

Job Description

Manufacturing Engineer

Simcona Electronics Corporation

December 22, 2022

Simcona is a regional leader in contract manufacturing services for building electrical control panels and multiconductor cables. These are two highly specialized manufacturing processes that are in great demand as a way to strengthen supply chains for manufacturers of industrial equipment, transportation vehicles, and infrastructure (power & fluids) systems. Simcona is a company committed to providing a great place to work and a challenging work environment.

Job Summary: A Manufacturing Engineer is responsible for production efficiencies, elimination of waste, and product quality for Simcona Manufacturing Services. Responsibilities include Industrial Control Panel Assembly and Multiconductor Cable Manufacturing offered as a service to our customers.

This position reports to the Engineering Manager and will work collaboratively with the engineering, quality, and production teams.

A manufacturing engineer at Simcona must have a background in or have studied **electrical and mechanical technology**.

Manufacturing Engineer will work as a team member and assist with interpreting technical documentation (electrical & mechanical), provide customer support, help maintain and repair automation equipment, participate on continuous improvement programs, assist with production team, help implement Quality Systems, and assist various functional teams within Simcona.

The Manufacturing Engineer must possess demonstrable technical expertise in electrical and mechanical engineering. The individual assigned to this responsibility must be self-directed and must show initiative in identifying and resolving opportunities for improvement and promoting effective behaviors.

Responsibilities & Duties:

- Engineering, including detailed work to create and review electrical and mechanical technical documentation
- Production, including general support, new project introductions, engineering changes, and training of production staff
- Participate in continuous improvement activities to enhance processes and the quality system, such as 5S, Kaizen Lean Methods, Six Sigma etc.
- Sales Support, including pre-sales work on new opportunities to review customer documentation, create cost estimates for new projects, and create new project plans & schedules.
- Assist in training production and support staff on the skills required to work independently on the manufacture of industrial control panels and multiconductor cable
- Quality, including helping with product quality from raw materials supply to finished products
- Hands-on programming, troubleshooting and repair of production automation equipment

Qualifications & Skills

- BS in Electrical Engineering, Mechanical Engineering or Mechanical/Electrical Technology (ME Tech).
- Entry Level candidates, including, new graduates with internship experience, will be considered
- Expert at reading and interpreting technical documentation including but not limited to electrical schematics, mechanical drawings, bills of materials, parts/components specification, and product requirements (functional, quality, environmental, ruggedness, etc.)
- Strong written, oral, and interpersonal skills.
- Exposure to, training on, and /or certifications in Quality Systems and Lean Six Sigma
- Proven problem-solving skills and ability to lead a cross functional team through a root cause analysis and implementation of resulting corrective actions
- Proven ability to document both internal and external documents in the form of procedures and reports to communicate direction as well as findings from investigation
- Proficiency in hands-on programming, troubleshooting and repair of production automation equipment
- Experience with design practices and problem-solving techniques such as DMAIC and FMEA
- Ability to work in a team environment
- Exhibit attention to detail
- Disciplined to contribute to and follow policies and procedures according to the company Quality Management Systems
- Strong Statistical analysis, knowledge of sampling plans and root cause analysis / problem solving techniques
- Proficient with measurement systems and Measurement System Analysis (MSA)
- Ability to manage a varied workload and prioritize effectively
- Self-directed, creative, and focused on continuous improvement

Working Environment

- Normal manufacturing conditions always requiring safety observation
- Light physical effort necessary to perform the job
- Working near/around moving mechanical parts

Confidentiality

- The Manufacturing Engineer has access to confidential company information relating to vendor/customer relationships, products, organizational growth strategies and company strategic plans. A high degree of confidentiality is required.