

## Job Description

Position	Design Engineer
Date	August 2022
Reports to	Engineering Manager
Reports	None

## Responsibilities

**Key duties:**

- Design fit-for-purpose components, sub-systems and assemblies of cryogen systems
- Full product design, from concept to manufacture
- Provide mechanical design input to develop new systems and mechanisms or improving existing ones
- Design for Manufacturing & Assembly (DFM & DFA)
- Create CAD concepts, parts and assemblies in line with functional requirements, geometric tolerances, manufacturing techniques and internal standards
- Support CAD releases and reviews to program milestones, ensuring completion and release on time
- Provide technical support to both internal and external customers
- Accurately produce manufacturing documentation and Bills of Materials (BOMs)
- Work effectively with internal departments to support introduction of new products

**Key skills:**

- An understanding and awareness of manufacturing and assembly techniques and processes
- Understanding of Materials Resource Planning (MRP) and Engineering Change Request processes
- A broad knowledge of engineering and materials technology is highly desirable. You will understand manufacturing best practice and design for manufacture.
- Able to work well individually as well as within a team

## Qualifications and Experience

Qualifications	Mechanical Engineering degree or equivalent
Experience	Cryogenic experience desirable but not required Competent user of 3D CAD, ideally ProE CREO and Windchill PDM
Expected starting salary	£25K-£35K

## Details

Written by	Greg Graf
Employee Name	
Signed by employee and date	