

Xycarb Ceramics USA, Inc. is seeking a Manufacturing/Mechanical Engineer for our Georgetown, Texas facility. Xycarb is a highly dedicated and leading global organization, who has been providing integrated packages of certified consumable parts of quartz, graphite and ceramics plus related services for almost 30 years. In addition, refurbishment and repair services are available to support optimization of cost of ownership programs. All our activities are served from the perspective to provide Pure Excellence.

The Manufacturing/Mechanical Engineer will develop, prepare, maintain and improve products and production processes in order to achieve continuous improvements in product and production efficiency.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following.

Focus on each new, modified or recurring product in all aspects: product technology, product process, work instructions, CNC programs, SAP master data set up and maintenance, purchased parts, raw materials and production support related to modifications of production problems.

Technical support

- Advise sales on: technical aspects of product design, functionality, specifications and manufacturability
- Advise purchasing on technical aspects on purchase components and parts to be subcontracted.
- Support product owners in analyzing recurring problems advise in how to solve the problems.
- Make analyses, find deviations and explain causes and advise on preventive measures.

Projects

Supervise cross functional teams or manage projects related to the development, improvement of new and or modified products and processes.

Introduction of new products APQP

- Plan all essential activities to get work-ready status and monitor progress.
- Collect, analyze and assess all data, work instructions, drawings, production documentation, operations and processes.
- Administer data in SAP.
- Start and coordinate proto and pilot orders up to decision point.
- Administrating and managing product – and production documentation.

Process and Cost control

- Analyze costing of orders and find cost drivers in order to prevent avoidable costs.
- Organize action to improve (production) processes.
- Decide on repairing/rework change of replace of products taking cost and customer interest into account.
- Decide if and how production standards are to be adjusted.
- Initiate and or approve alternative and or production methods

Improvements and support

- Drive to achieve a situation of continuous improvements.
- Advise production on developments in production
- Initiate action in case of quality problems, rejects etc. through the DMR process
- Advise and optimize drawings, fixtures

Communication

- Consult with quality engineer on aspects of product specifications, manufacturability.
- Sales to discuss and advise on specifications, manufacturability, degree of complexity.
- Production to discuss on technical issues such as processes, work instructions, functionality of product.
- Purchasing to give technical information on purchase products and parts to be sub contracted.
- Operations manager to discuss results on orders and find way to improve results.

Required Education and Experience

- Bachelor's Degree in Manufacturing or Mechanical Engineering
- 5+ years of appropriate experience in manufacturing environment preferably semi-conductor

Competencies and Expected Skills/Capabilities

- Corporate policies and guidelines, administrative systems and procedures related to manufacturing engineering.
- Relevant international standard.
- Production equipment, tooling, measuring tools, production methods.
- Products, engineering principles, customs within the industry, semi-conductor, solar and led.
- Testing requirements and customer requirements.
- Six Sigma, APQP, Lean Manufacturing concepts, in process control systems, reversed engineering.
- Management of improvement projects and projects to related to APQP efforts.
- Use measuring tools, calipers, micrometers, height gauges, optical comparator, etc.

www.xycarb.com

Relocation package is not available.

To apply, please send your resume and salary requirements to laura.kunz@xycarb.schunk-group.com

Xycarb is an EOE.

Job Type: Full-time

Required education:

- Bachelor's degree in Mechanical Engineering or Manufacturing Engineering

Preferred experience:

- Mechanical Engineering: 2 years
- Manufacturing Engineer: 2 years
- Quartz/Semi-Conductor: 1 year