

Job Description

Reference	337	Job Title	Manufacturing Engineer - BIW
Department	Engineering (D42)	Hours of Work	37 Hours Per Week
Type of Contract	Contract Employed	Contract Duration	On-going Permanent
Reporting To	Manufacturing Engineering Manager		
Responsible For	N/A		

JOB PROFILE

Overall Purpose and Aims of the Job Role

Specialising in providing manufacturing feasibility for new vehicle concepts and determining/evaluating build sequences, from prototype build development through to low volume manufacture. The Manufacturing Engineer provides technical inputs for body in white (BIW) assembly and press tooling, focusing on all types of manufacture from welding to riveting.

Health & Safety Responsibilities

- To comply with the statutory provisions of the Health and Safety at Work Act 1974 and any Company policy in regards to health and safety including the wearing of PPE.
- To assist with accident investigations and to assist in putting measures in place to avoid repetitions.
- To assist with the completion of risk assessments.
- To ensure all employees have access to a safe working environment and company health and safety policy is applied including the enforcement of PPE
- To maintain a good level of housekeeping

Key Tasks – Roles & Responsibilities

- Implementation and planning of BIW production lines and associated handling equipment, tooling, including assembly systems.
- Provide manufacturing feasibility into the engineering & manufacturing teams ensuring the manufacturing restraints are fully understood.
- Manage facility integration for BIW sub assembly content, main assembly and framing stations
- Attend engineering design reviews with suppliers, advising on manufacturing feasibility
- Create basic 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
- Support pilot build operations and prototype 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"> • Relevant degree in mechanical engineering process engineering/manufacturing engineering • Microsoft Excel, Word & Outlook 	<ul style="list-style-type: none"> • Ability to use Catia V5

Competencies

Essential level of competency	Desirable level of competency
<ul style="list-style-type: none"> • Automotive engineering/manufacturing background • An in-depth knowledge of BIW assembly & press tooling processes • A thorough understanding of how parts are manufactured in an automotive environment • Ability to plan and design experiments • Process writing & mapping experience • A good understanding of PFMEA • Attention to detail & time management • Ability to adapt to changing priorities, progress chase, manage deadline expectations, report progress & flag areas of concern • Strong communication skills • Good numerical & IT skills • Ability to be flexible regarding working hours and location • UK driving licence 	<ul style="list-style-type: none"> • Familiar with: <ul style="list-style-type: none"> ○ Time and Motion Studies ○ Self-Piercing Rivet (SPR) Processes

Company Requirements

<p>Processes</p> <ul style="list-style-type: none"> • To follow Company policies • To ensure that confidentiality and data protection is respected and maintained at all times. • To ensure Company waste management and environment policies are followed. <p>General</p> <ul style="list-style-type: none"> • To perform any other duty as directed by line management which is safe to complete and you have appropriate knowledge to carry out. • The responsibilities outlined above cannot totally encompass or define all tasks, which may be required of the post holder. The outline of responsibilities given above may, therefore, vary from time to time.
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Other

<ul style="list-style-type: none"> • In order to be considered for this role candidates must be able to prove eligibility to work in the UK • CAD CAM Automotive is an equal opportunity employer • This role may require international travel, as they'll be a requirement to visit suppliers

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