (23.5%); in Tonbridge & Malling and Gravesham wood, leather and paper manufacturing jobs account for 27.7% and 22.7% of manufacturing jobs respectively.

The manufacture of clothing and textiles in Kent accounts for the smallest proportion of manufacturing jobs in the county (1.6%).

This is shown in table 12 (overleaf).

**Table 12: Proportion of manufacturing jobs by manufacturing type**

	% of total manufacturing employees						
	Total Manufacturing	Food & Drink Manufacture	Clothing & Textiles Manufacture	Wood, Leather & Paper Manufacture	Petroleum, Chemicals and Plastics	Advanced Engineering	Other Manufacture
<b>2020</b>							
Ashford	100.0%	15.3%	1.6%	11.2%	21.2%	32.4%	18.8%
Canterbury	100.0%	4.5%	3.5%	15.0%	9.0%	62.5%	9.5%
Dartford	100.0%	16.7%	0.8%	4.3%	21.7%	54.2%	2.3%
Dover	100.0%	30.0%	0.5%	6.7%	10.8%	50.0%	1.7%
Folkestone & Hythe	100.0%	4.0%	0.9%	3.1%	17.8%	66.7%	11.1%
Gravesham	100.0%	0.5%	0.3%	22.7%	21.3%	48.0%	4.8%
Maidstone	100.0%	13.3%	1.1%	10.7%	30.0%	43.3%	4.3%
Sevenoaks	100.0%	7.1%	0.9%	18.5%	8.5%	57.7%	10.0%
Swale	100.0%	18.8%	1.8%	10.0%	27.1%	37.5%	4.0%
Thanet	100.0%	5.8%	6.2%	10.0%	20.0%	50.0%	10.9%
Tonbridge and Malling	100.0%	4.6%	1.4%	27.7%	21.5%	38.5%	4.3%
Tunbridge Wells	100.0%	23.5%	1.2%	17.6%	21.2%	25.9%	8.0%
<b>Kent</b>	<b>100.0%</b>	<b>13.3%</b>	<b>1.6%</b>	<b>12.7%</b>	<b>20.0%</b>	<b>45.3%</b>	<b>7.3%</b>
Medway	100.0%	6.3%	1.5%	11.3%	9.3%	63.3%	10.0%
Kent + Medway	100.0%	12.2%	1.7%	12.2%	17.8%	47.8%	7.8%
South East	100.0%	8.7%	1.5%	8.3%	14.9%	57.5%	9.1%
England	100.0%	17.4%	2.9%	9.1%	15.5%	48.6%	6.5%

Source: BRES

Presented by: Kent Analytics, Kent County Council

When looking in greater detail at the individual industries which make up manufacturing in Kent the manufacture of food products and the manufacture of fabricated metal products make up the highest proportion of manufacturing jobs (11.3% and 17.3% respectively).

This is shown in table 13 (overleaf).

**Table 13: Detailed Manufacturing industry employees**

2020	Kent	Medway	South East	England
<b>Total Manufacturing jobs</b>	<b>37,500</b>	<b>7,500</b>	<b>259,000</b>	<b>1,998,000</b>
<b>Food &amp; Drink Manufacture</b>	<b>13.3%</b>	<b>6.3%</b>	<b>8.7%</b>	<b>17.4%</b>
<i>Manufacture of food products</i>	11.3%	5.3%	7.5%	15.8%
<i>Manufacture of beverages</i>	1.7%	0.7%	1.1%	1.6%
<b>Clothing &amp; Textiles Manufacture</b>	<b>1.6%</b>	<b>1.5%</b>	<b>1.5%</b>	<b>2.9%</b>
<i>Manufacture of textiles</i>	1.0%	0.5%	0.9%	1.8%
<i>Manufacture of wearing apparel</i>	0.6%	0.9%	0.7%	1.1%
<b>Wood, Leather &amp; Paper Manufacture</b>	<b>12.7%</b>	<b>11.3%</b>	<b>8.3%</b>	<b>9.1%</b>
<i>Manufacture of leather &amp; related products</i>	0.3%	0.2%	0.2%	0.3%
<i>Manufacture of wood and products of wood or cork except furniture</i>	3.0%	1.3%	1.9%	2.9%
<i>Manufacture of paper and paper products</i>	4.3%	0.8%	1.4%	2.1%
<i>Printing and reproduction of recorded media</i>	5.0%	9.3%	4.6%	3.9%
<b>Petroleum, Chemicals and Plastics</b>	<b>20.0%</b>	<b>9.3%</b>	<b>14.9%</b>	<b>15.5%</b>
<i>Manufacture of coke and refined petroleum products</i>	0.9%	0.0%	0.8%	0.3%
<i>Manufacture of chemicals and chemical products</i>	5.0%	0.6%	3.5%	3.5%
<i>Manufacture of basic pharmaceutical products and preparations</i>	1.7%	0.0%	2.3%	1.7%
<i>Manufacture of rubber and plastic products</i>	5.7%	5.0%	4.1%	6.3%
<i>Manufacture of other non metallic mineral products</i>	6.7%	3.3%	4.2%	3.7%
<b>Advanced Engineering</b>	<b>45.3%</b>	<b>63.3%</b>	<b>57.5%</b>	<b>48.6%</b>
<i>Manufacture of basic metals</i>	0.9%	2.9%	0.6%	2.6%
<i>Manufacture of fabricated metal products except machinery &amp; equipment</i>	17.3%	15.0%	16.2%	12.7%
<i>Manufacture of computer, electronic &amp; optical products</i>	6.7%	25.0%	11.2%	4.5%
<i>Manufacture of electrical equipment</i>	4.7%	2.7%	4.6%	3.2%
<i>Manufacture of machinery &amp; equipment (not classified elsewhere)</i>	6.0%	12.7%	7.9%	7.3%
<i>Manufacture of motor vehicles, trailers and semi-trailers</i>	4.0%	0.6%	6.4%	7.4%
<i>Manufacture of other transport equipment</i>	0.7%	0.2%	4.1%	5.9%
<i>Repair &amp; installation of machinery &amp; equipment</i>	4.7%	2.7%	6.8%	5.1%
<b>Other Manufacture</b>	<b>7.3%</b>	<b>10.0%</b>	<b>9.1%</b>	<b>6.5%</b>
<i>Manufacture of tobacco products</i>	0.0%	0.0%	0.0%	0.0%
<i>Manufacture of furniture</i>	3.7%	8.7%	3.7%	3.5%
<i>Other manufacturing</i>	4.0%	1.1%	5.4%	3.0%

Source: BRES

Presented by: Kent Analytics, Kent County Council

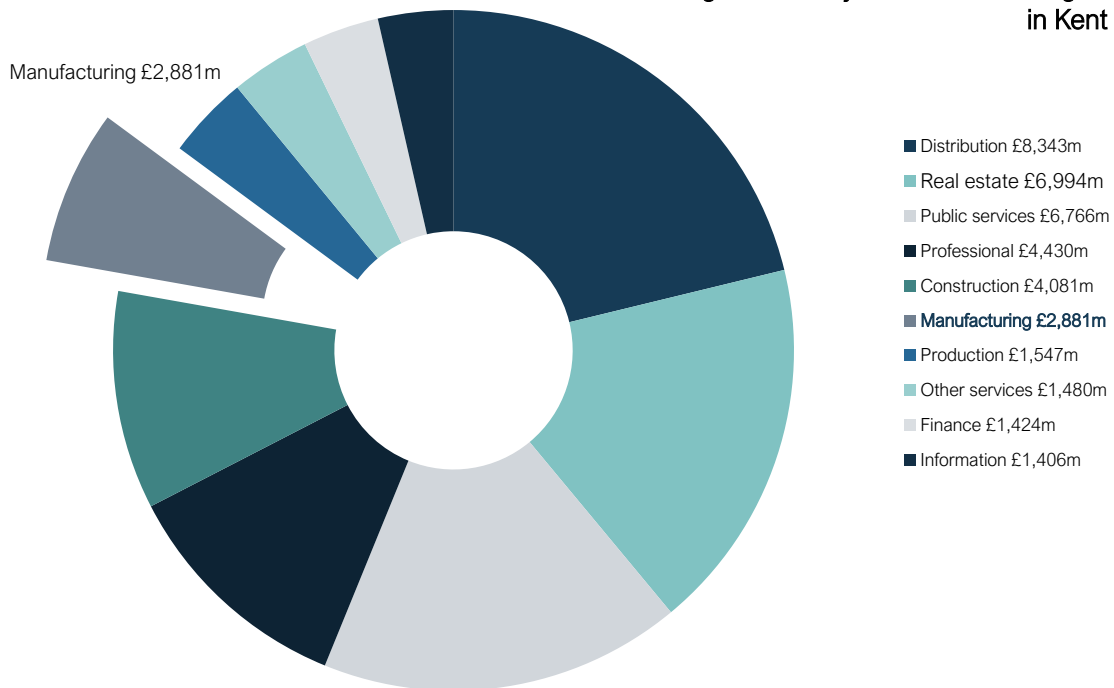
## Manufacturing GVA

Gross Value Added (GVA) is a measure of Output i.e., the value of the goods and services produced in the economy. It is primarily used to monitor the performance of the national economy and is now the measure preferred by the Office for National Statistics (ONS) to measure the overall economic well-being of an area. GVA estimates are available by broad industrial group down to local authority district level. The latest estimates are for 2019.

It is estimated that GVA generated by the manufacturing industry (£2,881m) accounted for 7.3% of the total GVA in Kent in 2019.

## Chart 5: Manufacturing GVA in Kent

GVA generated by the manufacturing industry in Kent 2019

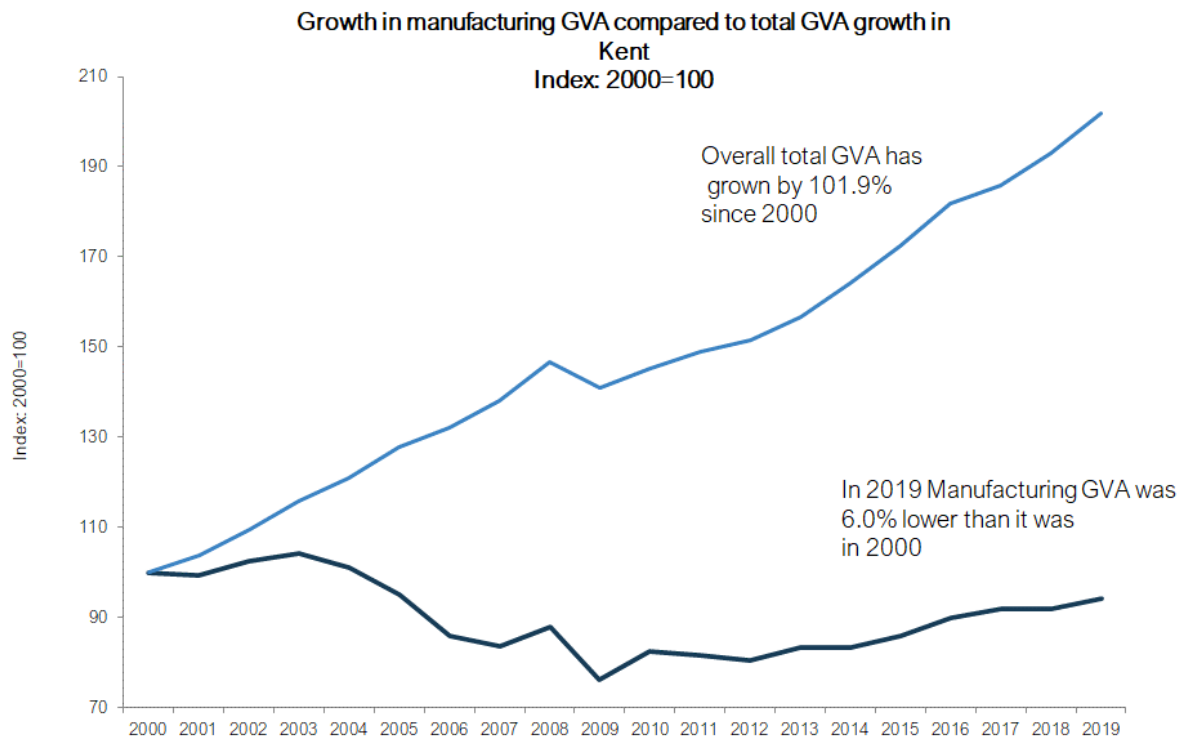


Source: ONS  
Presented by: Kent Analytics, Kent County Council

Manufacturing GVA in Kent has fallen considerably since 2000. By setting the same starting point for both manufacturing and total GVA (2000=100) we can more clearly see the differences in growth.

Overall, Kent manufacturing GVA is lower than in 2000. Although there has been growth since 2012, it has not grown as strongly as total GVA.

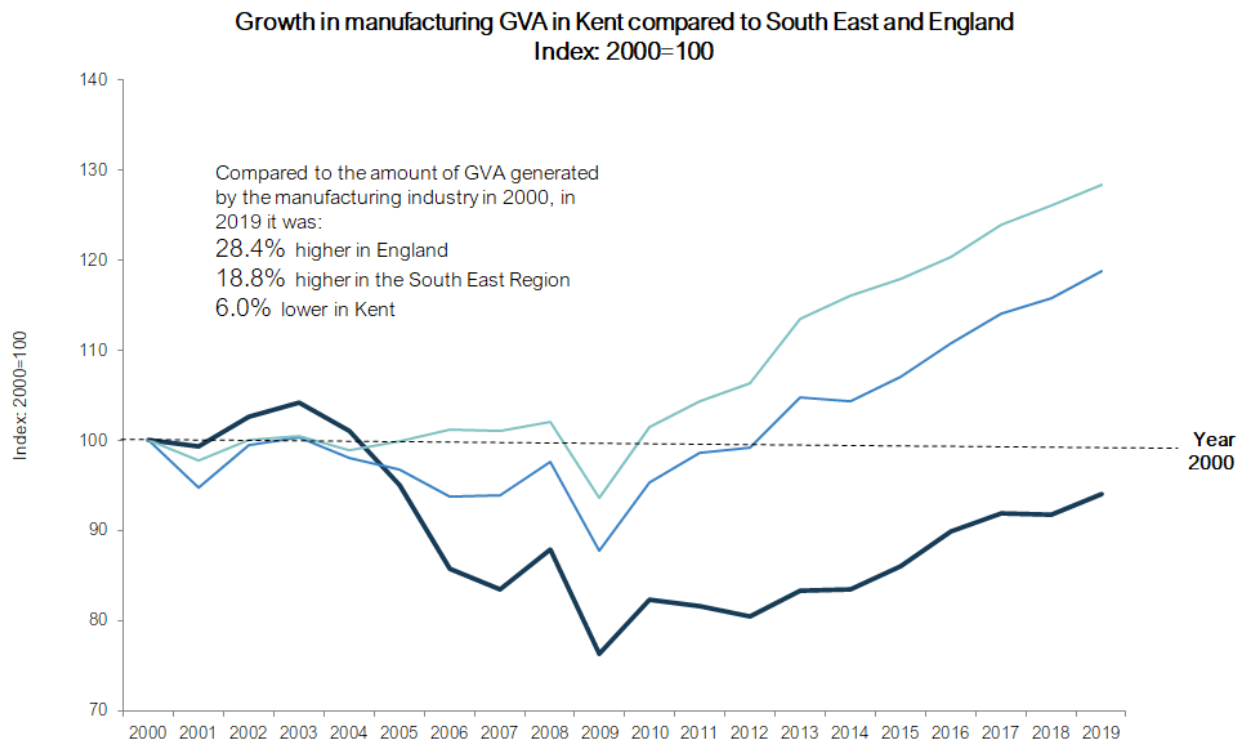
## Chart 6: Growth in manufacturing GVA in Kent



Source: ONS  
Presented by: Kent Analytics, Kent County Council

GVA generated by manufacturing began to decline in Kent in 2004 and continued to decline until 2009. Compared to the South East and England as a whole, Kent's manufacturing GVA growth since the recession in 2008 has been considerably slower. While in recent years it has increased regionally and nationally above its 2000 level, the recovery in Kent has not been as great and it remains lower than it was in 2000 (see chart 7).

## Chart 7: Manufacturing GVA growth in Kent, South East and England



Source: ONS  
Presented by: Kent Analytics, Kent County Council

Table 14 (overleaf) shows that at Kent local authority district level Swale had the highest estimated manufacturing GVA in Kent in 2019 (£485m) accounting for 16.5% of the total GVA within the district and the highest manufacturing GVA per head of population (£3,232).

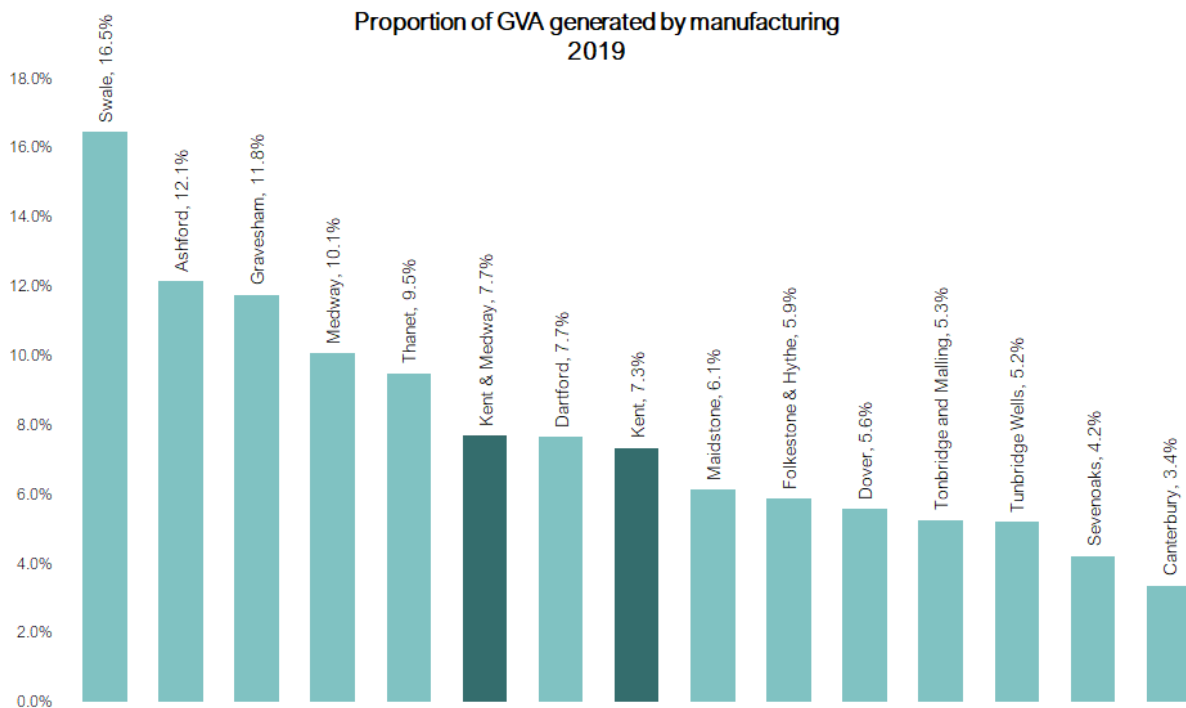
Canterbury had the lowest manufacturing GVA in Kent (£115m) equating to £695 per head of population, and accounting for 3.4% of the total GVA generated within the district.

**Table 14: Manufacturing GVA in Kent local authorities**

2019	Total GVA (£m)	Total GVA per head (£)	Manufacturing GVA (£m)	Manufacturing GVA per head (£)
Ashford	3,247	24,971	394	3,030
Canterbury	3,428	20,726	115	695
Dartford	3,978	35,327	305	2,709
Dover	2,614	22,128	146	1,236
Folkestone & Hythe	2,253	19,939	132	1,168
Gravesham	1,812	16,944	213	1,992
Maidstone	4,507	26,230	276	1,606
Sevenoaks	4,066	33,673	171	1,416
Swale	2,946	19,629	485	3,232
Thanet	2,229	15,706	211	1,487
Tonbridge and Malling	4,680	35,413	246	1,861
Tunbridge Wells	3,584	30,188	187	1,575
<b>Kent</b>	<b>39,344</b>	<b>24,877</b>	<b>2,881</b>	<b>1,822</b>
Medway	5,866	21,060	590	2,118
Kent & Medway	45,211	24,306	3,471	1,866
South East	291,770	31,783	23,366	2,545
England	1,702,078	30,239	160,166	2,846

Source: ONS

Presented by: Kent Analytics, Kent County Council

**Chart 8: Percentage of GVA generated by manufacturing in Kent**


Source: ONS

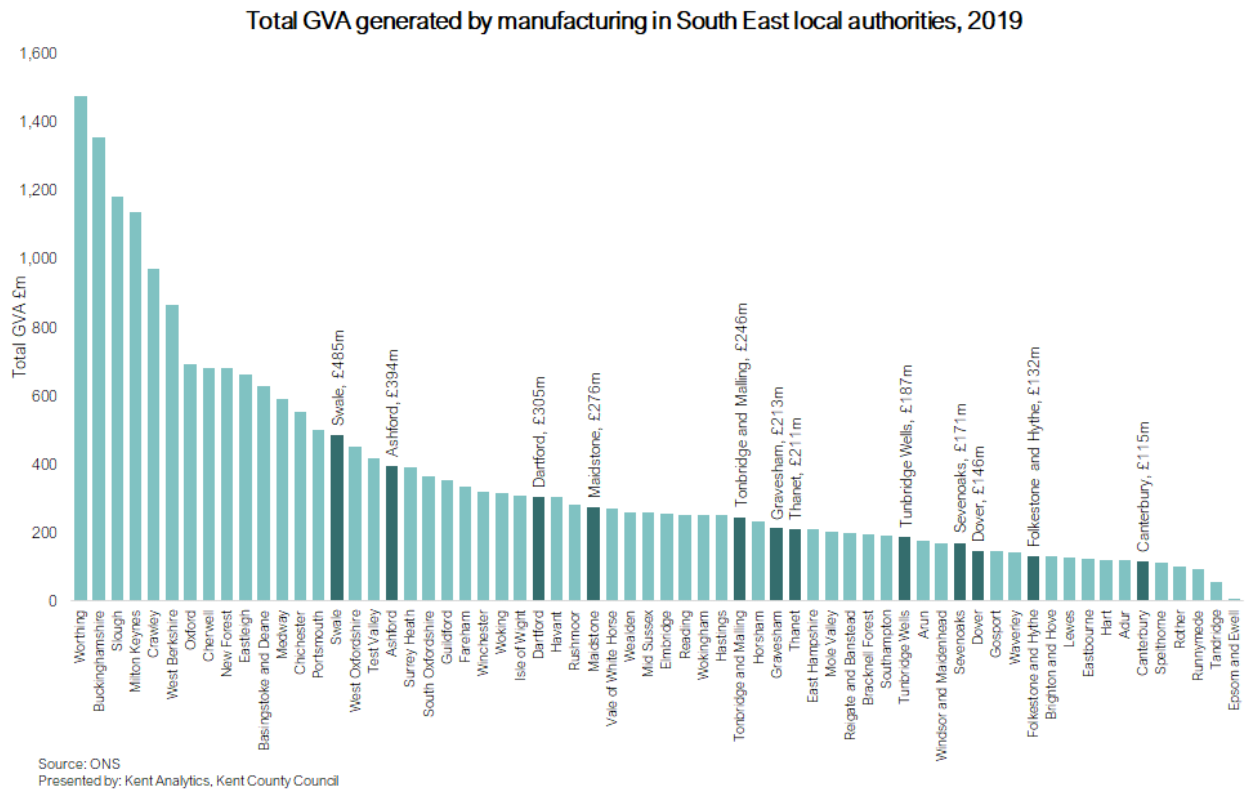
Presented by: Kent Analytics, Kent County Council



Chart 9 shows manufacturing GVA in all local authorities in the South East.

No Kent authority is within the top 20% of authorities in the South East with the highest manufacturing GVA (those generating £533m or more). Canterbury had the sixth lowest manufacturing GVA in the region.

### Chart 9: GVA generated by manufacturing in the South East



## Manufacturing Industry Occupations

Information about the occupations in which residents work is available from the 2011 Census from ONS. This enables us to look at some industry specific occupations related to Manufacturing. The data gives us information based upon residence or workplace i.e., it can tell us about people who work in an area (but may not necessarily live there) and people who live in an area (but may not necessarily live there).

7.0% of population working in Kent worked in manufacturing occupations at the time of the Census.

Swale district had the highest number (6,635) and proportion (12.7%) of workers working in manufacturing occupations in Kent.

Table 16 shows the occupational groups of workers working in manufacturing. A higher proportion (23.6%) of manufacturing workers in Kent were working in skilled trades occupations than the national average (22.5%).

These occupations include metal forming, machining and fitting, metal instrument making, textiles and printing trades and skilled food preparation.

**Table 15: Employment in Manufacturing occupations, 2011 – workplace based**

<b>2011 Census</b>	<b>All in employment</b>	<b>Employed in manufacturing</b>	<b>% employed in manufacturing</b>
Ashford	54,618	5,035	9.2%
Canterbury	66,713	2,868	4.3%
Dartford	54,972	3,369	6.1%
Dover	43,282	3,179	7.3%
Folkestone and Hythe	44,250	1,948	4.4%
Gravesham	32,015	2,472	7.7%
Maidstone	76,795	4,358	5.7%
Sevenoaks	46,402	3,471	7.5%
Swale	52,439	6,635	12.7%
Thanet	47,538	3,506	7.4%
Tonbridge and Malling	60,126	4,502	7.5%
Tunbridge Wells	54,985	2,765	5.0%
<b>Kent</b>	<b>634,135</b>	<b>44,108</b>	<b>7.0%</b>
Medway	98,648	8,340	8.5%
Kent & Medway	732,783	52,448	7.2%
South East	4,063,350	306,762	7.5%
England	25,087,843	2,214,020	8.8%

Source: 2011 Census; Table WP6604EW - Occupation by Industry  
Presented by: Kent Analytics, Kent County Council

**Table 16: Occupations of those working in Manufacturing industry, 2011 – workplace based**

2011 Census	Kent	Medway	South East	England
<b>Total manufacturing occupations</b>	<b>44,108</b>	<b>8,340</b>	<b>306,762</b>	<b>2,214,020</b>
<i>Managers, directors and senior officials</i>	12.8%	10.6%	13.9%	11.9%
<i>Professional occupations</i>	8.3%	13.5%	13.3%	10.0%
<i>Associate professional and technical occupations</i>	12.1%	13.4%	14.7%	11.5%
<i>Administrative and secretarial occupations</i>	9.1%	8.0%	9.2%	7.9%
<i>Skilled trades occupations</i>	23.6%	24.5%	21.4%	22.5%
<i>Caring, leisure and other service occupations</i>	0.7%	0.6%	0.6%	0.6%
<i>Sales and customer service occupations</i>	2.5%	1.8%	2.5%	2.2%
<i>Process, plant and machine operatives</i>	21.2%	18.8%	17.2%	24.0%
<i>Elementary occupations</i>	9.7%	8.8%	7.1%	9.4%

Source: 2011 Census; Table WP6604EW - Occupation by Industry  
Presented by: Kent Analytics, Kent County Council

As of 2011 6.7% of the working population of Kent were working in manufacturing industry occupations, below the national average of 8.9%. Swale district had the highest number working in manufacturing (6,526) accounting for 10.3% of residents in employment.

Folkestone and Hythe had the fewest residents working in manufacturing (2,526).

Table 17 overleaf shows the number and proportion of Kent residents who were employed in manufacturing as of the time of the 2011 Census. This is based on where the person lives and not where they work.

**Table 17: Employment in Manufacturing occupations, 2011 – residence based**

<b>2011 Census</b>	<b>All in employment</b>	<b>Employed in manufacturing</b>	<b>% employed in manufacturing</b>
Ashford	57,956	5,018	8.7%
Canterbury	66,079	3,382	5.1%
Dartford	49,818	3,230	6.5%
Dover	50,716	2,968	5.9%
Folkestone and Hythe	48,639	2,526	5.2%
Gravesham	47,868	3,593	7.5%
Maidstone	78,511	5,198	6.6%
Sevenoaks	56,499	3,195	5.7%
Swale	63,118	6,526	10.3%
Thanet	55,589	4,156	7.5%
Tonbridge and Malling	60,326	4,107	6.8%
Tunbridge Wells	57,630	2,825	4.9%
<b>Kent</b>	<b>692,749</b>	<b>46,724</b>	<b>6.7%</b>
Medway	127,127	9,660	7.6%
Kent & Medway	819,876	56,384	6.9%
South East	4,288,569	308,974	7.2%
England	25,308,888	2,242,259	8.9%

Source: 2011 Census; Table DC6604EW - Occupation by Industry  
Presented by: Kent Analytics, Kent County Council

Table 18 shows the occupational groups of Kent residents working in manufacturing. A higher proportion (23.7%) were working in skilled trades occupations than the national average (22.5%).

These occupations include metal forming, machining and fitting, metal instrument making, textiles and printing trades and skilled food preparation.

**Table 18: Occupations of those working in Manufacturing industry, 2011 – residence based**

2011 Census	Kent	Medway	South East	England
<b>Total manufacturing occupations</b>	<b>46,724</b>	<b>9,660</b>	<b>308,974</b>	<b>2,242,259</b>
<i>Managers, directors and senior officials</i>	13.6%	9.6%	14.5%	11.9%
<i>Professional occupations</i>	9.2%	10.1%	13.1%	10.0%
<i>Associate professional and technical occupations</i>	12.5%	12.7%	14.4%	11.4%
<i>Administrative and secretarial occupations</i>	9.0%	8.2%	9.3%	7.9%
<i>Skilled trades occupations</i>	23.7%	26.2%	21.6%	22.5%
<i>Caring, leisure and other service occupations</i>	0.7%	0.7%	0.6%	0.6%
<i>Sales and customer service occupations</i>	2.4%	1.9%	2.4%	2.2%
<i>Process, plant and machine operatives</i>	20.0%	21.1%	17.0%	24.0%
<i>Elementary occupations</i>	9.0%	9.7%	7.0%	9.4%

Source: 2011 Census; Table DC6604EW - Occupation by Industry  
Presented by: Kent Analytics, Kent County Council

## Qualifications

Information about the highest level of qualifications held by people who work in Kent is available from the 2011 Census from ONS. The data gives us information based upon workplace and industry.

The level of qualifications as used in the 2011 Census are:

- **Level 1** - 1-4 O Levels/CSE/GCSEs (any grades), Entry Level, Foundation Diploma, NVQ Level 1, Foundation GNVQ, Basic/Essential Skills.
- **Level 2** - 5+ O Level (Passes)/CSEs (Grade 1)/GCSEs (Grades A\*-C), School Certificate, 1 A Level/ 2-3 AS Levels/VCEs, Intermediate/Higher Diploma, Welsh Baccalaureate Intermediate Diploma, NVQ level 2, Intermediate GNVQ, City and Guilds Craft, BTEC First/General Diploma, RSA Diploma.
- **Level 3** - 2+ A Levels/VCEs, 4+ AS Levels, Higher School Certificate, Progression/Advanced Diploma, Welsh Baccalaureate Advanced Diploma, NVQ Level 3; Advanced GNVQ, City and Guilds Advanced Craft, ONC, OND, BTEC National, RSA Advanced Diploma.
- **Level 4 and above** - Degree (for example BA, BSc), Higher Degree (for example MA, PhD, PGCE), NVQ Level 4-5, HNC, HND, RSA Higher Diploma, BTEC Higher level, Foundation degree (NI), Professional qualifications (for example teaching, nursing, accountancy).
- **Apprenticeships and other qualifications** - Apprenticeship, Vocational/Work-related Qualifications, Foreign Qualifications (not stated/level unknown).

20.4% of people working in manufacturing in Kent were qualified to level 4 and above, below the national average of 23.9% and the regional average of 30%.

A higher proportion have lower qualifications (up to level 2) than seen nationally.

The qualifications of people working in manufacturing in Kent, Medway, the South East and England are shown in table 19.

**Table 19: People working in manufacturing by highest qualification – workplace based**

	Kent	Medway	South East	England
<b>Highest level of qualification</b>	<b>44,108</b>	<b>8,340</b>	<b>306,762</b>	<b>2,214,020</b>
<i>No qualifications</i>	14.8%	14.1%	11.5%	15.1%
<i>Level 1 qualifications</i>	19.0%	18.0%	16.0%	16.9%
<i>Level 2 qualifications</i>	17.0%	14.9%	14.8%	15.5%
<i>Level 3 qualifications</i>	13.3%	12.5%	13.5%	13.4%
<i>Level 4 qualifications and above</i>	20.4%	23.9%	30.0%	23.9%
<i>Apprenticeships and other qualifications</i>	15.4%	16.6%	14.2%	15.3%

Source: 2011 Census; Table WP6503EW - Industry by highest level of qualification  
Presented by: Kent Analytics, Kent County Council

## Apprenticeships in Engineering and Manufacturing Technologies

The Department for Education (DfE) publishes figures on apprenticeship participation and achievements by sector subject area. Participation is counted as the number of people who have attended one day or more in the given academic year. Achievements is counted as the numbers of learners who successfully complete an individual apprenticeship in an academic year.

This bulletin presents three levels of apprenticeship:

- Intermediate - equivalent or 5 GCSE passes
- Advanced – equivalent to 2 passes at A-Level. The apprentice would generally need experience of working in the industry
- Higher - equivalent to a foundation degree, a Higher National Certificate (HNC), or the first year of an undergraduate degree up to a full degree. An apprentice would have to already show a high level of education e.g., have completed an advanced apprenticeship; have 2 passes at A level; have a BTEC qualification.

The latest annual data available is for academic year 2018/19.

2,682 people in Kent over the age of 16 participated in an apprenticeship in engineering and manufacturing technologies in 2018/19. From 2017/18 the numbers participating in an

advanced or a higher apprenticeship increased while those participating in an intermediate apprenticeship fell.

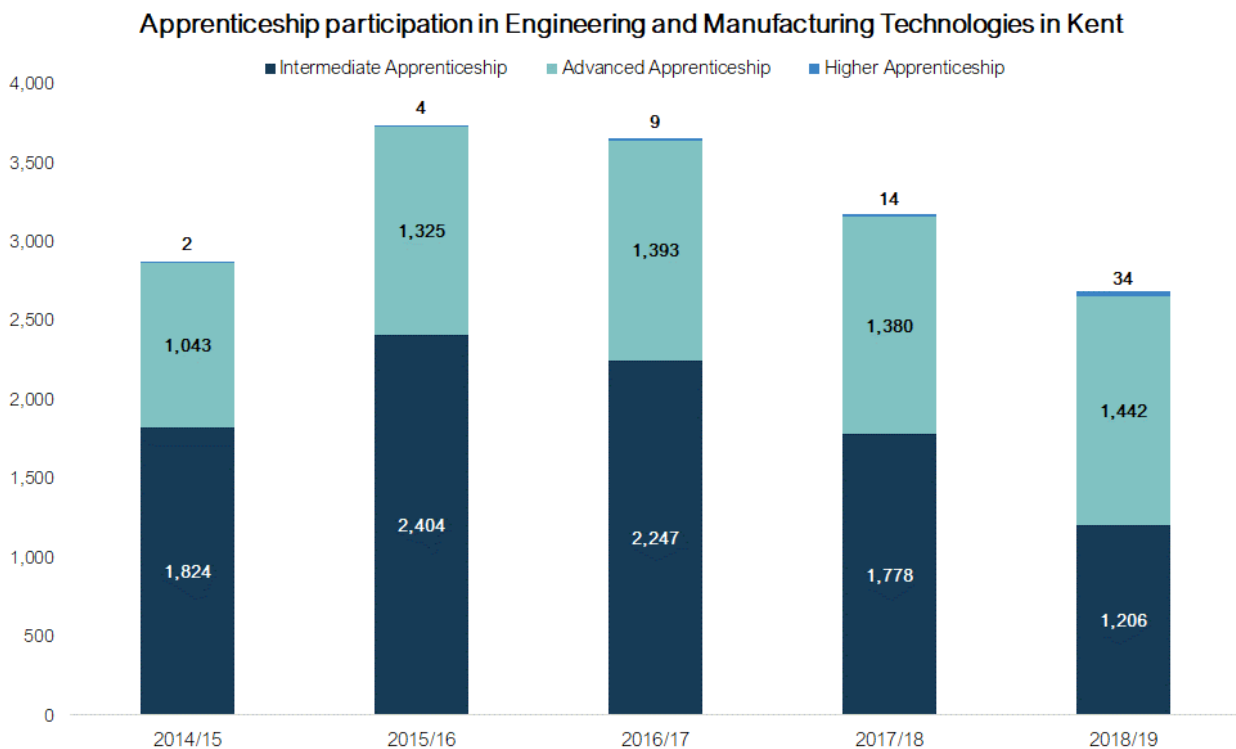
**Table 20: Engineering and Manufacturing Technologies apprenticeship participation**

Kent	2014/15	2015/16	2016/17	2017/18	2018/19
<b>total</b>	<b>2,869</b>	<b>3,733</b>	<b>3,649</b>	<b>3,172</b>	<b>2,682</b>
Intermediate Apprenticeship	1,824	2,404	2,247	1,778	1,206
Advanced Apprenticeship	1,043	1,325	1,393	1,380	1,442
Higher Apprenticeship	2	4	9	14	34
Intermediate Apprenticeship	63.6%	64.4%	61.6%	56.1%	45.0%
Advanced Apprenticeship	36.4%	35.5%	38.2%	43.5%	53.8%
Higher Apprenticeship	0.1%	0.1%	0.2%	0.4%	1.3%

Source: Department for Education

Presented by: Kent Analytics, Kent County Council

**Chart 10: Engineering and Manufacturing Technologies apprenticeship participation in Kent**



Source: Department for Education

Presented by: Kent Analytics, Kent County Council

Table 21 shows the apprenticeship participation in Kent districts.

In 2018/19 Maidstone had the highest number of people participating in an apprenticeship in engineering and manufacturing technologies (335) and accounted for 12.5% of all Kent engineering and manufacturing technologies apprenticeships.

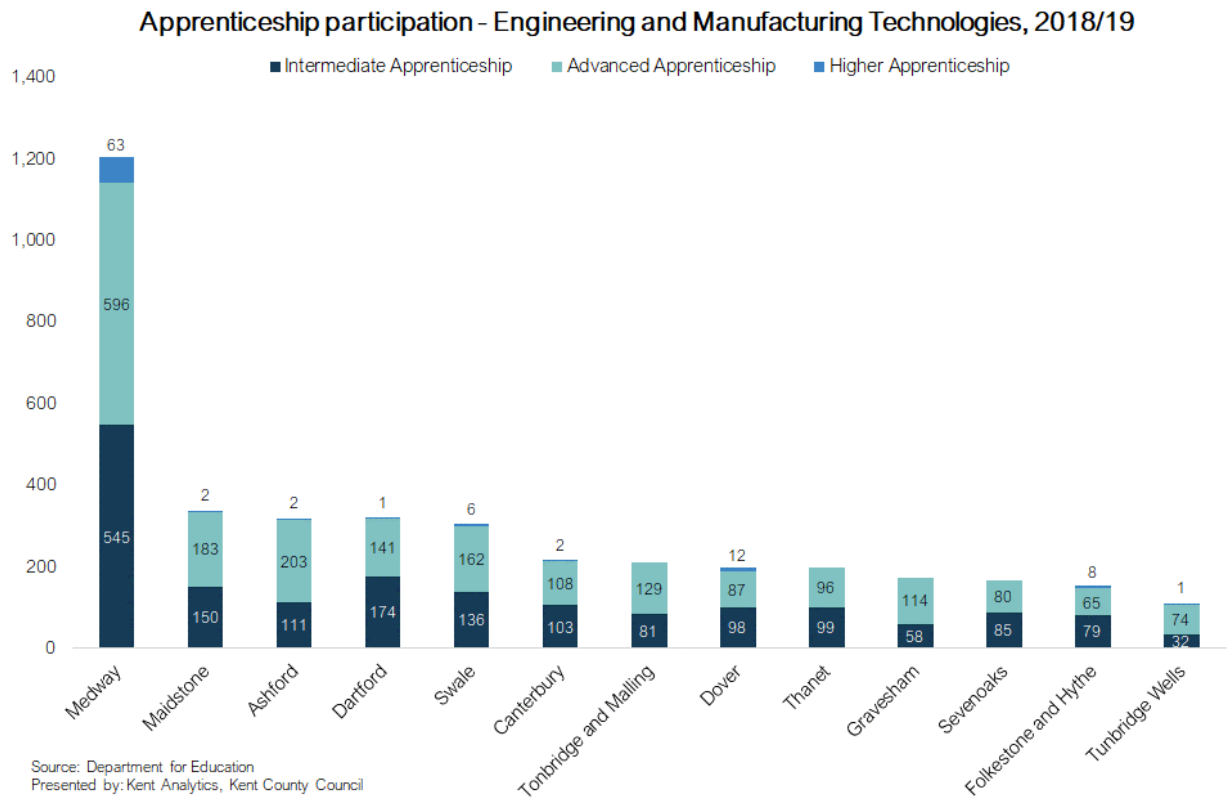
**Table 21: Engineering and Manufacturing Technologies apprenticeship participation**

	2014/15	2015/16	2016/17	2017/18	2018/19
Ashford	470	374	245	266	316
Canterbury	198	230	199	170	213
Dartford	515	1,210	1,039	833	316
Dover	140	194	217	176	197
Folkestone and Hythe	112	121	116	103	152
Gravesham	125	111	167	154	172
Maidstone	307	341	334	330	335
Sevenoaks	110	133	146	147	165
Swale	266	284	414	391	304
Thanet	344	382	380	217	195
Tonbridge and Malling	197	257	294	287	210
Tunbridge Wells	85	96	98	98	107
<b>Kent</b>	<b>2,869</b>	<b>3,733</b>	<b>3,649</b>	<b>3,172</b>	<b>2,682</b>
Medway	1,039	1,053	1,017	1,106	1,204

Source: Department for Education

Presented by: Kent Analytics, Kent County Council

**Chart 11: Engineering and Manufacturing Technologies apprenticeship participation in Kent districts**





While participation in engineering and manufacturing technologies apprenticeships increased in Kent the number of apprenticeship achievements fell over the previous year. In 2018/19 there were 652 engineering and manufacturing technologies apprenticeship achievements in Kent, down from 908 the previous year.

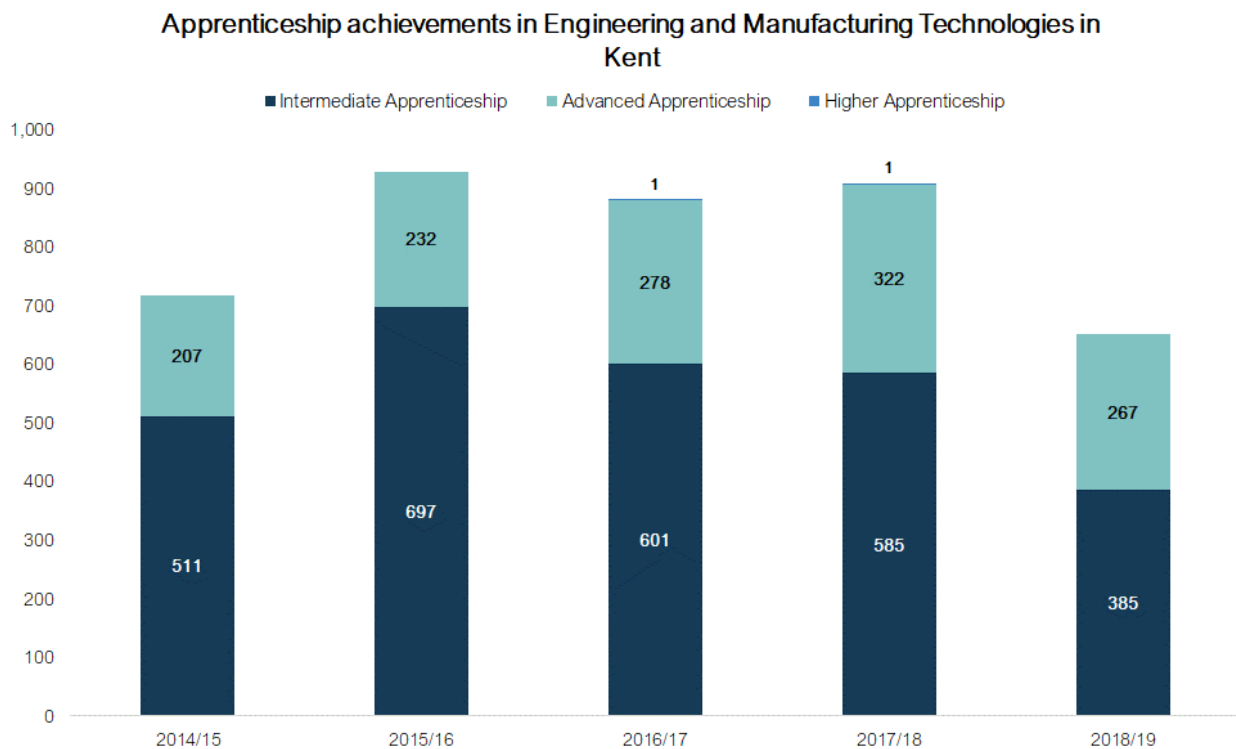
**Table 22: Engineering and Manufacturing Technologies apprenticeship achievements**

Kent	2014/15	2015/16	2016/17	2017/18	2018/19
<b>total</b>	<b>718</b>	<b>929</b>	<b>880</b>	<b>908</b>	<b>652</b>
Intermediate Apprenticeship	511	697	601	585	385
Advanced Apprenticeship	207	232	278	322	267
Higher Apprenticeship	0	0	1	1	0
Intermediate Apprenticeship	71.2%	75.0%	68.3%	64.4%	59.0%
Advanced Apprenticeship	28.8%	25.0%	31.6%	35.5%	41.0%
Higher Apprenticeship	0.0%	0.0%	0.1%	0.1%	0.0%

Source: Department for Education

Presented by: Kent Analytics, Kent County Council

**Chart 12: Engineering and Manufacturing Technologies apprenticeship achievements in Kent**



Source: Department for Education

Presented by: Kent Analytics, Kent County Council

Table 23 and chart 13 show the number of apprenticeship achievements in engineering and manufacturing technologies in Kent districts and Medway in 2018/19.

Ashford district saw the highest number of apprenticeship achievements (83) in engineering and manufacturing technologies in 2018/19. This accounted for almost a 12.7% of all Kent engineering and manufacturing technologies apprenticeships.

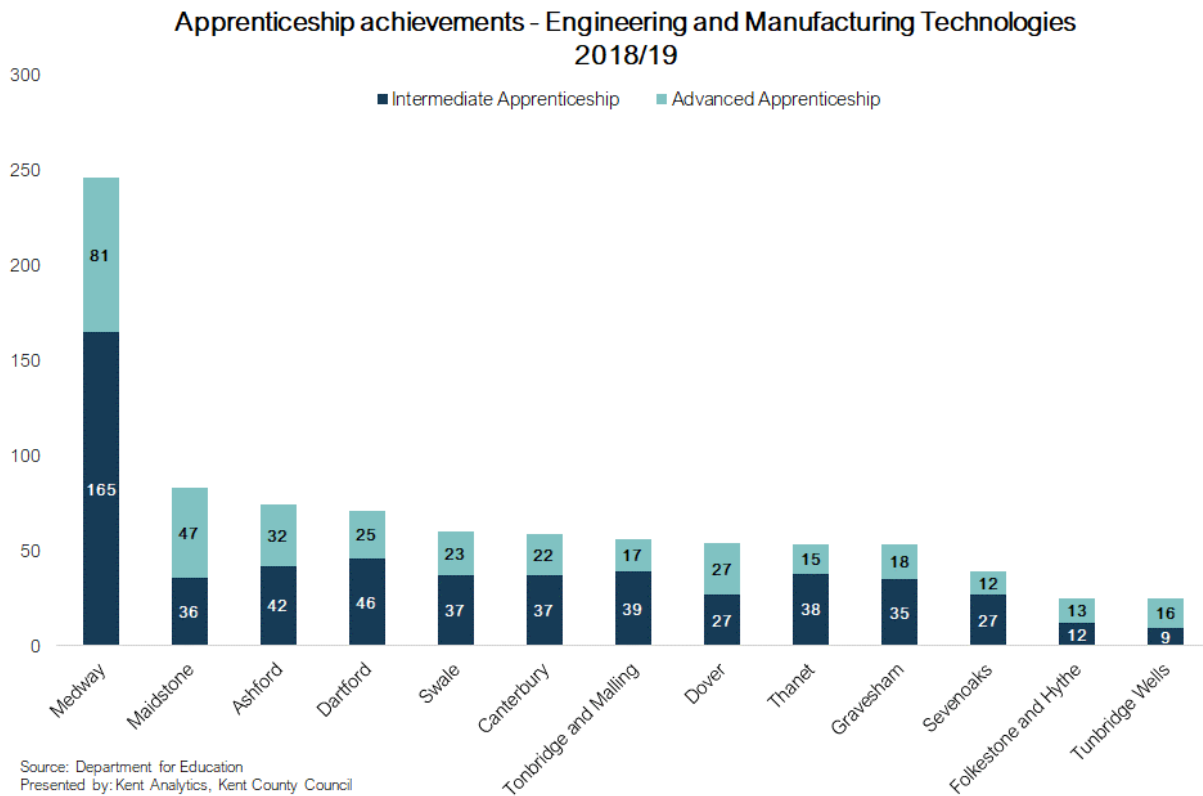
**Table 23: Engineering and Manufacturing Technologies apprenticeship achievements**

	2014/15	2015/16	2016/17	2017/18	2018/19
Ashford	117	176	49	66	83
Canterbury	28	75	80	47	56
Dartford	89	186	229	185	74
Dover	34	42	62	28	59
Folkestone and Hythe	25	36	31	33	53
Gravesham	41	22	36	41	25
Maidstone	75	78	45	86	54
Sevenoaks	32	20	37	38	39
Swale	92	72	97	164	71
Thanet	121	152	120	114	60
Tonbridge and Malling	42	50	67	81	53
Tunbridge Wells	22	20	27	25	25
<b>Kent</b>	<b>718</b>	<b>929</b>	<b>880</b>	<b>908</b>	<b>652</b>
Medway	321	306	207	227	246

Source: Department for Education

Presented by: Kent Analytics, Kent County Council

## Chart 13: Engineering and Manufacturing Technologies apprenticeship achievements in Kent districts





## Manufacturing Industries in Kent

### Related Documents

*For more information on the economy in Kent please visit our webpages*

[Economy and Employment](#)

These include information about Business in Kent, Business Sectors, Earnings and Income, Employment, Unemployment and Kent's workforce

**NOTE:** *within this bulletin 'Kent' refers to the Kent County Council (KCC) area which excludes Medway*

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**This bulletin looks at the number of manufacturing enterprises in Kent. It also looks at the number of employee jobs, the value generated by manufacturing (GVA), occupational structure and graduates who find employment in the industry in Kent.**

### Summary

- 5.0% of businesses in Kent as at 2019 were manufacturing based enterprises, equal to the England average
- Maidstone district has the highest number of manufacturing businesses (365). Swale has the highest proportion at 7.0%
- Almost half of the manufacturing businesses in Kent are involved with advanced engineering
- There were an estimated 40,000 employee jobs in manufacturing industries in Kent in 2018 (6.6% of all jobs) 45% of which are in advanced engineering
- Manufacturing generated an estimated £3,359m GVA in Kent & Medway in 2018
- 6.7% of the working population were working in manufacturing industry occupations as at 2011, 23.7% of which were in skilled trades occupations
- 205 graduate leavers found employment in manufacturing in Kent & Medway in 2016/17

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## **Introduction**

The manufacturing sector is defined as the fabrication, processing, or preparation of products from raw materials and commodities. This includes the manufacture of food and drink, clothing and textiles, wood, leather and paper, petroleum, chemicals and plastics, advanced engineering and any other form of manufacture. The manufacturing sector used in this bulletin is defined using the 2007 Standard Industrial Classification (2007SIC).

This bulletin looks at the number of enterprises, employee jobs, the GVA created, occupations within the industry and the number of graduates finding employment in manufacturing.

## **Enterprises**

The number of manufacturing enterprises comes from information from the UK Business Counts dataset produced by the Office for National Statistics (ONS). The UK Business Counts dataset is an extract compiled from the Inter Departmental Business Register (IDBR) which contains information on VAT traders and PAYE employers. The UK Business Counts dataset records the number of enterprises that were live at a reference date in March each year giving a snap shot of businesses that were live at this point in time. It is broken down by size band, industry, turnover and age of business. Further information about the methodology used for producing these data is available from the [Office for National Statistics](#).

## **Employee jobs**

The number of employee jobs in the manufacturing sector comes from information from the Business Register and Employment Survey (BRES) produced by the ONS. The BRES is a sample survey which collects employment information from businesses across the whole of the Great Britain economy for each site that they operate. The survey covers all businesses in Great Britain registered for VAT and/or PAYE. BRES does not cover the very small businesses neither registered for VAT nor PAYE, neither does it include self employed workers unless they are registered for VAT or PAYE.

The data provides us with an estimate of employee jobs and total employment (number of employees plus the number of working owners)

BRES is a sample survey and produces estimated employment figures. These estimates are of a good quality at higher levels of geography (for example region), however the quality of the estimates deteriorates as the geographies get smaller. This should be taken into account when considering the quality of county and district estimates.

The survey provides us with estimates of employees by industrial sector. The manufacturing sector used in this bulletin is defined using the 2007 Standard

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Industrial Classification (2007SIC). Detailed information about the types of industry which make up each of the industrial sectors is available from the [UK Standard Industrial Classification of Economic Activities](#) published by the Office for National Statistics.

### **GVA**

This bulletin looks at GVA generated by the manufacturing industry.

Gross Value Added (GVA) is a measure of Output i.e. the value of the goods and services produced in the economy. It is primarily used to monitor the performance of the national economy and is the measure preferred by the Office for National Statistics (ONS) to measure the overall economic well-being of an area. GVA estimates are available by broad industrial group down to local authority district level and are available for the years 1998 to 2018. This bulletin presents data from 2000 onwards.

More information is available about GVA estimates from the [Office For National Statistics](#).

### **Occupations**

Detailed information about the occupations and the industries in which residents work is available from the 2011 Census from ONS. This dataset gives us information about the occupations of Kent residents who were in employment at the time of the Census (27 March 2011). This data will not be updated until after the next census in 2021.

### **Qualification**

Information about the highest qualification held by workers by industry is also available from the 2011 Census. This dataset gives us information about the qualifications held by people working in manufacturing in Kent.

### **Graduates finding employment**

Lastly, this bulletin looks at the number of graduates who found employment in manufacturing industries in Kent and Medway.

The graduate data is taken from the Destinations of Leavers from Higher Education (DLHE). This is an annual survey conducted by the Higher Education Statistics Agency (HESA). This survey is undertaken on completion of their course of study and is voluntary. Although the survey is on a voluntary basis, there is a consistently high response rate each year of around 85% of all leavers. All data is rounded to the nearest 5.

### **Maps**

Data in this bulletin is also presented in Middle Layer Super Output Area (MSOA) maps. MSOAs are a geographic hierarchy designed to improve the reporting of small area statistics in England and Wales.

## Manufacturing Industry Enterprises

The UK Business Counts dataset records the number of enterprises that were live as at March each year, giving a snapshot of businesses that were operating at this point in time. It is broken down by size band, industry and turnover.

All numbers are rounded at source. Values may be rounded down to zero and so all zeros are not necessarily true zeros. Totals across tables may differ by minor amounts due to the disclosure methods used.

5.0% of enterprises in England were manufacturing enterprises as at 2019.

16.0% of all the manufacturing enterprises in the country can be found in the South East region, however manufacturing accounts for a smaller proportion of enterprise in the South East than all other regions with the exception of London.

**Table 1: Manufacturing enterprises by region**

2019	Number	% of all manufacturing enterprises in England
<b>England</b>	<b>117,785</b>	<b>100%</b>
South East	18,815	16.0%
North West	14,960	12.7%
West Midlands	14,525	12.3%
East	14,350	12.2%
London	14,030	11.9%
South West	12,395	10.5%
Yorkshire and The Humber	12,195	10.4%
East Midlands	12,135	10.3%
North East	4,375	3.7%

*Source: UK Business Counts*

*Presented by: Strategic Commissioning - Analytics, Kent County Council*

The number of manufacturing enterprises has increased nationally by 7.6% over the last five years. It has increased in all regions of the country. The largest growth was in London (+14.2%).



**Table 2: Change in manufacturing enterprises by region**

Manufacturing enterprises			Change since last year		5 year change	
2019	Number	%	Number	%	Number	%
<b>England</b>	<b>117,785</b>	<b>5.0%</b>	<b>905</b>	<b>0.8%</b>	<b>8,275</b>	<b>7.6%</b>
West Midlands	14,525	6.8%	-40	-0.3%	610	4.4%
East Midlands	12,135	6.7%	35	0.3%	710	6.2%
Yorkshire and The Humber	12,195	6.6%	5	0.0%	745	6.5%
North East	4,375	6.2%	15	0.3%	440	11.2%
North West	14,960	5.6%	130	0.9%	1,105	8.0%
South West	12,395	5.3%	90	0.7%	790	6.8%
East	14,350	5.3%	285	2.0%	1,035	7.8%
<b>South East</b>	<b>18,815</b>	<b>4.5%</b>	<b>90</b>	<b>0.5%</b>	<b>1,085</b>	<b>6.1%</b>
London	14,030	2.7%	295	2.1%	1,745	14.2%

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

Kent had the same proportion of manufacturing enterprises as England as at March 2019. 3,120 manufacturing enterprises accounted for 5.0% of all enterprises in Kent.

Maidstone district had the highest number of manufacturing enterprises (365) while Swale district had the highest proportion (7.0%, 345 enterprises).

**Table 3: Manufacturing enterprises**

2019	Total enterprises	Manufacturing enterprises		Change since last year		5 year change	
	Number	Number	%	Number	%	Number	%
Ashford	6,445	330	5.1%	0	0.0%	-5	-1.5%
Canterbury	5,350	240	4.5%	10	4.3%	30	14.3%
Dartford	4,450	210	4.7%	-10	-4.5%	-5	-2.3%
Dover	3,480	180	5.2%	10	5.9%	10	5.9%
Folkestone & Hythe	3,750	170	4.5%	5	3.0%	25	17.2%
Gravesham	3,910	200	5.1%	5	2.6%	30	17.6%
Maidstone	7,490	365	4.9%	-5	-1.4%	20	5.8%
Sevenoaks	6,770	320	4.7%	10	3.2%	0	0.0%
Swale	4,955	345	7.0%	20	6.2%	45	15.0%
Thanet	3,955	245	6.2%	5	2.1%	45	22.5%
Tonbridge and Malling	5,935	260	4.4%	-10	-3.7%	20	8.3%
Tunbridge Wells	6,420	255	4.0%	10	4.1%	30	13.3%
Kent	62,920	3,120	5.0%	45	1.5%	250	8.7%
Medway	8,515	455	5.3%	5	1.1%	20	4.6%
Kent + Medway	71,435	3,575	5.0%	50	1.4%	270	8.2%
South East Region	414,975	18,815	4.5%	90	0.5%	1,085	6.1%
England	2,360,780	117,785	5.0%	905	0.8%	8,275	7.6%

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

The distribution of manufacturing enterprises in Kent and Medway middle super output areas (MSOAs) is shown in map 1 (overleaf). MSOAs are a geographical hierarchy designed to improve the reporting of small area statistics in England and Wales.

## Map 1: Manufacturing industry enterprises in Kent & Medway

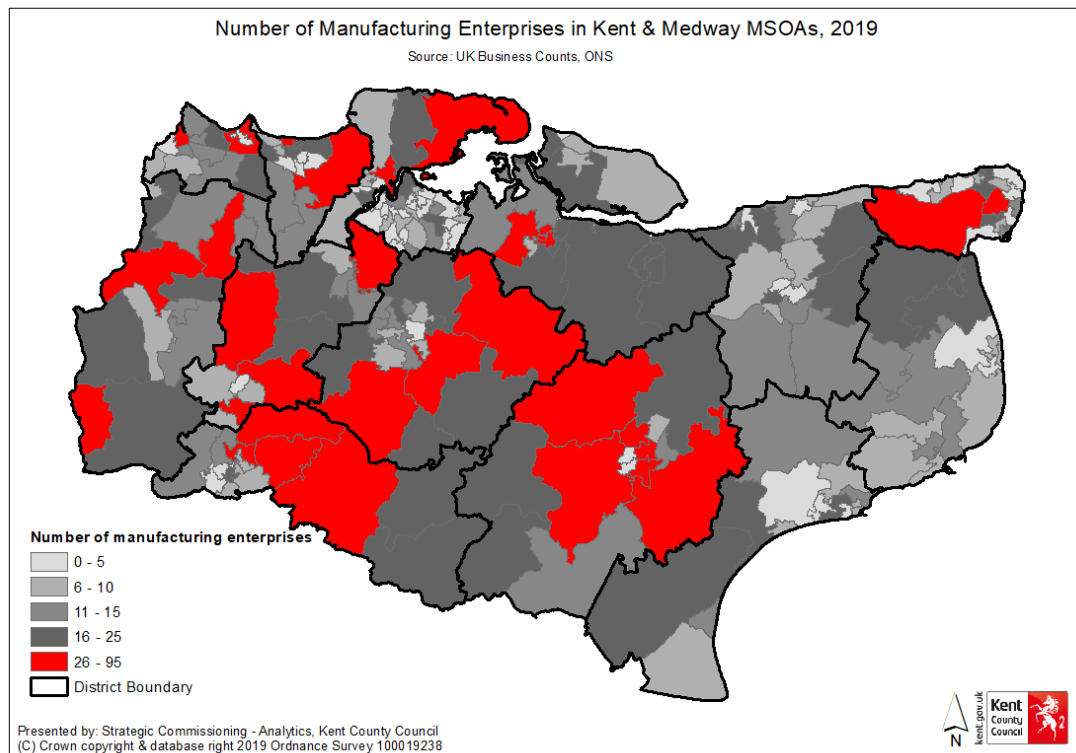
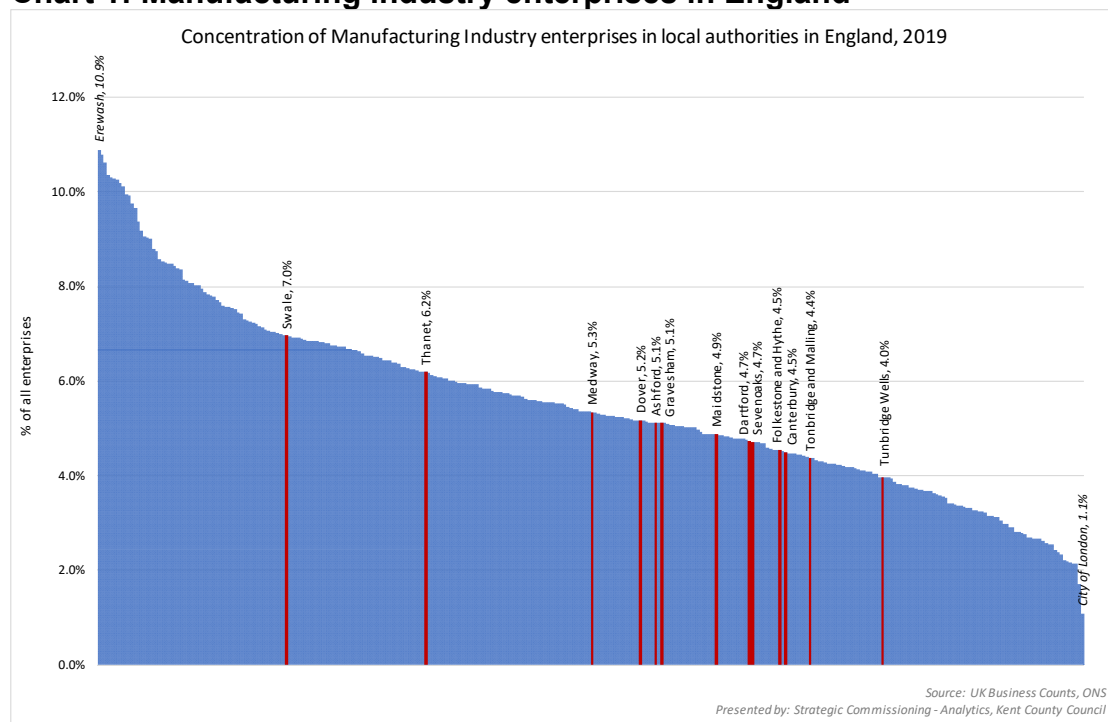


Chart 1 shows the proportion of manufacturing enterprises in local authorities in England. No Kent district appears within the top 20% of districts with the highest concentration of manufacturing enterprises in the country. The highest ranking Kent local authorities were Swale and Thanet. Tunbridge Wells district was within the 20% of authorities with the lowest proportion.

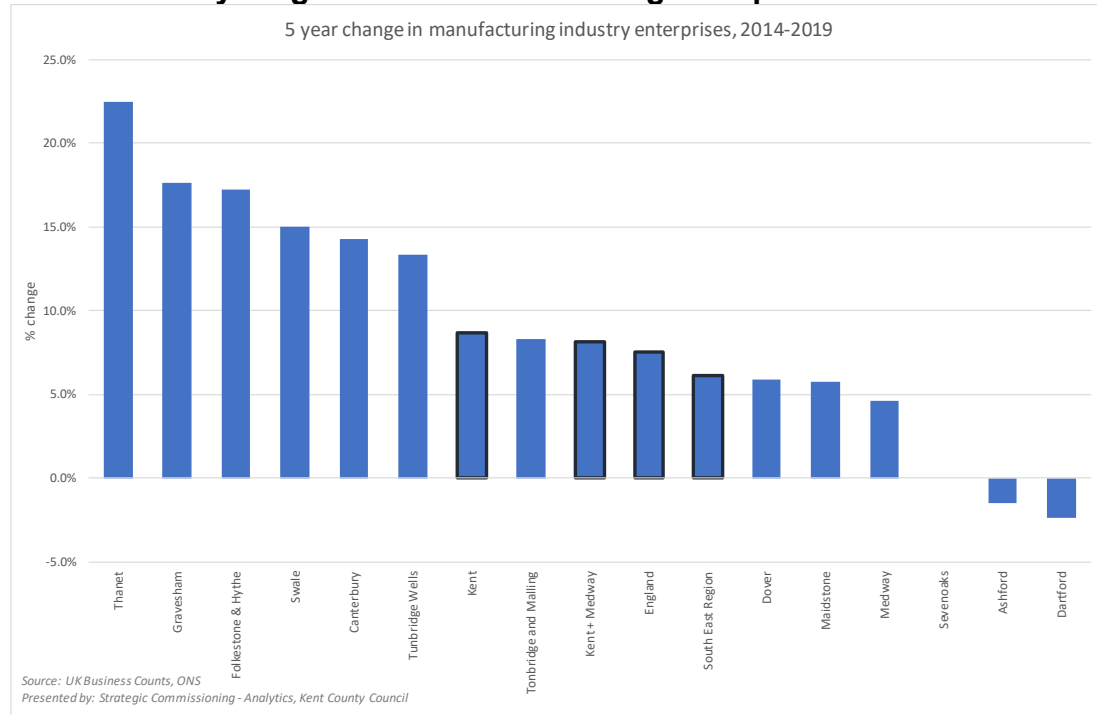
## Chart 1: Manufacturing industry enterprises in England



The number of manufacturing enterprises in Kent has increased over the last five years. The biggest increase was seen in Thanet with 45 more manufacturing enterprises than five years ago, an increase of 22.5%. Swale also saw 45 more manufacturing enterprises but this accounted for a smaller percentage increase (+15.0%).

Not all authorities have seen manufacturing enterprises increase. Ashford (-5, -1.5%) and Dartford (-5, -2.3%) each saw a reduction since 2014.

**Chart 2: Five-year growth in manufacturing enterprises**



We have subdivided the manufacturing industry into six broad manufacturing types:

<p><b>Food &amp; Drink Manufacture</b></p> <p><i>Manufacture of food products</i></p> <p><i>Manufacture of beverages</i></p>
<p><b>Clothing &amp; Textiles Manufacture</b></p> <p><i>Manufacture of textiles</i></p> <p><i>Manufacture of wearing apparel</i></p>
<p><b>Wood, Leather &amp; Paper Manufacture</b></p> <p><i>Manufacture of leather &amp; related products</i></p> <p><i>Manufacture of wood and products of wood or cork except furniture</i></p> <p><i>Manufacture of paper and paper products</i></p> <p><i>Printing and reproduction of recorded media</i></p>
<p><b>Petroleum, Chemicals and Plastics</b></p> <p><i>Manufacture of coke and refined petroleum products</i></p> <p><i>Manufacture of chemicals and chemical products</i></p> <p><i>Manufacture of basic pharmaceutical products and preparations</i></p> <p><i>Manufacture of rubber and plastic products</i></p> <p><i>Manufacture of other non metallic mineral products</i></p>
<p><b>Advanced Engineering</b></p> <p><i>Manufacture of basic metals</i></p> <p><i>Manufacture of fabricated metal products except machinery &amp; equipment</i></p> <p><i>Manufacture of computer, electronic &amp; optical products</i></p> <p><i>Manufacture of electrical equipment</i></p> <p><i>Manufacture of machinery &amp; equipment (not classified elsewhere)</i></p> <p><i>Manufacture of motor vehicles, trailers and semi-trailers</i></p> <p><i>Manufacture of other transport equipment</i></p> <p><i>Repair &amp; installation of machinery &amp; equipment</i></p>
<p><b>Other Manufacture</b></p> <p><i>Manufacture of tobacco products</i></p> <p><i>Manufacture of furniture</i></p> <p><i>Other manufacturing</i></p>

Advanced engineering accounts for almost a half of all manufacturing enterprises in Kent (48.1%). Swale and Maidstone districts have the highest number of advanced engineering enterprises (175 and 165 enterprises respectively).

Wood, leather and paper manufacture is the second largest manufacturing subsector in Kent, accounting for one in five manufacturing enterprises.

**Table 4: Make up of manufacturing enterprises**

	Total	Food & Drink	Clothing & Textiles	Wood, Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other
2019	Manufacturing	Manufacture	Manufacture	Manufacture	Plastics	Engineering	Manufacture
Ashford	330	25	5	70	30	150	45
Canterbury	240	20	15	40	15	110	40
Dartford	210	5	5	40	25	120	20
Dover	180	15	5	30	10	100	15
Folkestone & Hythe	170	15	5	25	15	90	15
Gravesham	200	10	5	35	10	115	25
Maidstone	365	30	10	85	40	165	35
Sevenoaks	320	10	10	80	30	150	40
Swale	345	20	10	60	30	175	45
Thanet	245	15	15	40	30	115	35
Tonbridge and Malling	260	15	5	65	20	125	30
Tunbridge Wells	255	25	15	70	25	90	35
<b>Kent</b>	<b>3,120</b>	<b>210</b>	<b>110</b>	<b>640</b>	<b>280</b>	<b>1,500</b>	<b>380</b>
<b>Medway</b>	<b>455</b>	<b>25</b>	<b>20</b>	<b>70</b>	<b>30</b>	<b>280</b>	<b>35</b>
<b>Kent + Medway</b>	<b>3,575</b>	<b>235</b>	<b>125</b>	<b>705</b>	<b>310</b>	<b>1,780</b>	<b>415</b>
<b>South East</b>	<b>9,065</b>	<b>540</b>	<b>390</b>	<b>1,770</b>	<b>835</b>	<b>4,380</b>	<b>1,145</b>
<b>England</b>	<b>117,785</b>	<b>8,595</b>	<b>7,305</b>	<b>19,810</b>	<b>11,180</b>	<b>56,875</b>	<b>14,015</b>

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

**Table 5: Proportion of manufacturing enterprises by manufacturing type**

	Total	Food & Drink	Clothing & Textiles	Wood, Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other
2019	Manufacturing	Manufacture	Manufacture	Manufacture	Plastics	Engineering	Manufacture
Ashford	100%	7.6%	1.5%	21.2%	9.1%	45.5%	13.6%
Canterbury	100%	8.3%	6.3%	16.7%	6.3%	45.8%	16.7%
Dartford	100%	2.4%	2.4%	19.0%	11.9%	57.1%	9.5%
Dover	100%	8.3%	2.8%	16.7%	5.6%	55.6%	8.3%
Folkestone & Hythe	100%	8.8%	2.9%	14.7%	8.8%	52.9%	8.8%
Gravesham	100%	5.0%	2.5%	17.5%	5.0%	57.5%	12.5%
Maidstone	100%	8.2%	2.7%	23.3%	11.0%	45.2%	9.6%
Sevenoaks	100%	3.1%	3.1%	25.0%	9.4%	46.9%	12.5%
Swale	100%	5.8%	2.9%	17.4%	8.7%	50.7%	13.0%
Thanet	100%	6.1%	6.1%	16.3%	12.2%	46.9%	14.3%
Tonbridge and Malling	100%	5.8%	1.9%	25.0%	7.7%	48.1%	11.5%
Tunbridge Wells	100%	9.8%	5.9%	27.5%	9.8%	35.3%	13.7%
<b>Kent</b>	<b>100%</b>	<b>6.7%</b>	<b>3.5%</b>	<b>20.5%</b>	<b>9.0%</b>	<b>48.1%</b>	<b>12.2%</b>
<b>Medway</b>	<b>100%</b>	<b>5.5%</b>	<b>4.4%</b>	<b>15.4%</b>	<b>6.6%</b>	<b>61.5%</b>	<b>7.7%</b>
<b>Kent + Medway</b>	<b>100%</b>	<b>6.6%</b>	<b>3.5%</b>	<b>19.7%</b>	<b>8.7%</b>	<b>49.8%</b>	<b>11.6%</b>
<b>South East</b>	<b>100%</b>	<b>6.0%</b>	<b>4.3%</b>	<b>19.5%</b>	<b>9.2%</b>	<b>48.3%</b>	<b>12.6%</b>
<b>England</b>	<b>100%</b>	<b>7.3%</b>	<b>6.2%</b>	<b>16.8%</b>	<b>9.5%</b>	<b>48.3%</b>	<b>11.9%</b>

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

Looking in more detail at the enterprises which are classified as being manufacturing based, it shows that businesses which manufacture fabricated metal products accounts for almost one in five of all manufacturing enterprises in Kent. In Medway they account for almost a quarter of all manufacturing enterprises. This is shown in table 6 (overleaf).

**Table 6: Detailed manufacturing enterprises**

2019	Kent	Medway	South East	England
<b>Total Manufacturing</b>	<b>3,120</b>	<b>455</b>	<b>18,815</b>	<b>117,785</b>
<b>Food &amp; Drink Manufacture</b>	<b>6.7%</b>	<b>5.5%</b>	<b>6.5%</b>	<b>7.3%</b>
<i>Manufacture of food products</i>	5.0%	4.4%	4.8%	5.6%
<i>Manufacture of beverages</i>	1.8%	1.1%	1.8%	1.7%
<b>Clothing &amp; Textiles Manufacture</b>	<b>3.5%</b>	<b>4.4%</b>	<b>4.1%</b>	<b>6.2%</b>
<i>Manufacture of textiles</i>	1.9%	3.3%	2.3%	3.1%
<i>Manufacture of wearing apparel</i>	1.6%	1.1%	1.8%	3.1%
<b>Wood, Leather &amp; Paper Manufacture</b>	<b>20.5%</b>	<b>15.4%</b>	<b>17.5%</b>	<b>16.8%</b>
<i>Manufacture of leather &amp; related products</i>	0.3%	0.0%	0.3%	0.5%
<i>Manufacture of wood and products of wood or cork except furniture</i>	7.4%	6.6%	6.4%	6.5%
<i>Manufacture of paper and paper products</i>	1.4%	1.1%	0.9%	1.0%
<i>Printing and reproduction of recorded media</i>	11.4%	6.6%	10.0%	8.8%
<b>Petroleum, Chemicals and Plastics</b>	<b>9.0%</b>	<b>6.6%</b>	<b>8.9%</b>	<b>9.5%</b>
<i>Manufacture of coke and refined petroleum products</i>	0.2%	0.0%	0.1%	0.1%
<i>Manufacture of chemicals and chemical products</i>	2.1%	1.1%	2.2%	2.2%
<i>Manufacture of basic pharmaceutical products and preparations</i>	0.5%	0.0%	0.7%	0.5%
<i>Manufacture of rubber and plastic products</i>	3.7%	3.3%	3.7%	4.2%
<i>Manufacture of other non metallic mineral products</i>	2.9%	2.2%	2.3%	2.6%
<b>Advanced Engineering</b>	<b>48.1%</b>	<b>61.5%</b>	<b>50.9%</b>	<b>48.3%</b>
<i>Manufacture of basic metals</i>	1.3%	1.1%	1.0%	1.3%
<i>Manufacture of fabricated metal products except machinery &amp; equipment</i>	19.2%	24.2%	18.8%	20.4%
<i>Manufacture of computer, electronic &amp; optical products</i>	4.5%	4.4%	6.7%	4.5%
<i>Manufacture of electrical equipment</i>	2.6%	2.2%	2.9%	2.3%
<i>Manufacture of machinery &amp; equipment (not classified elsewhere)</i>	5.3%	8.8%	5.3%	5.5%
<i>Manufacture of motor vehicles, trailers and semi-trailers</i>	1.9%	3.3%	2.4%	2.6%
<i>Manufacture of other transport equipment</i>	1.3%	1.1%	2.7%	1.7%
<i>Repair &amp; installation of machinery &amp; equipment</i>	11.9%	17.6%	10.9%	10.0%
<b>Other Manufacture</b>	<b>12.2%</b>	<b>7.7%</b>	<b>12.0%</b>	<b>11.9%</b>
<i>Manufacture of tobacco products</i>	0.0%	0.0%	0.0%	0.0%
<i>Manufacture of furniture</i>	4.6%	2.2%	4.6%	4.7%
<i>Other manufacturing</i>	7.5%	4.4%	7.4%	7.1%

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

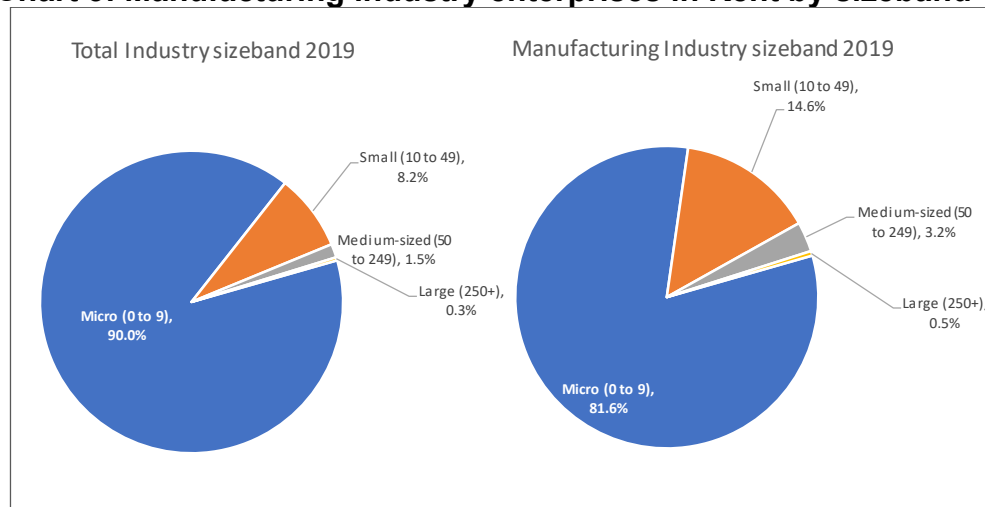
The size of an enterprise can be classified as a micro, small, medium or large depending upon the number of workers it employs.

Enterprise size	Number of employees
Micro	0 to 9
Small	10 to 49
Medium	50 to 249
Large	250+

Manufacturing enterprises are less likely to be micro enterprises (than the average for total industries and more likely to be classified as small or medium sized. In Kent 90.0% of all businesses are classified as micro enterprises but when looking specifically at manufacturing enterprises 81.6% are micro enterprises. 14.6% of manufacturing businesses are small enterprises above

the average for total enterprises (8.2%) and 3.2% medium sized as opposed to the average of 1.5%.

**Chart 3: Manufacturing industry enterprises in Kent by sizeband**



Folkestone and Hythe, Ashford, Swale and Medway have a higher proportion of manufacturing enterprises which are classified as large (employing 250 workers or more) than the national or regional average. In Folkestone and Hythe 2.9% of manufacturing enterprises are large enterprises, considerably higher than the national average of 0.9%.

**Table 7: Manufacturing enterprises - sizebands**

	Employment sizeband - manufacturing enterprises					Percentage of all enterprises			
	Total	Micro (0 to 9)	Small (10 to 49)	Medium-sized (50 to 249)	Large (250+)	Micro (0 to 9)	Small (10 to 49)	Medium-sized (50 to 249)	Large (250+)
<b>2019</b>									
Ashford	330	270	50	5	5	81.8%	15.2%	1.5%	1.5%
Canterbury	240	210	25	5	0	87.5%	10.4%	2.1%	0.0%
Dartford	210	175	30	5	0	83.3%	14.3%	2.4%	0.0%
Dover	180	150	20	10	0	83.3%	11.1%	5.6%	0.0%
Folkestone & Hythe	170	135	20	5	5	79.4%	11.8%	2.9%	2.9%
Gravesham	200	180	15	5	0	90.0%	7.5%	2.5%	0.0%
Maidstone	365	290	60	15	0	79.5%	16.4%	4.1%	0.0%
Sevenoaks	320	260	50	10	0	81.3%	15.6%	3.1%	0.0%
Swale	345	270	55	15	5	78.3%	15.9%	4.3%	1.4%
Thanet	245	195	45	10	0	79.6%	18.4%	4.1%	0.0%
Tonbridge and Malling	260	200	50	10	0	76.9%	19.2%	3.8%	0.0%
Tunbridge Wells	255	210	40	5	0	82.4%	15.7%	2.0%	0.0%
<b>Kent</b>	<b>3,120</b>	<b>2,545</b>	<b>455</b>	<b>100</b>	<b>15</b>	<b>81.6%</b>	<b>14.6%</b>	<b>3.2%</b>	<b>0.5%</b>
Medway	455	365	70	15	5	80.2%	15.4%	3.3%	1.1%
<b>Kent + Medway</b>	<b>3,575</b>	<b>2,910</b>	<b>525</b>	<b>115</b>	<b>20</b>	<b>81.4%</b>	<b>14.7%</b>	<b>3.2%</b>	<b>0.6%</b>
<b>South East</b>	<b>18,815</b>	<b>15,365</b>	<b>2,635</b>	<b>655</b>	<b>160</b>	<b>81.7%</b>	<b>14.0%</b>	<b>3.5%</b>	<b>0.9%</b>
<b>England</b>	<b>117,785</b>	<b>92,810</b>	<b>18,730</b>	<b>5,180</b>	<b>1,065</b>	<b>78.8%</b>	<b>15.9%</b>	<b>4.4%</b>	<b>0.9%</b>

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

More than half of Kent manufacturing enterprises (60.9%) have an annual turnover of up to £199,000, this reflects a similar picture to that seen nationally

(59.4%) and regionally (60.9%). Almost one in five of the manufacturing enterprises in the South East region who have an annual turnover higher than £500,000 are Kent and Medway based enterprises.

**Table 8: Manufacturing enterprise turnover**

2019	Number of Manufacturing enterprises				% of total Manufacturing enterprises			
	Kent	Medway	South East	England	Kent	Medway	South East	England
<b>Total</b>	3,120	455	18,815	117,785	100%	100%	100%	100%
0 to 49 (thousand)	410	50	2,625	14,900	13.1%	11.0%	14.0%	12.7%
50 to 99 (thousand)	670	110	4,140	25,550	21.5%	24.2%	22.0%	21.7%
100 to 199 (thousand)	820	115	4,695	29,520	26.3%	25.3%	25.0%	25.1%
200 to 499 (thousand)	390	55	2,285	14,195	12.5%	12.1%	12.1%	12.1%
500 to 999 (thousand)	325	50	1,775	11,045	10.4%	11.0%	9.4%	9.4%
1000 to 1999 (thousand)	200	30	1,220	8,010	6.4%	6.6%	6.5%	6.8%
2000 to 4999 (thousand)	155	25	1,035	7,000	5.0%	5.5%	5.5%	5.9%
5000 to 9999 (thousand)	70	5	450	3,235	2.2%	1.1%	2.4%	2.7%
10000 to 49999 (thousand)	60	15	430	3,275	1.9%	3.3%	2.3%	2.8%
50000+ (thousand)	20	5	165	1,045	0.6%	1.1%	0.9%	0.9%

Source: UK Business Counts

Presented by: Strategic Commissioning - Analytics, Kent County Council

## Employees in Manufacturing Industries

The Business Register and Employment Survey (BRES) provides us with estimates of the number of employees by industrial sector.

Manufacturing supplies over two million employee jobs, accounting for 8.0% of all jobs in the country and is strongest in the Midlands and the north of the country.

The North East has the highest number of manufacturing employees and has seen the highest growth in number of jobs over the last four years.

The Midlands, Yorkshire and the North West have the highest proportion of manufacturing jobs in the country. The South East has the second lowest proportion in the country (6.3%), below the national average. The South East has the fifth highest number of manufacturing jobs in the country (262,500 employee jobs) accounting for 12.1% of all manufacturing jobs in England.

Manufacturing jobs have increased in all parts of the country except the North West, London and the West Midlands.



**Table 9: Regional manufacturing employee jobs**

	Number of employee jobs in manufacturing				Percentage of employee jobs in manufacturing				Change 2015-2018	
	2015	2016	2017	2018	2015	2016	2017	2018	No.	%
<b>England</b>	<b>2,030,000</b>	<b>2,039,000</b>	<b>2,079,500</b>	<b>2,082,500</b>	<b>8.1%</b>	<b>8.0%</b>	<b>8.1%</b>	<b>8.0%</b>	<b>52,500</b>	<b>2.6%</b>
West Midlands	268,000	267,500	285,500	265,500	13.3%	13.0%	13.8%	12.8%	-2,500	-0.9%
East Midlands	296,000	293,500	297,500	303,500	12.0%	11.7%	11.5%	11.9%	7,500	2.5%
Yorkshire and The Humber	266,000	240,000	272,500	283,500	11.4%	10.3%	11.4%	11.8%	17,500	6.6%
North West	117,500	112,000	118,000	115,000	11.0%	10.8%	11.1%	10.9%	-2,500	-2.1%
North East	305,000	320,000	325,500	318,000	9.6%	9.9%	9.9%	9.6%	13,000	4.3%
South West	209,000	222,500	207,500	211,000	8.8%	9.2%	8.5%	8.5%	2,000	1.0%
East	202,500	214,000	219,500	211,500	7.7%	7.9%	7.9%	7.6%	9,000	4.4%
<b>South East</b>	<b>251,500</b>	<b>260,500</b>	<b>251,000</b>	<b>262,500</b>	<b>6.2%</b>	<b>6.3%</b>	<b>6.1%</b>	<b>6.3%</b>	<b>11,000</b>	<b>4.4%</b>
London	114,000	110,000	103,000	112,000	2.3%	2.2%	2.0%	2.2%	-2,000	-1.8%

Source: BRES

Presented by: Strategic Commissioning - Analytics, Kent County Council

As at 2018 there were 40,000 employee jobs in manufacturing industries in Kent, accounting for 6.6% of all employees in the county. This is a higher proportion than is seen regionally (6.3%) but lower than the national figure of 8.0%.

Swale district had the highest number of manufacturing employees (6,500) accounting for 12.9% of the area's total employee jobs. The lowest proportion was in Canterbury where 2.8% of employee jobs were in manufacturing.

Five districts saw manufacturing employee job growth over recent years while Swale and Tunbridge Wells saw a reduction of 500 and 900 jobs respectively. The largest growth was in Dartford (+800 jobs). Five districts saw no change at all.

**Table 10: Manufacturing employees**

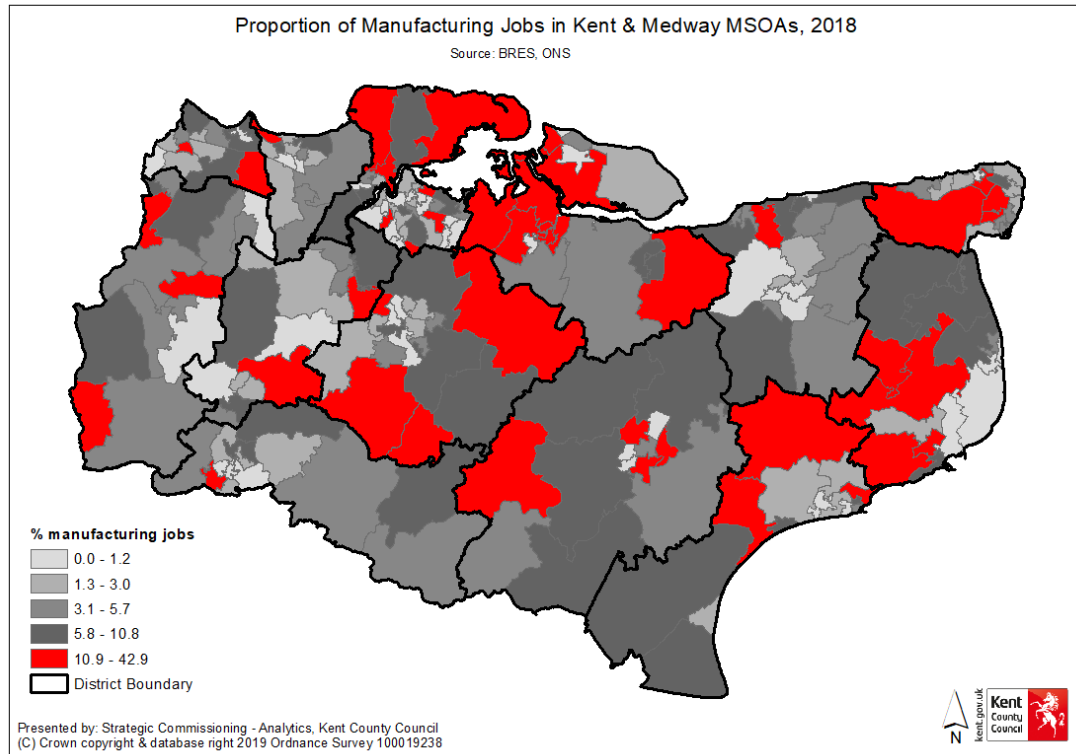
	Number of employee jobs in manufacturing				Percentage of employee jobs in manufacturing				Change 2015-2018	
	2015	2016	2017	2018	2015	2016	2017	2018	No.	%
Ashford	5,000	4,800	4,800	5,000	9.2%	8.5%	8.4%	9.0%	300	5.3%
Canterbury	1,900	1,800	1,900	1,900	3.0%	2.7%	2.8%	2.8%	100	7.1%
Dartford	2,800	2,800	3,300	3,500	4.4%	4.4%	5.7%	5.8%	800	27.3%
Dover	2,800	3,000	3,000	3,000	8.0%	9.1%	8.8%	9.0%	0	0.0%
Folkestone & Hythe	1,800	1,800	1,500	2,000	4.7%	4.8%	4.2%	5.6%	300	14.3%
Gravesham	1,800	1,800	1,800	1,900	6.0%	5.7%	5.5%	5.8%	100	7.1%
Maidstone	4,300	4,300	4,000	4,300	5.6%	5.6%	5.3%	5.7%	0	0.0%
Sevenoaks	3,000	3,300	3,000	3,300	5.9%	6.4%	5.6%	6.5%	0	0.0%
Swale	6,500	7,000	6,500	6,500	13.1%	13.9%	12.9%	12.9%	-500	-7.1%
Thanet	3,000	3,300	3,000	3,300	7.2%	7.9%	7.1%	7.8%	0	0.0%
Tonbridge and Malling	3,300	3,500	3,500	3,500	5.7%	6.0%	6.0%	6.0%	0	0.0%
Tunbridge Wells	3,300	3,000	2,400	2,100	5.2%	5.6%	4.6%	4.2%	-900	-29.2%
<b>Kent</b>	<b>39,000</b>	<b>39,500</b>	<b>38,500</b>	<b>40,000</b>	<b>6.3%</b>	<b>6.4%</b>	<b>6.3%</b>	<b>6.6%</b>	<b>500</b>	<b>1.3%</b>
<b>Medway</b>	<b>7,000</b>	<b>7,000</b>	<b>6,500</b>	<b>7,500</b>	<b>8.0%</b>	<b>7.6%</b>	<b>7.1%</b>	<b>8.0%</b>	<b>500</b>	<b>7.1%</b>
<b>Kent + Medway</b>	<b>46,000</b>	<b>47,000</b>	<b>45,000</b>	<b>47,000</b>	<b>6.5%</b>	<b>6.7%</b>	<b>6.4%</b>	<b>6.7%</b>	<b>0</b>	<b>0.0%</b>
<b>South East</b>	<b>251,500</b>	<b>260,500</b>	<b>251,000</b>	<b>262,500</b>	<b>6.2%</b>	<b>6.3%</b>	<b>6.1%</b>	<b>6.3%</b>	<b>2,000</b>	<b>0.8%</b>
<b>England</b>	<b>2,030,000</b>	<b>2,039,000</b>	<b>2,079,500</b>	<b>2,082,500</b>	<b>8.1%</b>	<b>8.0%</b>	<b>8.1%</b>	<b>8.0%</b>	<b>43,500</b>	<b>2.1%</b>

Source: BRES

Presented by: Strategic Commissioning - Analytics, Kent County Council

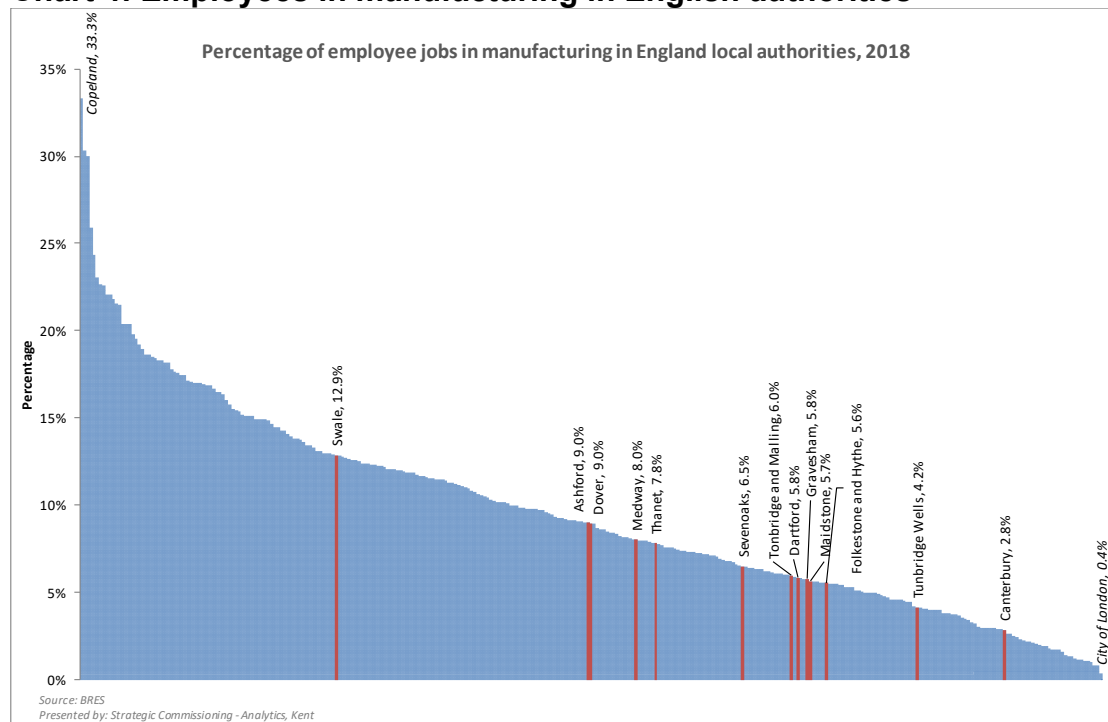
The proportion of employee jobs in the manufacturing industry in Kent and Medway MSOAs is shown in map 2 (overleaf). MSOAs are a geographical hierarchy designed to improve the reporting of small area statistics in England and Wales.

## Map 2: Proportion of employee jobs in the manufacturing industry in Kent & Medway



When compared to other authorities in England, no Kent authority is within the top 20% with the highest percentage of employee jobs in manufacturing, these are those areas where the industry provides at least 14.3% of employee jobs.

## Chart 4: Employees in manufacturing in English authorities



With 12.9% of local jobs in manufacturing in Swale district, it is within the top 40% of local authorities (10.4% or more of jobs). Eight Kent authorities are within the bottom 20%, that is those areas with less than 7.3% of jobs within manufacturing.

A large proportion of manufacturing jobs in Kent (45%) are within advanced engineering. In Canterbury this accounts for 66.7% of manufacturing employee jobs.

**Table 11: Makeup of Manufacturing Industry employees**

	Number						
	Total	Food & Drink	Clothing & Textiles	Wood, Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other
2018	Manufacturing	Manufacture	Manufacture	Manufacture	Manufacture	Manufacture	Manufacture
Ashford	5,000	700	0	400	1,300	1,900	700
Canterbury	1,900	100	0	300	100	1,300	100
Dartford	3,500	500	0	500	600	2,000	100
Dover	3,000	900	0	200	300	1,500	0
Folkestone & Hythe	2,000	100	0	100	400	1,300	200
Gravesham	1,900	0	0	700	400	900	100
Maidstone	4,300	600	0	500	1,400	1,600	100
Sevenoaks	3,300	200	100	600	300	1,800	200
Swale	6,500	1,100	0	800	1,800	2,800	200
Thanet	3,300	200	200	300	800	1,500	200
Tonbridge and Malling	3,500	500	0	1,000	700	1,300	100
Tunbridge Wells	2,100	600	0	500	400	600	100
Kent	40,000	5,500	400	5,500	8,000	18,000	2,100
Medway	7,500	500	100	800	900	4,800	400
Kent + Medway	47,000	6,000	500	6,500	9,000	22,500	2,500
South East	262,500	25,500	3,300	23,500	40,000	152,000	18,500
England	2,082,500	337,000	61,000	197,000	336,000	1,007,000	144,500

Source: BRES

Presented by: Strategic Commissioning - Analytics, Kent County Council

Food and drink manufacture accounts for a large proportion of manufacturing jobs in Dover (30.0%) and Tunbridge Wells (28.2%); in Gravesham Wood, leather and paper manufacturing jobs account for 34.7% of manufacturing jobs; 32.4% of manufacturing jobs in Maidstone are within petroleum, chemicals and plastics manufacturing.

The manufacture of clothing and textiles accounts for the smallest proportion of manufacturing jobs in the county (1.1%).

This is shown in table 12 (overleaf).

**Table 12: Proportion of manufacturing jobs by manufacturing type**

	% of total manufacturing employees						
	Total	Food & Drink	Wood, Clothing & Textiles	Leather & Paper	Petroleum, Chemicals and Plastics	Advanced Engineering	Other
2018	Manufacturing	Manufacture	Manufacture	Manufacture	Manufacture	Manufacture	Manufacture
Ashford	100.0%	13.0%	0.5%	8.5%	25.0%	37.5%	14.0%
Canterbury	100.0%	6.9%	2.1%	14.7%	7.5%	66.7%	6.4%
Dartford	100.0%	12.9%	0.0%	12.9%	15.7%	57.1%	1.4%
Dover	100.0%	30.0%	0.5%	7.0%	10.0%	50.0%	1.2%
Folkestone & Hythe	100.0%	5.5%	0.5%	3.5%	20.0%	62.5%	7.5%
Gravesham	100.0%	0.5%	0.0%	34.7%	18.7%	45.3%	4.8%
Maidstone	100.0%	12.9%	0.4%	10.6%	32.4%	38.2%	2.8%
Sevenoaks	100.0%	7.4%	2.2%	18.5%	8.5%	53.8%	6.5%
Swale	100.0%	17.3%	0.5%	12.3%	26.9%	42.3%	2.5%
Thanet	100.0%	6.8%	5.2%	10.0%	24.6%	46.2%	6.5%
Tonbridge and Malling	100.0%	12.9%	0.4%	27.1%	20.0%	35.7%	3.1%
Tunbridge Wells	100.0%	28.2%	0.7%	21.2%	16.5%	25.9%	5.6%
<b>Kent</b>	<b>100.0%</b>	<b>13.8%</b>	<b>1.1%</b>	<b>13.8%</b>	<b>20.0%</b>	<b>45.0%</b>	<b>5.3%</b>
<b>Medway</b>	<b>100.0%</b>	<b>6.3%</b>	<b>0.8%</b>	<b>10.7%</b>	<b>11.3%</b>	<b>63.3%</b>	<b>5.7%</b>
<b>Kent + Medway</b>	<b>100.0%</b>	<b>12.8%</b>	<b>1.0%</b>	<b>13.8%</b>	<b>19.1%</b>	<b>47.9%</b>	<b>5.3%</b>
<b>South East</b>	<b>100.0%</b>	<b>9.7%</b>	<b>1.2%</b>	<b>9.0%</b>	<b>15.2%</b>	<b>57.9%</b>	<b>7.0%</b>
<b>England</b>	<b>100.0%</b>	<b>16.2%</b>	<b>2.9%</b>	<b>9.5%</b>	<b>16.1%</b>	<b>48.4%</b>	<b>6.9%</b>

Source: BRES

Presented by: Strategic Commissioning - Analytics, Kent County Council

When looking in greater detail at the individual industries which make up manufacturing in Kent the manufacture of fabricated metal products and the manufacture of food products make up the highest proportion of manufacturing jobs (15.0% each), a slightly higher proportion to that seen nationally (13.8%). The second largest proportion of manufacturing jobs in Kent is in the manufacture of food products (12.5%). In Medway the manufacture of computer, electronic and optical products accounts for almost a quarter of all manufacturing jobs in the area.

This is shown in table 13 (overleaf).

**Table 13: Detailed Manufacturing industry employees**

2018	Kent	Medway	South East	England
<b>Total Manufacturing jobs</b>	<b>40,000</b>	<b>7,500</b>	<b>262,500</b>	<b>2,082,500</b>
<b>Food &amp; Drink Manufacture</b>	<b>13.8%</b>	<b>6.3%</b>	<b>9.7%</b>	<b>16.2%</b>
<i>Manufacture of food products</i>	12.5%	6.0%	8.6%	14.8%
<i>Manufacture of beverages</i>	1.5%	0.5%	1.1%	1.4%
<b>Clothing &amp; Textiles Manufacture</b>	<b>1.1%</b>	<b>0.8%</b>	<b>1.2%</b>	<b>2.9%</b>
<i>Manufacture of textiles</i>	0.9%	0.7%	1.1%	2.1%
<i>Manufacture of wearing apparel</i>	0.1%	0.1%	0.1%	0.9%
<b>Wood, Leather &amp; Paper Manufacture</b>	<b>13.8%</b>	<b>10.7%</b>	<b>9.0%</b>	<b>9.5%</b>
<i>Manufacture of leather &amp; related products</i>	0.1%	0.0%	0.1%	0.4%
<i>Manufacture of wood and products of wood or cork except furniture</i>	2.5%	1.3%	1.6%	2.4%
<i>Manufacture of paper and paper products</i>	5.3%	0.5%	1.9%	2.3%
<i>Printing and reproduction of recorded media</i>	5.9%	8.7%	5.3%	4.3%
<b>Petroleum, Chemicals and Plastics</b>	<b>20.0%</b>	<b>11.3%</b>	<b>15.2%</b>	<b>16.1%</b>
<i>Manufacture of coke and refined petroleum products</i>	0.4%	0.0%	0.5%	0.4%
<i>Manufacture of chemicals and chemical products</i>	5.9%	0.7%	4.2%	4.3%
<i>Manufacture of basic pharmaceutical products and preparations</i>	1.1%	0.0%	1.3%	1.3%
<i>Manufacture of rubber and plastic products</i>	8.1%	7.3%	6.5%	6.6%
<i>Manufacture of other non metallic mineral products</i>	5.0%	3.1%	2.9%	3.6%
<b>Advanced Engineering</b>	<b>45.0%</b>	<b>63.3%</b>	<b>57.9%</b>	<b>48.4%</b>
<i>Manufacture of basic metals</i>	1.3%	3.7%	0.8%	2.6%
<i>Manufacture of fabricated metal products except machinery &amp; equipment</i>	15.0%	13.3%	15.6%	13.8%
<i>Manufacture of computer, electronic &amp; optical products</i>	5.9%	23.3%	11.0%	4.6%
<i>Manufacture of electrical equipment</i>	4.4%	2.7%	4.4%	3.0%
<i>Manufacture of machinery &amp; equipment (not classified elsewhere)</i>	4.4%	11.3%	5.9%	7.0%
<i>Manufacture of motor vehicles, trailers and semi-trailers</i>	4.1%	0.4%	5.7%	7.3%
<i>Manufacture of other transport equipment</i>	0.8%	0.1%	4.4%	5.2%
<i>Repair &amp; installation of machinery &amp; equipment</i>	8.8%	7.3%	10.1%	4.7%
<b>Other Manufacture</b>	<b>5.3%</b>	<b>5.7%</b>	<b>7.0%</b>	<b>6.9%</b>
<i>Manufacture of tobacco products</i>	0.0%	0.0%	0.0%	0.0%
<i>Manufacture of furniture</i>	2.4%	4.3%	2.5%	3.8%
<i>Other manufacturing</i>	2.8%	1.3%	4.4%	3.1%

Source: BRES

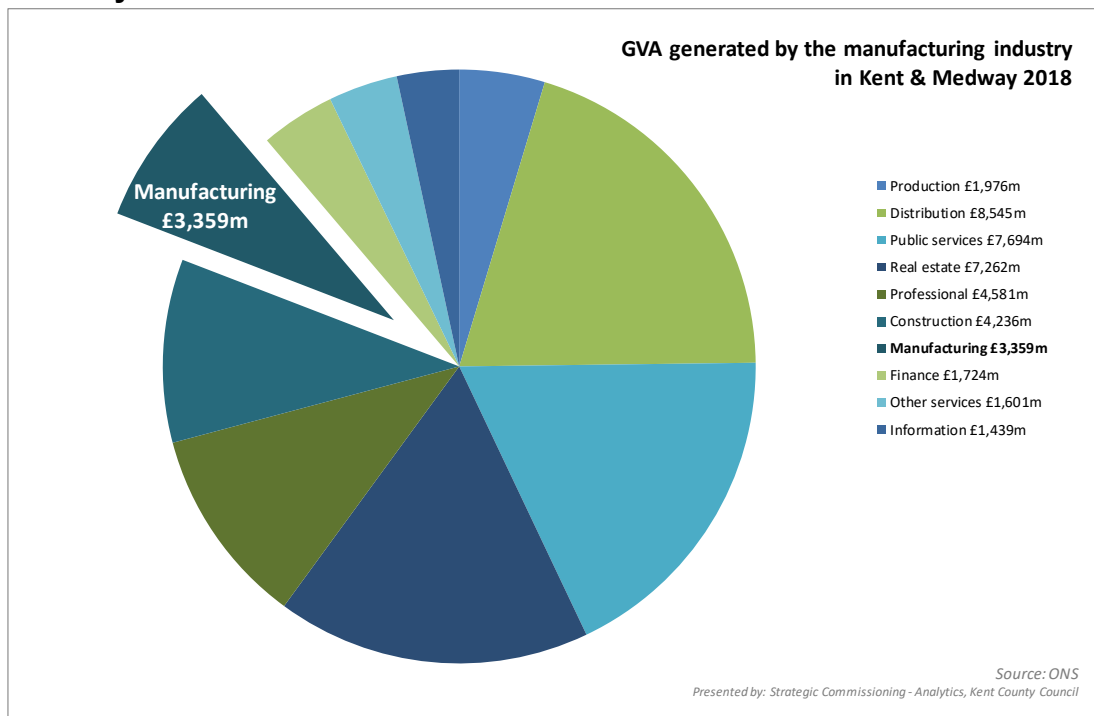
Presented by: Strategic Commissioning - Analytics, Kent County Council

## Manufacturing GVA

Gross Value Added (GVA) is a measure of Output i.e. the value of the goods and services produced in the economy. It is primarily used to monitor the performance of the national economy and is now the measure preferred by the Office for National Statistics (ONS) to measure the overall economic well-being of an area. GVA estimates are available by broad industrial group down to local authority district level. The latest estimates are for 2018.

It is estimated that GVA generated by the manufacturing industry (£3,359m) accounted for 7.9% of the total GVA in Kent and Medway in 2018.

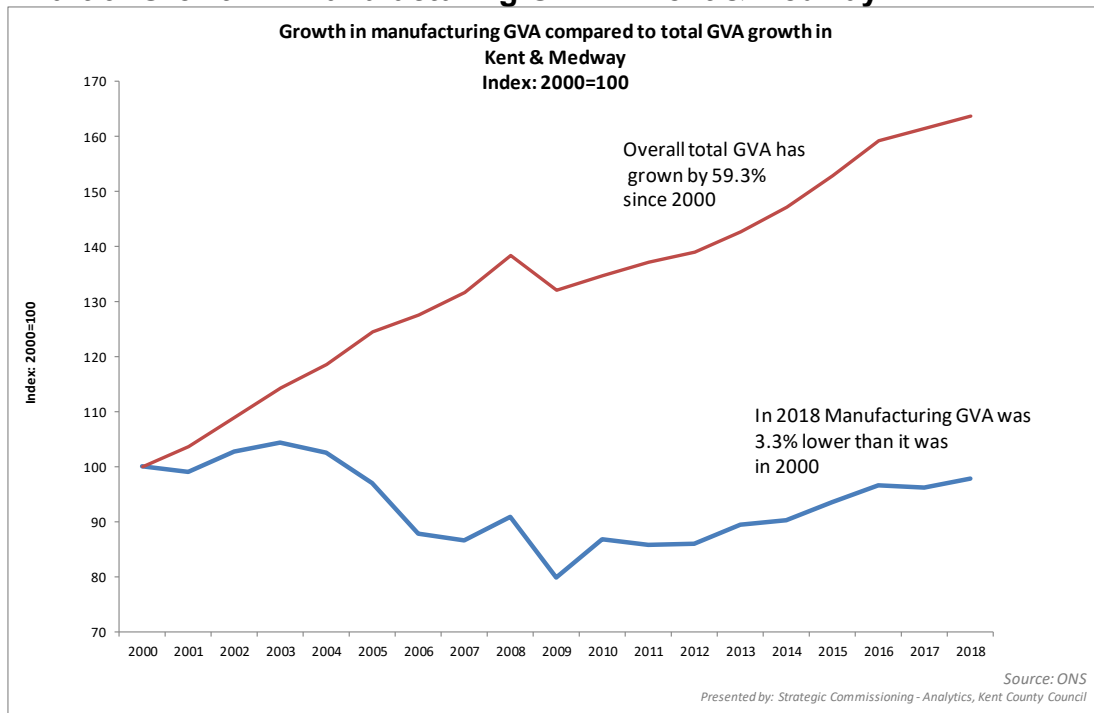
**Chart 5: Manufacturing GVA in Kent & Medway**



Manufacturing GVA in Kent and Medway has fallen considerably since 2000. By setting the same starting point for both manufacturing and total GVA (2000=100) we can more clearly see the differences in growth.

Overall Kent and Medway manufacturing GVA is lower than in 2000. Although there has been growth since 2012, it has not grown as strongly as total GVA.

**Chart 6: Growth in manufacturing GVA in Kent & Medway**



When compared to the South East and England as a whole, Kent and Medway’s manufacturing GVA growth since the recession has been considerably lower. While in recent years it has increased regionally and nationally above its 2000 level, the recovery in Kent and Medway has not been as great and it remains lower than it was in 2000.

**Chart 7: Manufacturing GVA growth in Kent & Medway, South East and England**

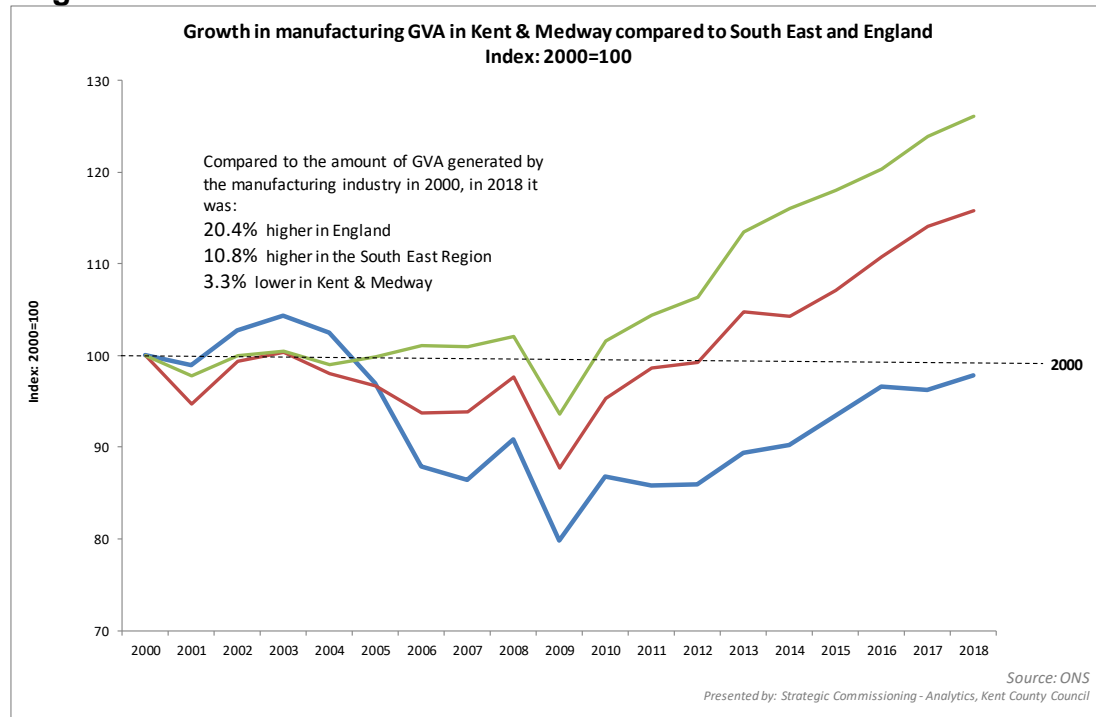


Table 14 (overleaf) shows that at local authority level Ashford had the highest estimated manufacturing GVA in Kent in 2018 (£396m) accounting for 13.2% of the total GVA within the district and the highest manufacturing GVA per head of population (£3,063).

Folkestone & Hythe had the lowest manufacturing GVA in Kent (£60m) equating to £533 per head of population.

**Table 14: Manufacturing GVA in Kent local authorities**

2018	Total GVA (£m)	Total GVA per head (£)	Manufacturing (£m)	Manufacturing GVA per head (£)
Ashford	2,989	23,120	396	3,063
Canterbury	3,234	19,653	132	802
Dartford	3,833	34,938	329	2,999
Dover	2,449	20,937	132	1,129
Folkestone & Hythe	2,224	19,755	60	533
Gravesham	1,653	15,538	155	1,457
Maidstone	4,122	24,253	275	1,618
Sevenoaks	3,935	32,712	196	1,629
Swale	2,686	18,085	381	2,565
Thanet	2,087	14,716	223	1,572
Tonbridge and Malling	4,150	31,799	323	2,475
Tunbridge Wells	3,480	29,478	211	1,787
Kent	36,842	23,487	2,813	1,793
Medway	5,576	20,068	546	1,965
Kent & Medway	42,418	22,972	3,359	1,819
South East	277,256	30,356	22,777	2,494
England	1,643,271	29,356	157,387	2,812

Source: ONS

Presented by: Strategic Commissioning - Analytics, Kent County Council

Folkestone and Hythe had the smallest proportion of manufacturing GVA, accounting for 2.7% of the overall GVA generated in the district.

**Chart 8: Percentage of GVA generated by manufacturing in Kent**

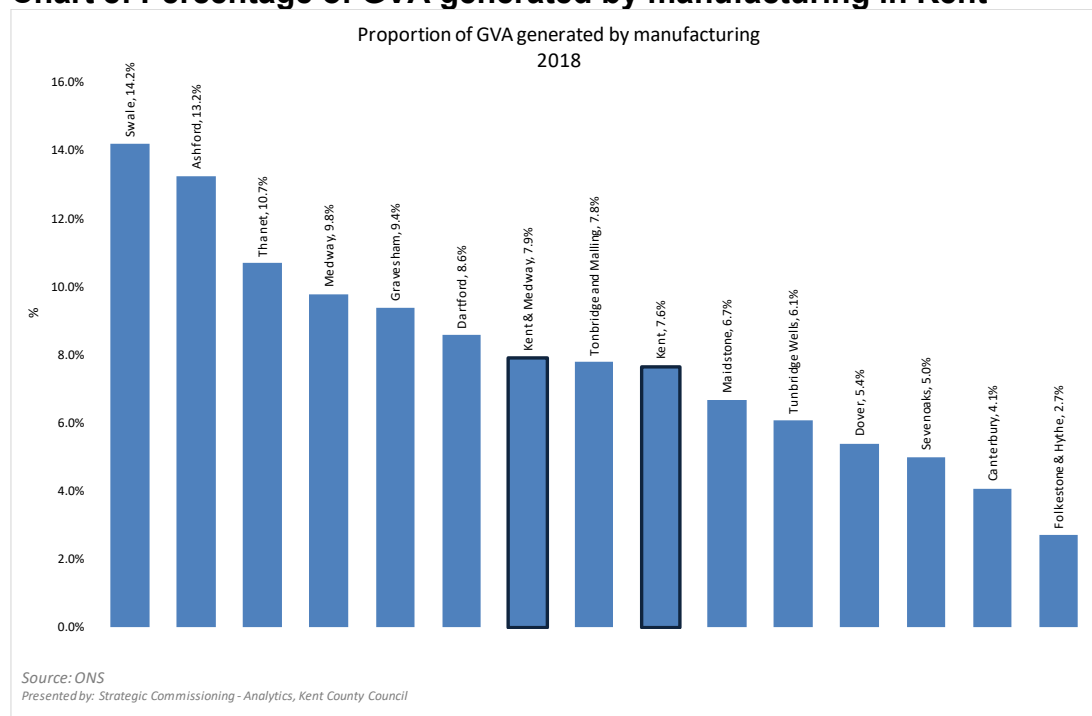
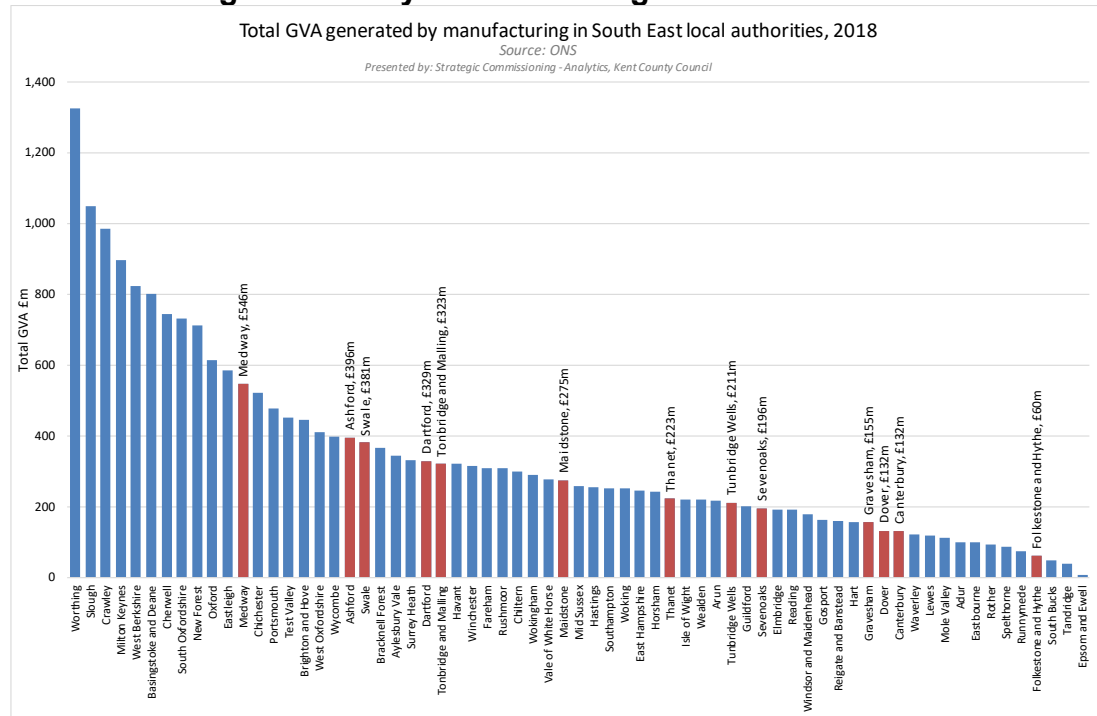




Chart 9 shows manufacturing GVA in all local authorities in the South East.

Medway Unitary Authority is within the top 20% of authorities in the South East with the highest manufacturing GVA. Folkestone & Hythe had the fourth lowest manufacturing GVA in the region.

**Chart 9: GVA generated by manufacturing in the South East**



## Manufacturing Industry Occupations

Information about the occupations in which residents work is available from the 2011 Census from ONS. This enables us to look at some industry specific occupations related to Manufacturing. The data gives us information based upon residence or work place i.e. it can tell us about people who work in an area (but may not necessarily live there) and people who live in an area (but may not necessarily live there).

7.0% of population working in Kent worked in manufacturing occupations at the time of the Census.

Swale district had the highest number (6,635) and proportion (12.7%) of workers working in manufacturing occupations in Kent.

Table 16 shows the occupational groups of workers working in manufacturing. A higher proportion (23.6%) of manufacturing workers in Kent were working in skilled trades occupations than the national average (22.5%).

These occupations include metal forming, machining and fitting, metal instrument making, textiles and printing trades and skilled food preparation.

**Table 15: Employment in Manufacturing occupations, 2011 – workplace based**

2011 Census	All in employment	Employed in manufacturing	% employed in manufacturing
Ashford	54,618	5,035	9.2%
Canterbury	66,713	2,868	4.3%
Dartford	54,972	3,369	6.1%
Dover	43,282	3,179	7.3%
Folkestone and Hythe	44,250	1,948	4.4%
Gravesham	32,015	2,472	7.7%
Maidstone	76,795	4,358	5.7%
Sevenoaks	46,402	3,471	7.5%
Swale	52,439	6,635	12.7%
Thanet	47,538	3,506	7.4%
Tonbridge and Malling	60,126	4,502	7.5%
Tunbridge Wells	54,985	2,765	5.0%
Kent	634,135	44,108	7.0%
Medway	98,648	8,340	8.5%
Kent & Medway	732,783	52,448	7.2%
South East	4,063,350	306,762	7.5%
England	25,087,843	2,214,020	8.8%

Source: 2011 Census; Table WP6604EW - Occupation by Industry

Presented by: Strategic Commissioning - Analytics, Kent County Council

**Table 16: Occupations of those working in Manufacturing industry, 2011 – workplace based**

2011 Census	Kent	Medway	South East	England
<b>Total manufacturing occupations</b>	<b>44,108</b>	<b>8,340</b>	<b>306,762</b>	<b>2,214,020</b>
<i>Managers, directors and senior officials</i>	12.8%	10.6%	13.9%	11.9%
<i>Professional occupations</i>	8.3%	13.5%	13.3%	10.0%
<i>Associate professional and technical occupations</i>	12.1%	13.4%	14.7%	11.5%
<i>Administrative and secretarial occupations</i>	9.1%	8.0%	9.2%	7.9%
<i>Skilled trades occupations</i>	23.6%	24.5%	21.4%	22.5%
<i>Caring, leisure and other service occupations</i>	0.7%	0.6%	0.6%	0.6%
<i>Sales and customer service occupations</i>	2.5%	1.8%	2.5%	2.2%
<i>Process, plant and machine operatives</i>	21.2%	18.8%	17.2%	24.0%
<i>Elementary occupations</i>	9.7%	8.8%	7.1%	9.4%

Source: 2011 Census; Table WP6604EW - Occupation by Industry

Presented by: Strategic Commissioning - Analytics, Kent County Council

As at 2011 6.7% of the working population of Kent were working in manufacturing industry occupations, below the national average of 8.9%. Swale district had the highest number working in manufacturing (6,526) accounting for 10.3% of residents in employment.

Folkestone and Hythe had the fewest residents working in manufacturing (2,526).

**Table 17: Employment in Manufacturing occupations, 2011 – residence based**

2011 Census	All in employment	Employed in manufacturing	% employed in manufacturing
Ashford	57,956	5,018	8.7%
Canterbury	66,079	3,382	5.1%
Dartford	49,818	3,230	6.5%
Dover	50,716	2,968	5.9%
Folkestone and Hythe	48,639	2,526	5.2%
Gravesham	47,868	3,593	7.5%
Maidstone	78,511	5,198	6.6%
Sevenoaks	56,499	3,195	5.7%
Swale	63,118	6,526	10.3%
Thanet	55,589	4,156	7.5%
Tonbridge and Malling	60,326	4,107	6.8%
Tunbridge Wells	57,630	2,825	4.9%
Kent	692,749	46,724	6.7%
Medway	127,127	9,660	7.6%
Kent & Medway	819,876	56,384	6.9%
South East	4,288,569	308,974	7.2%
England	25,308,888	2,242,259	8.9%

Source: 2011 Census; Table DC6604EW - Occupation by Industry

Presented by: Strategic Commissioning - Analytics, Kent County Council

Table 18 shows the occupational groups of Kent residents working in manufacturing. A higher proportion (23.7%) were working in skilled trades occupations than the national average (22.5%).

These occupations include metal forming, machining and fitting, metal instrument making, textiles and printing trades and skilled food preparation.

**Table 18: Occupations of those working in Manufacturing industry, 2011 – residence based**

2011 Census	Kent	Medway	South East	England
<b>Total manufacturing occupations</b>	<b>46,724</b>	<b>9,660</b>	<b>308,974</b>	<b>2,242,259</b>
<i>Managers, directors and senior officials</i>	13.6%	9.6%	14.5%	11.9%
<i>Professional occupations</i>	9.2%	10.1%	13.1%	10.0%
<i>Associate professional and technical occupations</i>	12.5%	12.7%	14.4%	11.4%
<i>Administrative and secretarial occupations</i>	9.0%	8.2%	9.3%	7.9%
<i>Skilled trades occupations</i>	23.7%	26.2%	21.6%	22.5%
<i>Caring, leisure and other service occupations</i>	0.7%	0.7%	0.6%	0.6%
<i>Sales and customer service occupations</i>	2.4%	1.9%	2.4%	2.2%
<i>Process, plant and machine operatives</i>	20.0%	21.1%	17.0%	24.0%
<i>Elementary occupations</i>	9.0%	9.7%	7.0%	9.4%

Source: 2011 Census; Table DC6604EW - Occupation by Industry

Presented by: Strategic Commissioning - Analytics, Kent County Council

## Qualifications

Information about the highest level of qualifications held by people who work in Kent is available from the 2011 Census from ONS. The data gives us information based upon work place and industry.

The level of qualifications as used in the 2011 Census are:

<b>Level 1</b>	1-4 O Levels/CSE/GCSEs (any grades), Entry Level, Foundation Diploma, NVQ Level 1, Foundation GNVQ, Basic/Essential Skills;
<b>Level 2</b>	5+ O Level (Passes)/CSEs (Grade 1)/GCSEs (Grades A*-C), School Certificate, 1 A Level/ 2-3 AS Levels/VCEs, Intermediate/Higher Diploma, Welsh Baccalaureate Intermediate Diploma, NVQ level 2, Intermediate GNVQ, City and Guilds Craft, BTEC First/General Diploma, RSA Diploma;
<b>Level 3</b>	2+ A Levels/VCEs, 4+ AS Levels, Higher School Certificate, Progression/Advanced Diploma, Welsh Baccalaureate Advanced Diploma, NVQ Level 3; Advanced GNVQ, City and Guilds Advanced Craft, ONC, OND, BTEC National, RSA Advanced Diploma;
<b>Level 4 and above</b>	Degree (for example BA, BSc), Higher Degree (for example MA, PhD, PGCE), NVQ Level 4-5, HNC, HND, RSA Higher Diploma, BTEC Higher level, Foundation degree (NI), Professional qualifications (for example teaching, nursing, accountancy);
<b>Apprenticeships and other qualifications</b>	Apprenticeship, Vocational/Work-related Qualifications, Foreign Qualifications (not stated/level unknown).

20.4% of people working in manufacturing in Kent were qualified to level 4 and above, below the national average of 23.9% and the regional average of 30%.

A higher proportion have lower qualifications (up to level 2) than seen nationally.

**Table 19: People working in manufacturing by highest qualification – workplace based**

	Kent	Medway	South East	England
<b>Highest level of qualification</b>	<b>44,108</b>	<b>8,340</b>	<b>306,762</b>	<b>2,214,020</b>
<i>No qualifications</i>	14.8%	14.1%	11.5%	15.1%
<i>Level 1 qualifications</i>	19.0%	18.0%	16.0%	16.9%
<i>Level 2 qualifications</i>	17.0%	14.9%	14.8%	15.5%
<i>Level 3 qualifications</i>	13.3%	12.5%	13.5%	13.4%
<i>Level 4 qualifications and above</i>	20.4%	23.9%	30.0%	23.9%
<i>Apprenticeships and other qualifications</i>	15.4%	16.6%	14.2%	15.3%

Source: 2011 Census; Table WP6503EW - Industry by highest level of qualification

Presented by: Strategic Commissioning - Analytics, Kent County Council

## Graduates finding employment in Manufacturing

The graduate leavers data is taken from an annual survey conducted by the Higher Education Statistics Agency (HESA). This survey is undertaken on completion of their course of study and is voluntary. Although the survey is on a voluntary basis, there is a consistently high response rate each year of around 85% of all leavers.

**Table 20: Graduates finding employment in manufacturing in Kent & Medway**

	2013/14	2014/15	2015/16	2016/17
<b>Total Manufacturing</b>	<b>215</b>	<b>155</b>	<b>175</b>	<b>205</b>
Food & Drink Manufacture	15	10	25	20
Clothing & Textiles Manufacture	5	5	5	10
Wood, Leather & Paper Manufacture	20	25	20	25
Petroleum, Chemicals and Plastics	50	45	40	50
Advanced Engineering	85	45	70	85
Other Manufacture	40	25	20	20

Source: HESA

Presented by: Strategic Commissioning - Analytics, Kent County Council

Of the 5,705 graduate leavers who found employment in Kent & Medway in 2016/17, 205 found employment in manufacturing industries. 40% of those manufacturing jobs were in advanced engineering.

**Chart 10: Proportion of graduates by manufacturing type**

