

# Electrical Design Engineer

**Based: Riggs Autopack, Premier Mill, Brunswick Street, Nelson, BB9 0HU**  
**£- Competitive**

Riggs Autopack is a market leading designer and manufacturer of filling machines and depositors for the food, industrial, chemical, and pharmaceutical industries. Our machines have an outstanding reputation for assisting customers in filling sensitive, delicate and difficult to handle products and we support our customers with excellent after sales service. We are proud to have won the prestigious PPMA awards for Sales Excellence 2 years running. Privately owned, we are a successful part of a successful group of companies and have been established for over 80 years. We are now looking to recruit an Electrical Design Engineer to join our team.

Working as a member of the Design team, you will support the Sales Engineers & Mechanical design Engineers in determining the system architecture and what equipment will be needed such as Motors, Servos, Drives, Instrumentation & PLC. You will create electrical control circuit schematics for standard and bespoke machinery. You will apply your engineering knowledge of constraints to designs to ensure they are produced to customer specification and meet all necessary manufacturing guidelines. You will be willing to work hands-on, when required, with the production team to help meet customer requirements and on the development of new products. You will create new, and refine existing electrical drawings, ensuring conformity to the required Health & Safety standards for the relevant industry directives as well as producing BOMs, technical documentation and manufacturing/installation / operating instructions as required.

Your duties will also include:

- Responsibility for producing the relevant project requirements including 2D (AutoCAD) electrical schematic drawings, back plate layouts, block cable diagrams and test schedules
- Compilation and structure of electrical BOMs
- Ensuring system designs & drawings are inspected prior to release
- Providing feedback and rectifying engineering drawings and bill of material errors.
- Creating support documentation including user manuals, instructions, troubleshooting guides etc.
- Working with third party suppliers to determine signalling and communication requirements for ancillary upstream & downstream equipment
- Undertaking customer site visits, mainly in the UK, which may involve occasional overnight stays

The following skills / experience are necessary:

- Degree / HND / HNC in an electrical / electronic discipline
- Demonstrable experience in a similar electrical design role within a bespoke machinery building environment
- Strong electrical knowledge of 230vAC, low voltage and DC control systems
- Experience running several projects at a time from conception through to completion including customer site visits, calculations, specifications, drawings etc.
- Appreciation of PLCs, HMIs, Servo drives & Motion control
- Working knowledge of the relevant standards governing the controls automation, machine building industries
- Experience working independently at customer facilities

The following skills / experience are desirable:

- Experience working with Solidworks 3D CAD would be preferable
- Experience in PLC programming, Rockwell Logix and/or Mitsubishi GX Developer would be a plus

This is a permanent position working 40 hours per week based at head office in Nelson, Lancashire. To register your interest and apply, please send your CV to: [recruitment@riggsautopack.co.uk](mailto:recruitment@riggsautopack.co.uk) in the first instance. All applications will be treated in the strictest confidence.