



Hydrogen is the future, we can sense it™

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Manufacturing Engineer

About H2scan:

H2scan is the world leader in providing solid-state hydrogen sensors. Our sensors are considered the gold standard for improving electrical distribution reliability, optimizing measurements in refinery & petrochemical plants, and are ideal to monitor/measure hydrogen concentration in fuel cells, electrolysis, and hydrogen distribution pipelines to reduce carbon emissions. When you join our team, you will be working side by side with talented engineers, scientists, and manufacturing professionals. You will be developing exciting, cutting-edge products to enable the expansion of the Hydrogen Economy, which is a cornerstone to the planet's decarbonization. From fuel cell vehicles to hydrogen-powered appliances, the opportunities are limitless. We offer highly competitive compensation, a flexible work schedule, and a fast-paced, fun work environment.

Department: Operations

Reports to: Manufacturing Engineering Manager

Job Description:

Key individual in the development of manufacturing processes for new product introduction, documenting process changes, driving process / fixture improvements, driving lead and cycle time improvements, cost of quality (COQ), and Environment, Health & Safety (EHS) actions.

Responsibilities:

- Resolve day to day manufacturing issues to meet quality and delivery requirements
- Participate in LEAN initiative and engage Six Sigma tools for process improvements
- Develop and implement process improvements to reduce costs and cycles
- Design fabrication of fixtures and tooling for assembly and test.
- Designs, develops, and sustains industrial control system hardware, software, and interfacing systems
- PLC code design, feature deployment, Design of Industrial Control schematics and wiring diagrams
- Participate in EHS related actions
- Interface with Manufacturing, Engineering, R&D, Marketing, and Suppliers to complete projects to meet production, quality, cost savings, EHS, and new product development goals within schedule and budget
- Document procedures in support of manufacturing
- Create and review ERP bills of material and manufacturing methods
- Evaluation of processes, systems, and tools for effectiveness

6/21/2022

- Works with operators to refine and streamline the specific areas within a value system in support of leadership initiatives
- Serves as a safety promotor and business culture champion

Qualifications:

- Bachelor's degree from an accredited college or university
- Experience in electro-mechanical manufacturing environment
- Knowledge of tool and fixture design
- Familiarity with Lean Manufacturing
- Ability to analyze problems, identify root causes, and provide efficient solutions
- PLC Programming (Allen Bradley, Automation Direct, etc.)
- 3D CAD (SolidWorks preferred)
- UL508A – Industrial Controls Standard
- Strong organizational skills
- Ability to handle diverse activities simultaneously
- Good interpersonal skills
- Able to communicate in oral and written form
- Electrical and Automation Systems Troubleshooting
- Hands-on tools and equipment fabrication

Benefits:

- Health Insurance benefits
- 401(k)
- Life insurance
- Family leave (parental, maternal)
- Bonuses
- Equity/stock options
- Three weeks paid vacation
- Paid sick days
- FSA/HSA
- Cell phone reimbursement

H2scan is an Equal Opportunity Employer