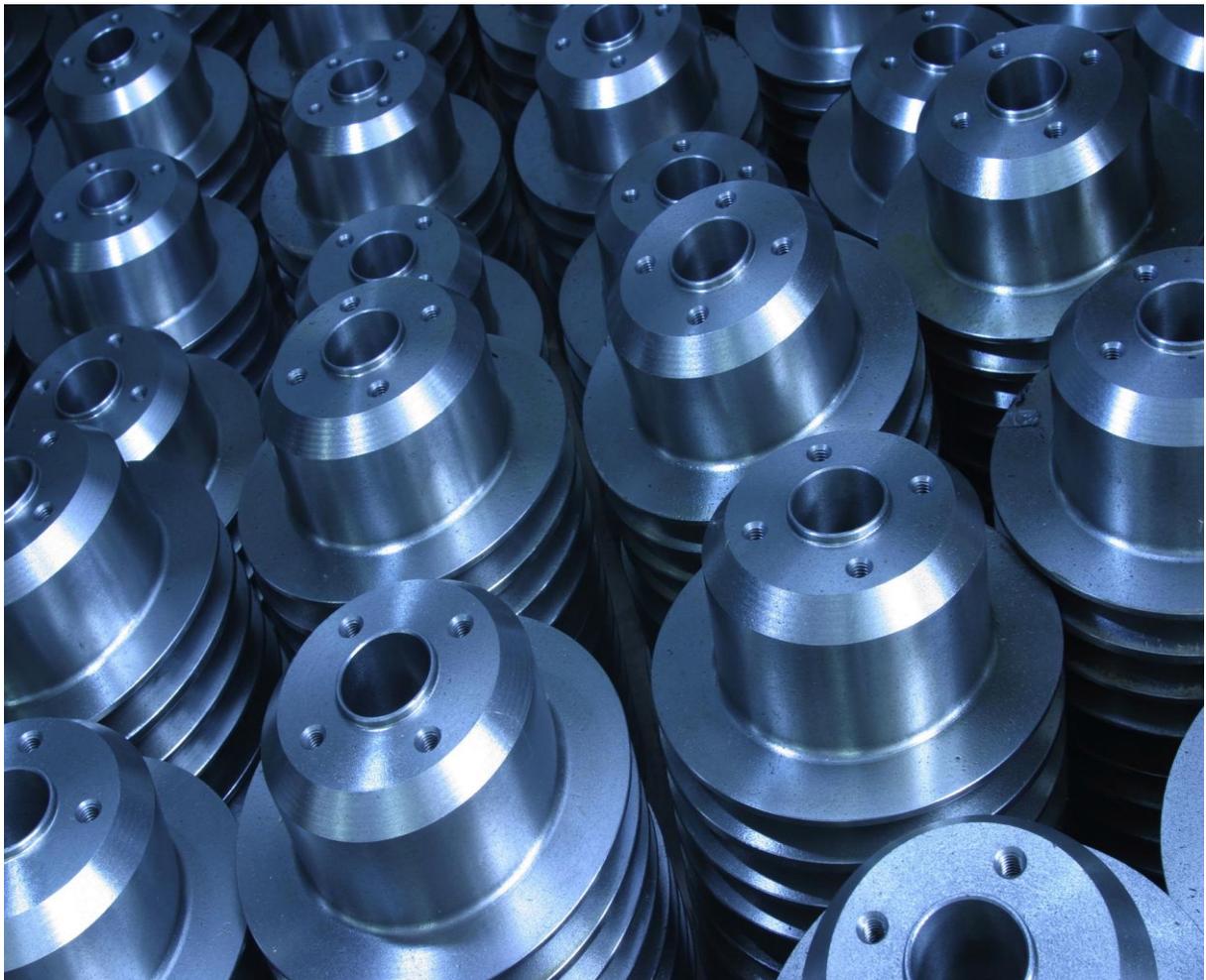


**Elevate Me Slough**



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**Employment in Slough 2015**

**Manufacturing**

### About the sector

The manufacturing sector covers a range of different activities in the production of goods, from handicraft to high tech. Such finished goods may be used for manufacturing other, more complex products, such as aircraft, household appliances or cars.

Overall numbers of jobs in manufacturing have fallen in recent years, due to technological advancements and through companies moving production to other parts of the world where labour is cheaper. However, the sector remains of vital importance to the local economy, particularly in terms of the manufacture of food, chemicals and pharmaceuticals.

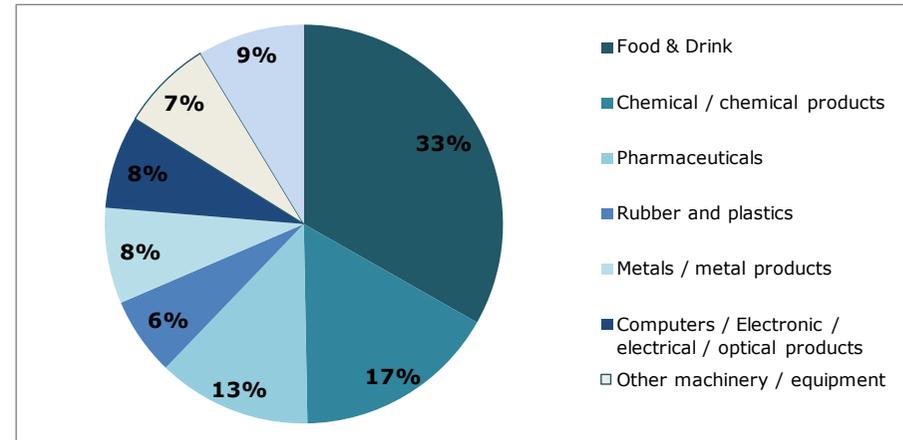
### Employment

Employment levels in the manufacturing sector are falling (nationally and locally).

In 2015, there were around 6,800 employee jobs in the manufacturing sector in Slough, with the biggest sub-sectors being food and drink and chemicals / chemical products.

Between 2015 and 2020 forecasts suggest that employment in the Manufacturing sector will increase by approximately 5% equating to the loss of approximately 350 jobs.

### Manufacturing Jobs in Slough

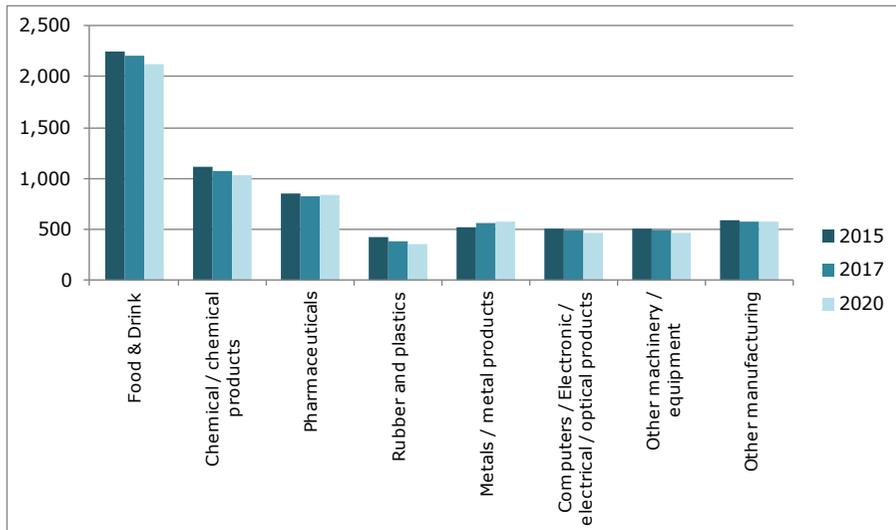


### Major Local Employers

Key local Manufacturing companies include:

- GlaxoSmithKline (Horlicks)
- John Crane UK Ltd
- Kidde Safety (Europe) Ltd
- Mars Chocolate UK
- Montana Bakery
- Sovrin Plastics
- Zodiac Interconnect UK

**Future Employment Growth**



The graph above shows that almost all areas of manufacturing are predicted to lose at least some jobs in Slough over the next five years, with only metals / metal products expected to grow in terms of job numbers.

**Future Occupational Growth**

Although the overall number of jobs in the manufacturing sector is forecast to fall, there will be vacancies created by people retiring and leaving the labour force. A total of around 1,700 vacancies are forecast in occupations that are commonly found in the manufacturing sector as a result of retirements, and the table below provides details for a selection of these occupations.

Occupation	Qual Level	Jobs 2015 (& % growth 2015-2020)	Vacancies created through retirements 2015 - 2020
Production managers and directors in manufacturing	6	830 (3%)	190
Packers, bottlers, canners and fillers	1	790 (0%)	130
Electronics engineers	6	370 (8%)	90
Buyers and procurement officers	3	330 (6%)	90
Fork-lift truck drivers	2	330 (2%)	80
Quality assurance and regulatory professionals	6	280 (3%)	70
Food, drink and tobacco process operatives	2	530 (-5%)	70
Laboratory technicians	4	290 (3%)	60
Purchasing managers and directors	6	190 (6%)	50
Metal working production and maintenance fitters	3	280 (0%)	50
Engineering technicians	3	210 (4%)	40
Chemical scientists	6	200 (1%)	30
Electrical engineers	6	120 (6%)	30
Production and process engineers	6	150 (-1%)	30
Routine inspectors and testers	3	150 (4%)	30

*'Qual level' is an indication of the typical level of qualification required to work in each occupation. Please refer to the [National Careers Services](#) website for a full explanation of each qualification level.*

**Occupations / Jobs Advertised**

Between January and September 2015 there have been approximately 2,400 jobs advertised online in Slough in occupations commonly found in the manufacturing sector. It should be noted that some of these vacancies will be with employers that don't operate within the manufacturing sector, for example, many engineering occupations are also frequently employed in the manufacturing sector.

The high numbers of vacancies being advertised suggests that there is strong demand locally for skilled engineering professionals.

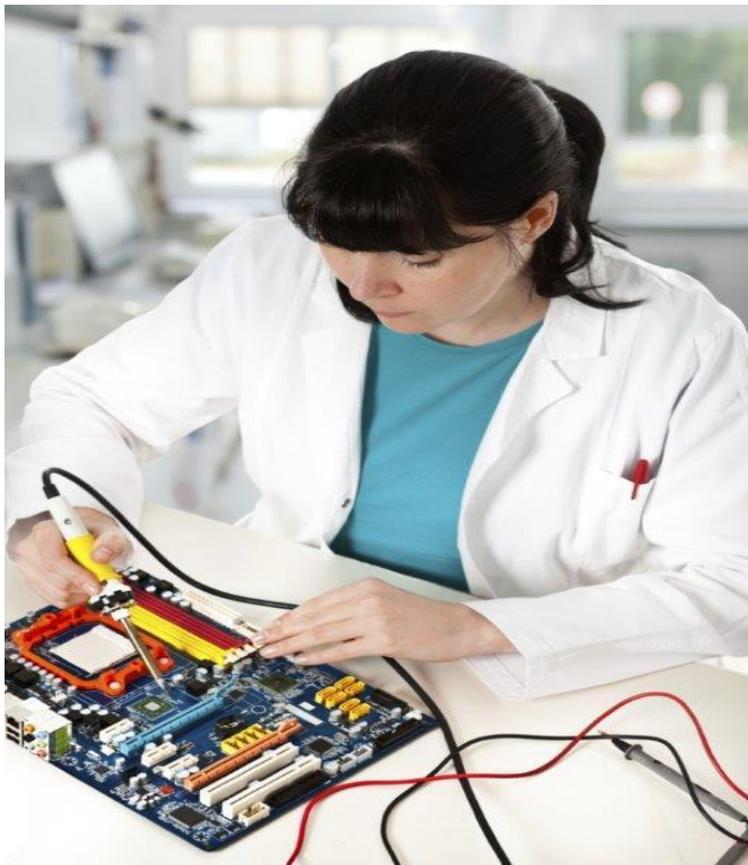


<b>Occupation</b>	<b>Qual Level</b>	<b>Job Postings*</b>
<a href="#">Electronics engineering technicians</a>	3	240
<a href="#">Other engineering professionals including food technologists, project &amp; technical engineers</a>	6	140
<a href="#">Design and development engineers</a>	6	130
<a href="#">Other science, engineering and production technicians, including technical assistants &amp; workshop technicians</a>	3	130
<a href="#">Production managers and directors in manufacturing</a>	6	120
<a href="#">Engineering technicians</a>	3	120
<a href="#">Metal working production and maintenance fitters</a>	3	110
<a href="#">Textile process operatives</a>	2	90
<a href="#">Quality assurance and regulatory professionals</a>	6	80
<a href="#">Routine inspectors and testers</a>	3	80
<a href="#">Electrical engineers</a>	6	70
<a href="#">Purchasing managers and directors</a>	6	60
<a href="#">Mechanical engineers</a>	6	60
<a href="#">Quality control and planning engineers</a>	6	50
<a href="#">Quality assurance technicians</a>	3	50
<a href="#">Draughtspersons</a>	3	50

*\* For vacancies posted online from 1st January to 1st September 2015. Please click on links for further information about these occupations from the National Careers Service website.*

**Advertised Salaries**

Based on information from local job advertisements posted online, the table below shows average full-time salaries for those occupations related to manufacturing that have been most frequently advertised online. Since the start of 2015, the majority of manufacturing-related jobs advertised offered annual salaries above £30,000.



Occupation	Average Salary Advertised
Electronics engineering technicians	£28,100
Other engineering professionals including food technologists, project & technical engineers	£37,700
Design and development engineers	£49,400
Other science, engineering and production technicians, including technical assistants & workshop technicians	£26,700
Production managers and directors in manufacturing	£43,300
Engineering technicians	£31,100
Metal working production and maintenance fitters	£29,000
Textile process operatives	£49,800
Quality assurance and regulatory professionals	£59,900
Routine inspectors and testers	£44,000
Electrical engineers	£38,700
Purchasing managers and directors	£71,000
Mechanical engineers	£42,400
Quality control and planning engineers	£38,700
Quality assurance technicians	£34,400
Draughtspersons	£38,400

## **Sector related courses**

Further Education Colleges and Universities in the Slough area offer a range of post-16 courses related to manufacturing occupations. Below is a small selection of examples:

[Level 1 City & Guilds Certificate in Engineering](#)  
[BTEC Level 2 Extended Certificate in Engineering](#)  
[Electrical & Electronic Engineering Technology Diploma Level 2](#)  
[Level 3 Diploma in Electrical Installation \(C&G\)](#)  
[Computer Aided Design \(3D\) City & Guilds Award Level 3](#)  
[Construction/Engineering Access to HE Level 3](#)  
[Level 3 Edexcel BTEC Diploma in Manufacturing Engineering](#)  
[Electrical Installation Initial & Fundamental Inspection & Testing Level 3](#)  
[BTEC Level 4 HNC Diploma in Mechanical Engineering](#)  
[Engineering HND Level 5](#)  
[BTEC Level 5 HND Diploma in Electrical & Electronic Engineering](#)  
[BEng Electronic Engineering](#)  
[Industrial Design and Technology BA](#)  
[Electronic and Communications Engineering BEng](#)  
[Advanced Mechanical Engineering MSc](#)

For further information on courses being offered in the area please use the following links:

### **Colleges**

[East Berkshire College](#)  
[Brooklands College](#)  
[Uxbridge College](#)  
[Bracknell and Wokingham College](#)

### **Universities**

[University of Reading](#)  
[Brunel University](#)  
[University of West London](#)

## **Apprenticeships**

There are also a wide range of **Apprenticeships** relating to this sector, which offer the opportunity to combine paid work with on the job learning towards formal qualifications. Below are some examples of relevant Apprenticeship frameworks that are available to study through local providers:

[Performing Engineering Operations Apprenticeship Intermediate](#)  
[Electrotechnical Technology Apprenticeship](#)  
[Advanced Apprenticeship in Engineering \(Craft and Technician\)](#)



## **Skills in Demand**

Data from recently advertised jobs in manufacturing-related occupations suggests that the following skills are sought by employers in this sector. This list provides examples of the sorts of skills required to work in the sector in some of the most commonly advertised vacancies, but is no means exhaustive.

- Repair
- Inspection
- Computer Aided Draughting/Design (CAD)
- Machinery
- Technical Support
- Mechanical Engineering
- Electrical Engineering
- Procurement
- Hand Tools
- LINUX
- Product Development
- Heating, Ventilation & Air Conditioning (HVAC)
- Packaging
- Lean Manufacturing
- Engineering Management
- Contract Management
- Purchasing
- AutoCAD
- Cabling
- Test Equipment
- Wiring
- Computer Numerical Control (CNC)
- Manufacturing Processes
- Electrical Design
- Validation

- UNIX
- 3G
- Mechanical Design

## **Employability Skills**

Employers are increasingly looking for skills that go beyond qualifications and experience when recruiting new employees. While education may enhance your eligibility for a job, today's workplaces require a varied mix of employability skills. These skills can be applied in any job in any sector, and include:

- Communication
- Self-management
- Thinking and solving problems
- Working together
- Understanding the business
- Using numbers effectively
- Using language effectively
- Using IT effectively

### **Data Sources**

1. Employment figures and forecasts have been produced using the EMSI Analyst tool which used Office for National Statistics data from the Annual Population Survey 2014 and the Business Register and Employment Survey 2013.
2. Real time vacancy data is sourced from Labour Insight (Burning Glass Technologies), and is based on vacancies posted online between 1st January and 1st September 2015.
3. Information on post-16 learning opportunities are from local providers' own websites.

Access to locally-informed and easy-to understand labour market intelligence is a key component of providing good quality careers information to young people, to assist them in making choices about what to do when they reach the end of their compulsory schooling. This series of sector-based reports brings together a range of employment and jobs data about the local economy, and is aimed at providing a resource to support all employability and careers professionals working in the Slough area.

Employment in Slough 2015 aims to help individuals by giving them locally targeted information about the likely levels of demand for different types of work, common skills requirements and sources of learning to pursue qualifications relevant to each sector. Hopefully these reports will help people make better informed choices relating to work and learning, that will enable them to secure the careers they want within a growing and diverse economy.

For further information or support, contact **Elevate Me Slough**

Email: [elevate@slough.gov.uk](mailto:elevate@slough.gov.uk)

Website: <http://slough.elevateme.org.uk/contact.htm>

Tel: 01753 875510 (Slough Young People's Service)

or

**Employment & Learning Advice Service (Slough Borough Council)**

Email: [ela@slough.gov.uk](mailto:ela@slough.gov.uk)

Website: [www.slough.gov.uk/jobs/employment-and-learning-advice.aspx](http://www.slough.gov.uk/jobs/employment-and-learning-advice.aspx)

Tel: 01753 476622 or 01753 476611

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The logo for Crews Associates features the word "Crews" in a bold, dark green font above the word "Associates" in a lighter green font. To the right of the text is a circular graphic composed of concentric, glowing green rings.

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