

CAD Draftsperson (Yeadon)

Working within a multi-skilled electronics development team, as a CAD Draftsperson you will be responsible for a wide range of tasks related to technical drawings for new prototypes and updating existing designs. You will have a strong background in mechanical or product designs and in-depth knowledge of drawing standards and should be highly proficient with CAD software (AutoCAD and SOLIDWORKS) to produce 2D and 3D files for Engineers and other business functions.

Key responsibilities and accountabilities:

- a) Using our CAD software (AutoCAD and SOLIDWORKS) produce 2D and 3D CAD files for design/project engineers, approvals manager, production, CNC VMC, mechanical and electrical drawings for manuals, sales etc.
- b) Create 3D models for concept visualisation, proof of mechanical design integrity and manufacture purposes. Produce 2D mechanical detail drawings of 3D parts to industry standards (BS 8888).
- c) Create and maintain library of models and parts for reusability.
- d) Work with our in-house Machine Shop to ensure that all the created drawings adhere to best practices and lean manufacturing techniques to maximise product profitability.
- e) Transform the 3D model files so they can be used on the CNC VMC with minimum manual programming.
- f) Help in creating product prototypes, source material for proof of concepts, design and create parts using 3D printer for evaluation, etc.
- g) First article inspection and Quality assurance of the first articles from new suppliers.
- h) Prepare and maintain design files such as drawings, assembly drawings/documents, BOM, product document register, Labels, production/manufacturing build packs, manufacturing/production test rig's work instructions (liaise with senior engineers), etc.
- i) Ensure product document nomenclature and maintenance policies are adhered to.
- j) Responsible for execution and administration of change requests to update drawings (new and existing), models and other files via DCN and ECN.
- k) Help in testing new products and using analysis to review / improve product design so they can withstand harsh industrial environments (secondary responsibility).
- l) Run multiple tasks/projects in parallel (switch to the highest priority task as and when required).

The above tasks are the key aspects of the role but, like any other role, it is not possible to specify every single task and requirement of the role and you are required to carry out any reasonable task required of you.

Essential Requirements

- (i) Bachelor's degree or similar qualification in a related discipline (mechanical engineering/ product design/ digital modelling).
- (ii) You must have experience (professional experience or university experience) of designing technical drawings to be considered for this role.
- (iii) Strong background in mechanical or product designs.
- (iv) Experience of working with AutoCAD and SOLIDWORKS.
- (v) Knowledge of drawing standards.
- (vi) Good development, documentation, release and revision management skills.
- (vii) Dedicated individual who works hard to achieve assigned targets.

Desired Criteria

- (i) Hands on experience of conceptualising, designing and developing products for manufacture, reliability and ease of use.
- (ii) Working knowledge of JIRA and version control system (SVN).

Personal attributes

- (i) Detail orientated and an analytical mindset.
- (ii) Used to working in a fast paced, changing environment.
- (iii) A good team player capable of delivering results under pressure and to strict deadlines.
- (iv) Ability to communicate effectively with clients and colleagues.
- (v) Will and ability to constantly learn and improve skills.
- (vi) Quality focused and well organised.
- (vii) A positive "can do" enthusiastic attitude towards addressing the assigned issues and projects.
- (viii) Demonstrate initiative, communication and interpersonal skills.

(Initial Salary £19,000 to £21,000, depending on experience.)

Apply Now

If you'd like to join our diverse and inclusive team send your CV and cover letter explaining the suitability for the role to: careers@don.co.uk

We look forward to hearing from you,

The DonElec Group