

# Electrical Design and Application Engineer Bedford (Heat Sealing)



A fantastic opportunity has arisen within Ceetak Ltd, a leading UK provider of sealing solutions, for an Electrical Design and Application Engineer to work in a busy team within our well-established Heat-Sealing Technology Division.

The company's capabilities include design, development and manufacturing. Based in Bedford, the company has been established for almost 50 years, experiencing healthy growth year upon year. Ceetak is dynamic, fast paced, and engineering led, operating in a wide spread of markets including medical, battery, process and food

## Reporting to the Engineering Manager, the Electrical Design and Application Engineer's duties will include but are not limited to:

- Creating system designs conforming to Machinery Directives
- Producing concept designs and cost estimates for the Technical Account Manager
- Interactions with customers where required
- Adhering to defined processes and best practices
- Working with all departments to ensure company and customer requirements are met
- Problem solving, promoting product development
- Technical reviews with sales engineers and customers to establish application and requirements
- Design and development of components and assemblies for heat-sealing applications.
- Producing technical drawings and PDF files, including detail and assembly drawings for production.
- Pneumatic design for machines and modules, pipe and cable routings around machines and modules.
- Preparation of part costings and production of 'bill of materials'. Creating assembly drawings, instructions, manuals, spares lists, technical files.
- Technical assistance to workshop staff for production of assemblies
- Ensuring compliance to UKCA & CE directives and risk assessments
- Customer support and liaison to provide technical expertise
- Developing and testing new and existing technologies
- Machine setup, testing, demonstration and customer FAT's (Factory Acceptance Testing)
- Assist with on-site installations and commissioning when necessary

## Key Skills

- Experienced electrical design engineer, experience of electrical schematic design
- Knowledge of Electrical/Electronic Engineering and Pneumatic Systems in automation
- Previous exposure to machine manufacturing and machine assembly
- Full product training will be provided on Ceetak technologies, but it is essential to have the solid technical background to understand and develop further
- Results orientated and focused on achieving objectives.
- Relevant industry and product experience.
- Ability to design machine modules and frames, understanding of machining processes to be able to specify suitable and achievable tolerances.
- Some mechanical/mechatronic experience would be preferable

## Qualification and Education Requirements

- Knowledge of industry standards and machinery directives
- BTEC / HNC / Degree in Electrical / electronic engineering
- Ideally a minimum of 4 years' experience in Automation and Mechanical Engineering, preferably in the packaging industry, using 2D and 3D CAD packages

**Salary: £45,000 - £55,000 (depending on experience).** If you meet the above criteria then please apply now by emailing: [recruitment@ceetak.com](mailto:recruitment@ceetak.com)  
+ Bonus + Contributory Pension Scheme + Health Care Scheme.