



Job Description:

Senior Mechanical Design Engineer

Founded in 1991, **Equipment Support Company (ESC)** started maintaining and upgrading physical vaporising deposition systems (PVD) before designing and building its own PVD solution. Over subsequent years, **ESC** expanded into all types of vacuum processing including E-beam evaporators, environmental chambers, vacuum furnaces and paralyne coaters, developing solutions for a wide range of industries around the world including aerospace, FMCG and automotive. Due to a growing order book, and a need to grow the Engineering Team and develop the product range, **ESC** have a requirement for a Senior Mechanical Design Engineer.

Roles & Responsibilities:

- Design and development of machines and products, including the mechanical design of component and assemblies, hydraulic and pneumatic design and configuration
- Ensure customer specification, configuration and requirements are fully understood and feasible prior to commencement of design work
- Assure that all design work is carried out in accordance with BS8888 and internal standards
- Liaise with suppliers and manufacturers to source appropriate components and services
- Provide technical support to the commercial, service and production teams as required
- Manage design documentation following internal processes, archiving documents as appropriate
- Perform administrative tasks including engineering DCR requests and changes, manual updating, BOM creation systems and producing machine specifications
- 3d modelling and detail drawing using Solidworks
- Competent user of MS Office

Desirable Skills:

- Understanding of vacuum systems, pumps, fittings and relevant components
- Qualified to HND/Degree level and a minimum of 5 years' experience in special machinery design and development
- Experience of creating P&ID schematics
- Knowledge of Solidworks PDM
- Able to plan projects using Smartsheet or similar project management tools
- Experience of FEA and simulation tools

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Performance:

- Able to manage own workload effectively
- Collaborate on projects with internal team and external clients, taking ownership as required
- Comfortable suggesting ways to improve a product or process
- Able to solve issues through a problem solving process (PSP)
- Familiarise and work to latest company processes and procedures
- On occasion, flexible in working pattern to meet deadlines and milestones
- A responsible attitude to all areas of work and the company's continued welfare
- Keenness to develop one's career and professional growth

Our Offer:

The position is office based in Somersham, Cambridgeshire. Benefits include, system and process training programs, competitive remuneration package with 30 days leave including bank holidays, registration on the company nominated pension scheme with company contribution and life insurance.

Remuneration will be negotiable based on ability and experience to £40-45K PA.

Please send your CV and covering letter to: richard.windsor@equipment-support.com

Equipment Support Company Ltd