

Advanced Manufacturing and Engineering

**National
Careers
Service®**

Approximately 90,000 people
work in the manufacturing sector
across the Greater Birmingham
and Solihull area.

Birmingham and Solihull

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Advanced manufacturing companies are those manufacturers that integrate innovative technologies in their products and processes to remain competitive.

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Local employers include:

- AE Aerospace
- Changan
- Collins Aerospace
- GKN Aerospace
- GKN Automotive
- Grayson Thermal Systems
- Guhring
- HS2
- IMI
- Jaguar Land Rover
- Mondelez
- Integrated Project Services (IPS)
- Morgan Advanced Materials
- ThyssenKrupp Aerospace
- Rolls Royce
- Westley Engineering

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Job roles are varied and include:

- Aerospace engineer
- Automation engineer
- Automotive engineer
- CAD technician
- Data scientist
- Electronics engineer
- Maintenance fitter
- Materials technician
- Mechanical engineer
- Production plant manager
- Quality control technician
- Rail engineering technician
- Robotics engineer
- Sheet metal worker

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Employers are particularly looking for:

- Advanced digital and ICT skills
- An interest in maths, science and technology
- Analytical, logical reasoning and problem solving skills
- Good attention to detail
- Project management skills
- Communication, collaboration and interpersonal skills
- Ability to speak other languages
- Technical and practical skills

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While technological advances mean that some jobs will become automated, there will still be roles at all levels for those looking to work in this sector.

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New technologies in robotics, big data and advanced analytics, cloud computing, virtual and augmented reality, artificial intelligence and 3D printing are transforming the sector.

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