

Interested in a MANUFACTURING AND ENGINEERING career in the WEST MIDLANDS?

National Careers Service

Helping you take
the next step

Aerospace engineer • Auto electrician • Automotive engineer • Broadcast engineer
CAD technician • Chemical engineer • Civil engineer • Design engineer • Dressmaker
Energy engineer • Food processing worker • Garment technologist • Gas service technician
Glassmaker/engraver • Land surveyor • Machine printer • Manufacturing supervisor
Manufacturing systems engineer • Meat process worker • Mechanical engineer/technician
Motor vehicle technician • Nuclear engineer • Packaging technologist • Paint sprayer • Physicist
Quality control technician • Quantity surveyor • Quarry engineer • Rail engineering technician • Satellite systems technician
Security systems installer • Sheet metal worker • Structural engineer • Studio sound engineer • Textile machinery technician
Textiles production manager • Toolmaker • TV or film sound technician • Watch or clock repairer • Welder • Wood machinist

EXAMPLES OF MANUFACTURING AND ENGINEERING EMPLOYERS IN THE WEST MIDLANDS

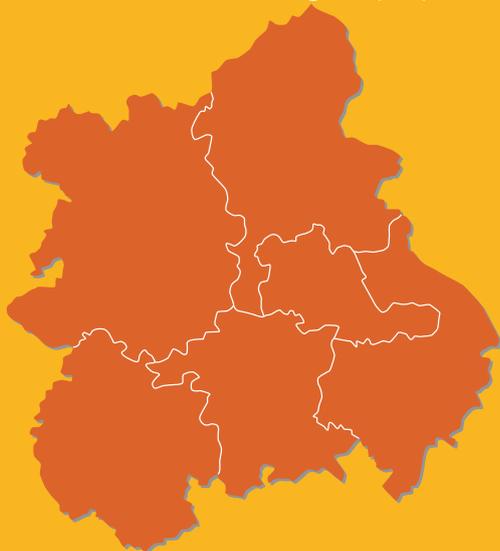
Jaguar Land Rover Automotive

Boparan • JCB Service

Toyota Manufacturing (UK)

IMI • Tarmac

ECOBAT Technologies (UK)



Molson Coors Brewing (UK)

Alstom

Rolls –Royce Power Engineering

Tulip • RPC

Bombardier Transportation UK

Carlsberg UK

Bloor Investments • Caterpillar UK

Michelin Tyres

Samworth Brothers

Sims UK

Schneider Electric



50,285



employed in the
manufacture of fabricated
metal products, except
machinery and equipment

49,863



employed in the
manufacture of motor
vehicles, trailers and semi-
trailers

30,811



employed in the
manufacture of food
products

22,872



employed in the
manufacture of rubber and
plastic products

12,855



employed in the
manufacture of basic metals

8,769



employed in the
manufacture of computer,
electronic and optical
products

6,813



employed in the
manufacture of furniture

ENTRY AND QUALIFICATIONS

There are several entry points for this sector. Apprenticeships are available and you can gain qualifications at all levels through to postgraduate level.



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SALARIES can range from:



Engineering Draughtsperson £17,000 - £30,500

Production Planner £22,500 - £40,000

Aeronautical Engineer £24,500 - £50,000



IMPORTANT FACTS ABOUT MANUFACTURING AND ENGINEERING

- The food and drink industry is the single largest manufacturing sector in the UK, employing more than 400,000 workers. By 2022 it will require 109,000 new recruits to meet the skills needs of the sector.
- The manufacturing and engineering sector is working to attract a more diverse workforce and encourage more women, and people from a wider range of backgrounds to become engineers.
- In the aerospace industry it is estimated there will be global demand for 27,000 new passenger planes and 40,000 commercial helicopters by 2031 leaving openings for more people to be employed in this sector.
- By 2020, the UK will be producing two million vehicles a year, compared to its current annual total of around 1.5 million. More than 5,000 jobs at vehicle and engine producers could be created, along with up to 28,000 in the supply chain, by the early 2020s.



SKILLS REQUIRED



• An analytical and logical approach to solving problems



• An interest in maths, science and technology



• Teamwork / interpersonal skills



• Communication skills

• Organising and planning skills



• Problem solving skills



• Technical and practical skills

• Budget skills



• IT skills • Presentation skills



• Health and safety awareness

More Information

- <https://nationalcareersservice.direct.gov.uk/Pages/Home.aspx>
- <https://www.gov.uk/topic/further-education-skills/apprenticeships>

Source BRES (NOMIS)

