

### THE MANUFACTURING SECTOR

Manufacturing refers to the making of articles using machinery, turning raw materials into final products.

Sheffield was built on manufacturing industries thanks to its combination of hills and rivers providing power to factories, and it is still a large employer in this sector today with over 40,000 jobs locally.

The most obvious form of manufacturing is the large factories all over Sheffield, particularly in the north east of the city, but there also many smaller industries making all manner of including stainless steel, cutlery, medical equipment and more.

Advanced Manufacturing is part of the wider manufacturing sector in Sheffield and South Yorkshire and builds on the long history in Sheffield and South Yorkshire of manufacturing and making things.

Advanced manufacturing focuses on hi-tec jobs, rather than the more traditional type of manufacturing and includes sectors such as Aerospace; Cars; Atomic Energy and Chemicals.

The Advanced Manufacturing Park on the Sheffield and Rotherham border is home to some of the world's biggest manufacturers including Rolls Royce, Boeing and McClaren etc.



### ROUTES INTO EMPLOYMENT IN THIS SECTOR

- Apprenticeships
- T- Levels
- University/College/ Training Provider
- Traineeship
- Work experience

### USEFUL SKILLS

- Practical and technical skills
- Creativity
- Safety awareness
- Problem solving
- Attention to Detail
- Teamwork
- Listening and speaking
- Creative Thinking

For more information on the essential skills required for work, visit [www.skillsbuilder.org](http://www.skillsbuilder.org)

### USEFUL SUBJECTS

- Maths
- English
- Design
- Physics
- ICT



## ABOUT TODAY'S EXHIBITORS TECOMET

Tecomet, a leading provider of precision manufacturing solutions for the Medical Device and Aerospace & Defense markets, is defined as an "Essential Business". This designation allows our global locations to remain open in order to deliver high quality products and services to our valued customers. Additionally, Tecomet has implemented a Business Continuity Plan (BCP) as defined by the Center for Disease Control (CDC) to protect our workforce. Together as One Tecomet, we will continue our mission of providing high value solutions to the Medical Device and Aerospace & Defense markets.

Tecomet is the market leading provider of manufacturing solutions for complex, high-precision products and services for the Medical Device and Aerospace & Defense markets. Tecomet operates seventeen (17) global manufacturing facilities in five countries around the world and employs over 2500 people. Tecomet does work for companies in the aerospace and defence industries and the medical devices sector. Tecomet is a multi-national company with offices across the world.

## TYPES OF JOBS AVAILABLE

- Aerospace Engineer
- Automotive Engineer
- Blacksmith
- Foundry Process Operator
- Glassmaker
- Manufacturing Supervisor
- Metrologist
- Mechanic
- Product Designer
- Quality Control Assistant
- Research and Development Manager
- Tool Maker
- Welder

## EMPLOYERS IN THIS SECTOR

- Tecomet
- Sheffield Forgemasters
- Rolls Royce
- Maher
- Nikken
- British Steel
- UK Atomic Energy Authority

## MORE INFORMATION ON THIS SECTOR

<https://www.tecomet.com/>

<https://www.madeinsheffield.org/>

<https://amrctraining.co.uk/>

<https://nationalcareers.service.gov.uk/job-categories/manufacturing>



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<https://www.youtube.com/channel/UCpU67tn9lL0wNVNO4Ubxt3A>



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