

## Job Description

<b>Reference</b>	Vacancy 413	<b>Job Title</b>	Manufacturing Engineer
<b>Department</b>	Engineering	<b>Hours of Work</b>	Days – 37 Hours
<b>Type of Contract</b>	Contract or Employed	<b>Contract Duration</b>	Ongoing or Permanent
<b>Reporting to:</b>	Manufacturing Engineering Manager	<b>Responsible for:</b>	N/A

### COMPANY INFORMATION

CAD CAM Automotive (CCA) is an established and growing Automotive Engineering company who for over 100 years have been involved in the design and development of some of the world's most iconic vehicles. CCA have recently secured a £300 million investment from China Red Sun Group, one of China's Top 100 companies. Within the next three years, CCA will be moving to a brand new, purpose built facility and significantly increasing our headcount.

#### What can we offer you?

- Competitive salary
- Excellent overtime rates
- 33 Days Holiday including public holidays each year
- Employer paid health cash plan (covering optical, dental plus other benefits)
- Contributory pension scheme
- Life assurance
- Corporate discounts
- Employee referral scheme
- Provided company branded workwear
- Incentives for qualified first aiders

### JOB PROFILE

#### Overall Purpose and Aims of the Job Role

The Manufacturing Engineer will provide feasibility inputs for body in white (BIW) assembly, focusing on all types of manufacture activities from welding to riveting – They will determine/evaluate build sequences, from prototype build development through to low volume manufacture.

#### Key Tasks – Roles & Responsibilities

- Provide manufacturing feasibility into the engineering & manufacturing teams ensuring the manufacturing restraints are fully understood.
- Implementation and planning of BIW production lines and associated handling equipment, tooling, including assembly systems.
- Provide support and advice on facility integration for BIW sub assembly content, main assembly and framing stations
- Attend engineering design reviews with suppliers, advising on manufacturing feasibility
- Create detailed build sequences and process operation sheets, including tooling information, component information and quality requirements
- Provide support and advice on facility integration for new models
- Understand process information, facility layouts, Bill of Material (BOM) structures and build sequences

- Work within a quality framework implementing Kaizen (continuous improvement) Six Sigma and 5S initiatives.
- Co-ordinate Change Management activities into the vehicle build
- Support pilot build operations and proto-type manufacture, ensuring product quality is not compromised.
- Support Process Failure Mode Effects Analysis (PFMEA) activity
- Gain a thorough understanding of existing and introduce new technologies where required i.e. to improve quality, reduce cost etc.

## PERSON SPECIFICATION

### Technical/IT and Educational Requirements

Essential	Desirable
<ul style="list-style-type: none"> <li>• Previous work experience within a similar role</li> <li>• Automotive engineering/manufacturing background</li> <li>• Microsoft Excel, Word &amp; Outlook</li> </ul>	<ul style="list-style-type: none"> <li>• Relevant degree in engineering or manufacturing</li> </ul>

### Competencies

Essential level of competency	Desirable level of competency
<ul style="list-style-type: none"> <li>• An in-depth knowledge of BIW assembly processes &amp; how parts are made</li> <li>• Ability to plan and design experiments</li> <li>• Experience of working in team environment in a technical role</li> <li>• Process writing &amp; mapping experience</li> <li>• A good understanding of PFMEA</li> <li>• Poka Yoke/ error proofing knowledge</li> <li>• Automotive tier 1 or OEM Experience</li> <li>• Change management experience</li> <li>• Attention to detail</li> <li>• Time management</li> <li>• Ability to adapt to changing priorities</li> <li>• Ability to progress chase, manage deadline expectations, report progress &amp; flag areas of concern</li> <li>• Strong communication skills</li> <li>• Good numerical and IT skills for reporting</li> <li>• Ability to be flexible regarding working hours and location</li> </ul>	<ul style="list-style-type: none"> <li>• Familiar with:               <ul style="list-style-type: none"> <li>○ Time and Motion Studies</li> <li>○ Self-Piercing Rivet (SPR) Processes</li> <li>○ Technical paper writing</li> <li>○ IMDS knowledge</li> <li>○ BIW adhesive/sealant knowledge</li> <li>○ Plan facility layouts</li> <li>○ Six Sigma awareness</li> </ul> </li> </ul>

### Other Information

- Applicants must have the unrestricted right to work in the UK
- CAD CAM Automotive is an equal opportunity employer

**If you are interested in applying for this role please submit a copy of your CV and cover letter to [HR@cad-cam-automotive.co.uk](mailto:HR@cad-cam-automotive.co.uk)**

Visit our website for further details about CAD CAM and our exciting opportunities  
[www.cad-cam-automotive.co.uk](http://www.cad-cam-automotive.co.uk)