

ROLE DESCRIPTION

Role Title:	Design Engineer
Department:	New Product Design & Development
Role Type:	Full-time/permanent
Location:	Mildenhall
Reports to (Title):	Head of New Product Design

Role purpose:

Reporting to the Head of New Product Development, the Design Engineer is responsible for the conceptualisation, design, build, verification, and validation of new products. CamdenBoss is a leading UK electro-mechanical company, offering electrical components such as terminal blocks and a suite of enclosures produced via a variety of methods including; injection moulding, die-casting and in-house plastic fabrication. Supports company's aim of being UK trusted partner for electronics enclosures

Key Accountabilities:

- Demonstrates a good understanding of 3D modelling (SolidWorks or Solid Edge preferred) for fabricated plastic, design enclosure, through utilising a variety of tools
- Using a MRP system to generate and manage BOM's effectively
- Designs fabricated enclosures, ensuring prototypes are delivered on time and production packs are completed in line with production schedules
- Demonstrates an in depth understanding of Design for Manufacture and Cost, liaising with Production Engineers and Quality/Manufacturing teams to improve designs
- Process Engineering Change Requests (ECRs) ensuring changes meet customer requirements
- Collaborate with suppliers and customers to ensure CamdenBoss repeatedly delivers to expectations
- Participates in design reviews, providing constructive feedback and creative ideas to enhance designs
- Demonstrates good hand skills and ability for building flat sheet fabricated prototypes
- Carry out research and development to improve design outputs/product offerings
- Demonstrates a good ability to solve problems; working with production and customers to find the optimum solution
- Able to transition designs from CAD to CAM with support from Production Engineering
- Completes engineering tasks in a timely and efficient manner in line with internal processes to provide a quality service for internal and external customers
- Follows all relevant policies, procedures, and instructions so that work is carried out in a controlled and consistent manner and to ensure compliance with all legal and regulatory requirements
- Complies with health and safety policy and procedures, local practices and control measures and report risks, accidents or near misses promptly to contribute to a safe workplace
- Carries out any reasonable activity to support the performance growth and profitability of Camden Boss

Decision making and influence:

- Required to make project-based decisions
- Direction is available as required from line manager
- Act as a role model for the Design function, leading by example and championing the Core Values in all activities and interactions.

Role Description – Design Engineer

Knowledge, Skills & attributes:			
Essential		Desirable	
1	Educated to a minimum of a Level 4 qualification and industry experience	1	Educated to level 5 or higher
2	Strong user/practitioner of 3D CAD systems	2	Sound knowledge and experience within a electro/mechanical business environment
3	Ability to effectively interact within multiple areas of the business at all levels	3	Sound knowledge and experience within a sheet plastic fabrication/assembly business environment
4	Experience in a manufacturing environment	4	Sound knowledge and experience within an Injection moulding business environment
5	Ability to communicate/present technical information concisely and to a non-technical audience	5	Sound Knowledge and experience within a sheet metal fabrication environment
6	Understanding of New Product Development processes and Design for Manufacture	6	Understanding of fits and tolerances
7	Effective management and prioritisation of tasks	7	Understanding of Lean manufacturing principles
8	Ability to conceptualise, design and verify product to customer specifications	8	General understanding of electronic design principles
9	Strong customer focus – driven to find the optimum solution for both Camdenboss and the customer	9	Project management experience
10		10	

Other information:	