



Advanced manufacturing and engineering

Top vacancies advertised online in West Yorkshire 2017:

- Business sales executives
- Production managers
- Engineering technicians
- Design & development engineers
- Welding trades

Manufacturing is changing due to advances in process innovation, design, new technology and changing customer demand and many jobs are in clean, high-tech environments. Advanced manufacturing involves the use of computers and new technology, including robotics and data driven technologies, to design and process products. Engineers work on the design, development and production of anything from smart phones to driverless cars, furniture to wind turbines.

- West Yorkshire is renowned for its world-leading precision engineering and high quality design and manufacture of a wide range of products including textiles, components such as gears, valves and turbochargers, furniture and wood products, food and drink.
- In Leeds City Region, advanced manufacturing is a key growth sector and has the largest employment in this sector in the UK.

- There are 5,310 manufacturing businesses in West Yorkshire employing 99,000 people.
- Advanced manufacturing has an ageing workforce, and although the overall number of jobs in Leeds City Region is forecast to drop by 20,000 between 2014-2024, it's expected there will be 19,000 vacancies over this period to replace those who leave.
- Two-thirds of the world's turbochargers are made here.

In the future... Growth in this sector will be in highly skilled jobs rather than the more traditional side of engineering.

Types of job	National average salary
Mechanical engineer	£46,909
CAD designer	£31,290
Biologist	£42,715
Engineering technician	£36,397
Electronic engineer	£45,354
Welder	£26,515
Maintenance fitter	£32,128

Skills/qualities

- Mechanical aptitude
- Problem solving, practical and theoretical
- Communication
- Decision making
- Ability to meet deadlines
- Organisation and planning skills
- Team work
- Health and safety aware

Useful subjects include;

- Maths, English and ICT
- Sciences
- Design and technology
- Business

Some local employers

- Camira Fabrics
- Cummins Turbo Technologies
- Group Rhodes
- Harrison Spinks
- Radio Design
- Airedale Chemicals

More information...



www.theengineer.co.uk



www.tomorrowseengineers.org.uk



www.semta.org.uk



www.futuremorph.org



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