

PRODUCT ENGINEER

JOB SUMMARY

The position is responsible for the engineering design of new tools, as well as maintaining and improving current tool designs to enhance StoneAge's product offering. The position is also responsible for the creation, maintenance, and reliability of StoneAge's engineering drawings.

This position reports to the Engineering Manager.

ESSENTIAL FUNCTIONS

- Develop designs for new products that are reliable, cost effective, and easily manufactured.
- Work in unison with StoneAge team of engineers and Director of Marketing and Business Development for design requirements.
- Ongoing project assessment for obstacles and potential redesign, communicating with the engineering team items for consultation via the Engineering Meeting.
- Engage in design discussions within Engineering Meeting and in ad hoc meetings.
- Meet deadlines throughout the development process and communicate project status to Engineering Manager.
- Develop test methods and perform testing for evaluating the safety and reliability of projects.
- Record and maintain standard test methods for StoneAge tool and material conformance.
- Create, file, and maintain drawings and folders to existing file structure definitions.
- Generate and maintain engineering drawings from internal and external design criteria. Assist in drawing and specification interpretation to maintain quality.
- Work with Pre-Production Coordinator on Part ID assignment for new products or updates with existing products
- Create & maintain manual inserts.
- Estimate material/fabrication costs for new products and custom products.
- Train internal/external on proper tool maintenance and operation.
- Help QC determine if non-conforming parts can be accepted.
- Facilitate New Tool Review and classes for Customer Service and departmental training as necessary.
- Identify and communicate patentable technology in the creation of new products.
- Create ECN's when engineering drawings are revised.
- Work with Production Control for recording/ implementing any reworks required outside the ECN process.
- Review and evaluate field-tested units, customer feedback on field tested units, existing products, and new product ideas.
- Assist Customer Service in evaluating custom projects by direct contact with end users. Work with Buyer-Outsourced as well as outside vendors in the manufacture of parts.
- Assist in quotation and design of custom projects as assigned. Communicate requirements to Custom Projects Team.
- Present new product ideas to Engineering team via the Engineering Meeting.
- Work with all StoneAge departments as necessary on design questions and issues.
- Assist CAD Technician on design as needed.
- Assist manufacturing in the building, testing, and training of new production, R & D, field testing and custom projects.
- Track and log hours from designing to production of custom projects in engineering database.



- Assist Repair Technician on returned tools and rental items for repair and warranty.
- Perform any additional duties requested by Engineering Manager

KNOWLEDGE AND TRAINING REQUIREMENTS

The Engineer must have:

- Bachelor's Degree in Mechanical Engineering from an accredited college or university.
- Hands-on mechanical or machining experience is desirable
- Experience in design for manufacturing.
- Experience in product research and development.
- CAD experience (Solidworks)
- Working knowledge of MS Office software.

OTHER INFORMATION

- Travel may be required.
- Extended working hours may be needed at peak times or when short staffed.
- Must be able to stand for extended periods of time.
- Must be able to lift heavy loads using proper lifting techniques as outlined in the StoneAge Employee Handbook.