

# Knowledge is Power:

## Manufacturing

The Manufacturing sector involves creating a product. This could be food, textiles, metal products, machinery, furniture and more. For example, a job in manufacturing might see you working as an **aerospace engineer, crane driver, product designer** or in other exciting and varied roles. **Let's take a closer look at Manufacturing!**

### Did you know?

- + West Yorkshire is known for its specialism in Manufacturing – the sector is around a third larger here than it is nationally
- + Manufacturing covers 10% of all jobs in our region – that's 105,000 jobs!
- + Vacancies in the Manufacturing sector have increased by 81% since the start of the pandemic

### How can Manufacturing change the world?

Companies in the Manufacturing sector are always looking for newer, quicker, cheaper and more sustainable ways of creating products. The leaps forward these companies make then spread. Think about a race car team. They find new ways of designing and building faster, more sustainable cars which then allows mainstream manufacturers to do the same. How could you change the world through manufacturing?



### You could be suited to a career in Manufacturing if you:

- Enjoy solving problems
- Like making tough decisions
- Enjoy being creative
- Work well as part of a team

Explore your skills: [Search 'FutureGoals Next Steps Toolkit'](#)

### Useful subjects to have:

- English
- Engineering
- Maths
- Science-related subjects
- Design & Technology

### How can you get a Manufacturing job?

Finish your education (this needs to be at least your GCSEs)  
Further education (such as A Levels, a T Level or a BTEC diploma)

**OR**

Apply for an apprenticeship

**YOU COULD ALSO**

Attend university to study a relevant subject

Get your qualification

Search for employment opportunities

Talk to the National Careers Service:

[nationalcareers.service.gov.uk/contact-us](https://nationalcareers.service.gov.uk/contact-us)

Or your school/college Careers Adviser:

## Top vacancies:

Assembler → Average salary: £19,000

Manufacturing operator → Average salary: £20,000

Production manager → Average salary: £44,000

## What does the future hold for Manufacturing?



### Manufacturing cybersecurity strategist

Responsible for helping prevent threats from hackers and other cyber troublemakers.



### Virtual reality/augmented reality system specialist

Responsible for helping demonstrate a product or process in a virtual setting.



### Collaborative robotics specialist

Responsible for implementing robotics platforms that “collaborate” with humans and for training robotics operators.



Take it further: Visit

[futuregoalsvwx.co.uk/sectors](https://futuregoalsvwx.co.uk/sectors)

to learn about Manufacturing careers and try our activities

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