

Job Title:	Mechanical Design Engineer – Cryo products	Position Type:	Full Time
Location:	Laughton, East Sussex	Travel Required:	5%
HR Contact:	personnel@quorumtech.com	Date posted:	April 15, 2019

Job Description

ROLE

Quorum Technologies is a leading manufacturer of sample preparation equipment for the electron microscope market. The role of Mechanical Design Engineer – Cryo products is a new position due to growth of the company and will provide Mechanical Engineering and CAD support for the range of cryo products. The post is based in Laughton.

RESPONSIBILITIES

Producing 3D models and 2D CAD drawings to BS888
 Create CAD (Solidworks) BOMs and Assembly structures, allocating new part numbers from development models for new products.
 Liaising with OEM design departments in order to integrate the cryo product line into their products
 Carrying out other reasonable tasks as required by Management

QUALIFICATIONS AND EDUCATION REQUIREMENTS

Degree or HND in Mechanical Engineering or similar discipline.
 Key Words: Mechanical | Design Engineer | Solidworks | Vacuum | SAP |

REQUIRED EXPERIENCE

5-10 years' experience working within vacuum technology or cryogenic sectors
 Mechanical Designer with emphasis on vacuum cryogenic technology background.
 Must be familiar with Solidworks & PDM.
 High Vacuum Systems Design & Testing (in order of 1×10^{-7} mbar).
 Experience & knowledge of SAP Small Business One an advantage.
 Experience in LN₂ cooled systems and conductive coating technology an advantage.
 Proficiency in Microsoft Office Suite, especially Microsoft Excel.

PREFERRED SKILLS

Able to produce manufacturing drawings for vacuum flanges, machined components and welded assemblies.
 BOM structuring and maintenance.
 Design calculations for vacuum system components.
 Excellent communication skills (both oral and written)
 Ability to work to tight timescales
 Solid organisational skills and the ability to prioritise a varied workload
 Self-motivated person with an ability to work with a low level of supervision