

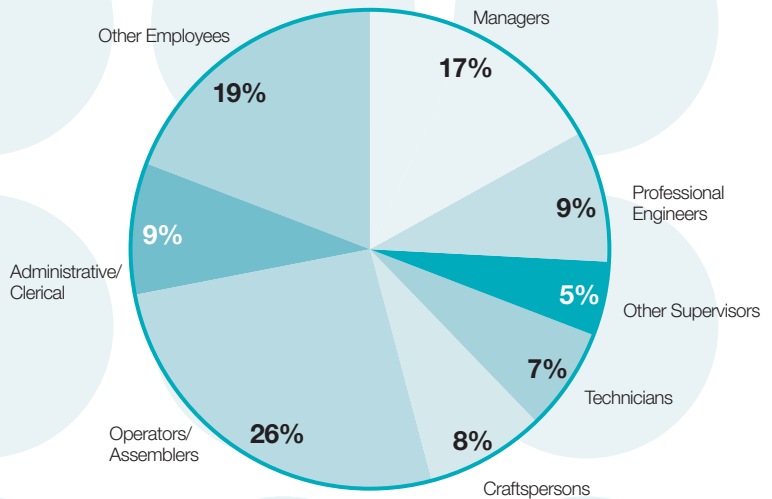


# Manufacturing

## What's happening?

- Manufacturing makes up a sixth of the UK economy, and accounts for over half of our exports.
- Despite decreasing employment levels over recent years, high tech manufacturing remains important to Hertfordshire in terms of employment. 25% of manufacturing employees are involved in the manufacture of machinery and equipment.
- There is a relatively high concentration of high tech manufacturing employment in Stevenage.
- The motor industry generated over £20 billion from overseas trade in 2005. The UK is fast becoming a global centre for engine manufacture.
- The automation of production lines and increased use of robotics have led to the need for higher level technical skills and IT operator skills.
- Employment in manufacturing has declined in recent years because of the comparatively low cost of manufacturing in other countries, particularly those in South East Asia and Eastern Europe.
- The impact of technological change will maintain a demand for professional and technical skills and a decline in craft and operator skills.

## Who does what?



Source: Labour Force Survey 2006, © Crown Copyright. Figures are for England

## Numbers employed locally

Hertfordshire	37,300
London & South East	402,300
Great Britain	2,613,300

Source: Annual Business Inquiry, 2005, © Crown Copyright. Figures do not include the self-employed, people under 16 or trainees without a contract of employment. Figures are rounded to nearest hundred.

## How much will I get paid?

Remember – many jobs will demand minimum entry qualifications. Those earning high salaries are usually well qualified and experienced and will continue to learn throughout their working life.

	Average annual salary
Plant & Machine Operator, Assembler	£20,339
Production & Maintenance Fitter, Metal Working Fitter	£24,305
Production Manager	£47,688

Source: Annual Survey of Hours & Earnings 2005, © Crown Copyright. Salary rates have been calculated using the average, gross pay (before deductions) for full-time workers in the UK.

## What we think will happen

- This sector predicts a fall in overall UK employment of 22% in 1983 to just over 10% in 2012. However, there will still be an annual demand for new staff. Hertfordshire is predicted to need 500 new entrants per year.
- There will be an increased demand for more flexible, 'multi-skilled' workers, who have both electrical and mechanical engineering skills. The demand for those with team leader skills will also increase.
- Skills shortages within the industry are likely to become more severe in the next five to ten years if more young people do not enter the industry, as the current workforce is an ageing one.
- The engineering Apprenticeship has the largest number of apprentices in training of all sectors in the economy.
- Environmental audits of manufacturing businesses are becoming more commonplace and they will increasingly need to reduce effluent and toxic waste.
- There will be a new qualification called a Diploma in Manufacturing available from September 2009. This will help people prepare for university, college or work. Look out to see whether it's going to be on offer in your area.

## Is this you?

- Enjoy making things
- Always pay attention to detail.
- Interested in craft, design and technology

## What local students did in 2006

In 2006 a total of 1,383 Year 11 local school leavers entered full-time employment or work-based training. Of this number, 19 went into manufacturing related work.

Source: Connexions Hertfordshire 2006.

## Some job suggestions

- Production Manager/Worker
- Plastics Process Operative
- Printer
- Quality Controller/Tester

## Next steps...

### If you're serious about this type of work - FIND OUT MORE!

Use your Connexions area or visit your local Connexions Centre or One Stop Shop for information about jobs; qualifications; local training; further and higher education; skills and personal characteristics; rates of pay and working conditions; local, national and international employers.

## Really useful websites and resources!

SEMTA - Sector Skills Council for Science, Engineering and Manufacturing Technologies – [www.semta.org.uk](http://www.semta.org.uk)

Apprenticeships – [www.apprenticeships.org.uk](http://www.apprenticeships.org.uk) or call the **helpline on 08000 150600**

Look out for a website about the new Manufacturing Diploma – this will be publicised through your school or college.

E-Clips (information about careers and lifestyle issues)

– [www.connexions-hertfordshire.co.uk](http://www.connexions-hertfordshire.co.uk)

Fast Tomato (interactive careers guidance)

– [www.hertsft.com](http://www.hertsft.com)

Jobs4u (careers database)

– [www.connexions-direct.com/jobs4u](http://www.connexions-direct.com/jobs4u)

Working in Booklets – case studies of people in a variety of jobs. Try your Connexions area, or download them from [www.connexions-direct.com](http://www.connexions-direct.com). Go to careers>career resources>download publications>Working In.

**Please contact your Connexions Personal Adviser for further information and advice.**

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**The information in this leaflet can be made available in other languages and formats. Contact the Information Team on 01462 704 914.**

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