**Process Engineer – Metglas (Conway, SC)**

Metglas, Inc., located in Conway, SC, is a world leading producer of [Amorphous Metal Ribbon](https://metglas.com/company-products-and-services/).

Since our company began in the 1970’s, Metglas, Inc. (then Allied Signal located in Morristown, NJ) pioneered the development and production of amorphous metal, a unique alloy that exhibits a structure in which the metal atoms occur in a random pattern. The key to Metglas Inc.’s proprietary manufacturing process is the rapid-solidification of molten alloy at a rate of approximately one million degrees Celsius per second.

***Job Duties:***

* For smooth migration from initial sample to production, analyze product and process capability of samples with sample shop members.
* Develop/modify/improve production process with Operation/Process Engineering team to achieve target quality, cost, delivery and productivity.
* Establish safety procedures for individuals and equipment operations.
* Design and plan equipment layout.
* Estimate production costs.
* Troubleshooting manufacturing issues.
* Optimize existing manufacturing processes.
* Find opportunities to improve productivity or capital investment with Operation and/or Process Engineering team for continuous cost down and/or business expansion.
* Analyze customer’s input from Sales team for new inquiry or improvement requirement, then prepare Metglas output (proposal) about quality/cost/delivery/performance/packaging/etc. as a product specification or drawing for all custom products.
* Analyze supplier’s input/request from Procurement team (or suppliers/tolling companies) about new equipment or new/running product specifications, then prepare Metglas output (proposal).
* Prepare specification/drawing of purchasing components for custom products and/or running component’s design change before offering to vendors through Metglas Purchasing team.
* Calculate cost for QRF then feedback to Sales team. Evaluate price proposal then feedback to Procurement team.
* Conduct product/purchasing component design review with consideration of manufacturing process capability, quality, cost, and delivery.
* Prepare FMEA, CP (Control Plan) and WI (Working Instruction) for sample (when required) and scale production.
* Prepare/review the draft of quality related document (PPAP, audit, countermeasures of running item’s complaint (8D, etc.)) working with appropriate divisions, then review to finalize with Manager of Engineering Div. Request QA approval and ask Sales to respond to the customers/suppliers.
* Become a member of Metglas’ Global Team of custom products business development.
* Requires domestic and foreign travel for customer/supplier/tolling company/related companies factories visit from technical aspect.

***Key Success Factors (Specific expectations during first 6 - 12 months):***

* Hands-on approach to execute projects.
* [3 month] Mutual understanding of running project among Product, Process, and Equipment engineers, then reprioritize them.
* [3-12 month] Execute prioritized project, show cost/quality/productivity/revenue impact quantitatively.

***Attributes/Skills Required/Sought:***

* Working knowledge of product designing/equipment designing/processing/PDCA cycles.
* Knowledge of soft magnetics (product), electrical, and mechanical background (product/process/equipment) and those measurements.
* Knowledge of statistic quality analysis.

***Experience/Education Required/Sought:***

1. BS or MS in Electrical , Electromagnetic, Industrial, Material Science, or other related Engineering specialty.(Product)
2. 2D/3D-CAD, machine designing.
3. Computer and data analysis skills, fundamental QC tools & Statistical Process Control

***Full Time Benefits Start on Day 1 and include:***

* Medical
* Dental
* Vision
* 401k - you can contribute right away, w/match after 12 months of employment
* Life Insurance
* AD&D
* Voluntary & Supplemental Benefits
* Paid Time Off & Paid Holidays
* Advancement/Career Path Opportunities

Visit ***metglas.com*** to learn more about what we do.

Equal Opportunity Employer (EOE)