

Project Engineer - Electric

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Company: BURN MANUFACTURING

Location: Ruiru

Category: architecture-and-engineering

About the Role: BURN is looking for a Project Engineer – Electric to lead NPI (New Product Introduction) launch and development activities for our range of Electric induction and pressure cookers. This person will be responsible for a combination of mechanical and electrical activities including but not limited to manual assembly operations, cycle and TAKT time calculations, work instructions and standard operating procedures (SOPs), metal stamping and forming, designing tools/jigs/fixtures for use by factory production, assisting with software development, testing and in-line controls for product functionality and error detection. The individual must be able to personally implement engineering concepts on the production floor. To ensure that BURN's engineering global standards are followed and adhered to within the product development team, including stage-gate deliverables and the completion of engineering documentation. To collaborate with various engineering departments at BURN Kenya's head office to ensure that BURN is meeting its goals. Duties and responsibilities: Will be a member of the NPI cross-functional team. Design and project management of fixtures and Jigs for assembly lines. Production Line Layout Process Flows Capacity Models and Utilization Models Line Balancing, headcount reduction, time studies. Costing of Assembly Processes – with the support of the Head of Engineering Coordinate with the supply chain for full product pricing using the existing ERP system. Continuous Improvement action reducing costs. Work instructions. Standard Operating Procedures related to Engineering activities. Will be responsible for the analysis, simulation, and review of electronic prototypes. Able to support our existing engineering team and build electronics design/assembly capacity. Assist with proof-of-concept simulations that support design

reviews. Support preparation of comprehensive documentation for all electrical designs, including wiring diagrams/schematics, bill of materials, assembly drawings, design changes, test reports, design validation plan, and reports to ensure installation and operations. Assuring product quality by designing electrical testing methods; and testing finished products and system capabilities. Conducting electrical circuit hardware testing and troubleshooting Maintaining accurate documentation of concepts, designs, drawings, and processes, especially for production. Skills and Experience: Graduated with an electrical engineering degree, mechanical and industrial engineering qualifications are also considered providing the candidate can prove knowledge of electrical engineering principles. Experience with simulation tools such as MATLAB, EAGLE, Proteus etc. Understanding of PCB design constraints. Understanding of electronic appliances assembly process. Experience with failure analysis and root cause identification. 4+ years of experience in manufacturing, experience within sheet metal factories and/or manual product assembly lines is preferred. Conversant with CAD software, e.g., Solidworks, and AutoCAD. Capable of reading engineering drawings and a good understanding of tolerances and allowances. Strong analytical skills. Strong MS Excel, Word, and PowerPoint skills. Strong communication and presentation skills. Fluent in English. Lean Six Sigma green belt holders are preferred. PMP-certified candidates are preferred. Qualified Female Candidates encouraged to Apply BURN does not charge a fee at any stage of the recruitment process (application, interview, meeting, processing, training, or any other fees). Powered by JazzHR

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