

ADVANCED MANUFACTURING

What is Advanced Manufacturing?

Do you want to work in a constantly changing, high tech industry? Do you want a job where you get to see raw materials transformed into products such as car parts, tools, clothing, food and drink, furniture? If yes, then manufacturing could be for you.

Manufacturing is about making things. Most manufacturing is automated so that goods can be produced in large volumes to meet demand. Advanced manufacturing involves the use of technology to improve products and/or the process of making them.

Key Information

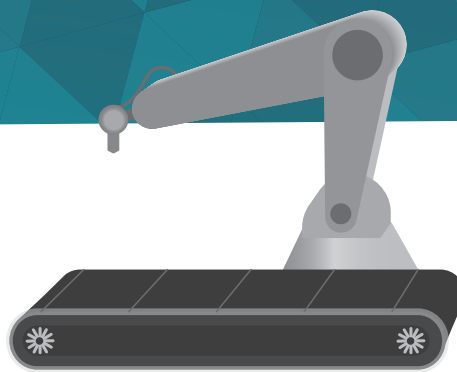
Over 19,000 people work in Advanced Manufacturing in the Tees Valley.

There were over 300 Advanced Manufacturing vacancies and 2,400 Manufacturing vacancies advertised online in the Tees Valley in 2018.

Only 24% of the current workforce is female.

Although the Advanced Manufacturing industry is not predicted to grow over the next few years there is predicted to be over 1,000 jobs available from those who will leave and retire.

Careers range from manual labour to highly skilled jobs and management roles. There are shortages in advanced manufacturing positions, especially for skilled engineers, and skilled workers such as joiners, machine operatives and welders.



Useful Subjects

- Science
- Mathematics
- Technology and Design
- Engineering

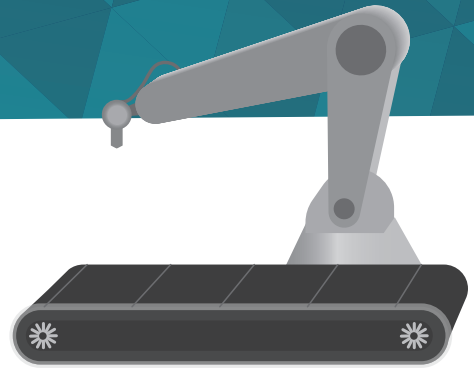
Skills and Qualities

- Communication
- Problem solving
- Organising and Planning
- Team Work

Top 5 specialised skills most requested in Advanced Manufacturing job adverts

1. Project Management
2. Quality Assurance and Control
3. SAP (Systems, Application and Products) software
4. Engineering Design and Installation
5. Machinery skills

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Average annual salaries in the Tees Valley

Production Manager	£45,500
Manufacturing Engineer	£37,600
Welder	£24,100
Production Worker	£18,500

Routes into Advanced Manufacturing

Apprenticeships are a well-respected route into Advanced Manufacturing with many Advanced Manufacturing employers offering well established apprenticeship programmes. Many employers will support work based and academic development through on the job and off the job training, including paying for higher education qualifications. For more information on apprenticeships please visit www.apprenticeships.gov.uk

Further Education in a college or sixth form is also a well-established route into Advanced Manufacturing where qualifications in STEM subjects (Science, Technology, Engineering and Maths) will give you an advantage. To search for a course please visit www.ucasprogress.com.

Higher education is also a popular route into Advanced Manufacturing with courses in subjects such as electrical engineering, mechanical engineering and product design. To find out more please visit www.ucas.com.

More Information:

Semta

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