Title: **Quality Engineer**
Employment Type: Full Time
Physical Location: Ann Arbor, MI, 48108
Job Category: Quality Engineering
Company website & info: www.azoth3d.com
Application: please email resume to azothcareers@azoth3d.com

Azoth is currently seeking a Quality Engineer to join our team. This position is based at our Ann Arbor, MI facility.

About Azoth

Azoth is a rapidly growing additive manufacturing company focused on small complex metal parts. Azoth has qualified metal 3D printed production components in the automotive, defense, luxury goods, and medical industries. Azoth is searching for team members who are excited to make a difference and join an ambitious group which seeks to be the global leaders in sinter based additive manufacturing. We believe good people are the key to our success and have built a world class production environment for our team to collaborate, innovate, and grow within.

Check out our facility and operations here: https://www.youtube.com/watch?v=Qw90yqBD2ok

Primary Function Overview:

We seek an individual who is excited about manufacturing, wants to be part of a winning team, and takes pride in their work. The Quality Engineer is responsible for leading and implementing ISO 13485 Quality Management system, maintenance of ISO9001:2015 accreditation, adhering to IATF 16949 procedures, and Quality Engineering Changes at the Ann Arbor, MI facility. Other responsibilities include managing Azoth's inspection lab, new product introduction, continuous improvement, process metrics assessments, and supplier development and qualification. The Quality Engineer shall ensure that all changes to any part of the process have proper documentation which is in compliance with IATF 16949 requirements (APQP/PPAP) and all First Article Inspections (FAI) associated with the process changes are completed in accordance to internal procedures. This position supports all types of changes that have a potential to impact quality of the final product including vendor changes, process changes, and specification management. The engineer shall ensure these changes do not impact compliance to all stated quality and regulatory standards including IATF 16949, AS9100, ISO 9000, ISO14001, VDA and others as required. This is a core role for Azoth's growth which provides ample opportunity for advancement within Azoth.

The Engineer will have a deep knowledge of manufacturing quality systems and GD&T. The Engineer will report to the General Manager of Azoth.

In this function you will:

-   Provide technical leadership for all quality related system at Azoth
-   Develop plans to implement ISO 13485 Quality System for Azoth and lead the implementation.
-   Improve and maintain ISO9001:2015 quality management system
-   Manage Azoth's inspection lab and train team members on effective measurement strategies

- Lead and/or support all APQP/PPAP related tasks for proper documentation to ensure compliance.
- Update APQP/ QMS documents regarding any type of change project including process flow diagrams, test cases, and/or standard operating procedures when necessary.
- Ensure all changes are documented and any required training is performed and documented.
- Prepare, maintain, and review validation and compliance documentation, such as Specification Change Requests, Process Change forms, and Test Reports.
- Review OEM specifications and work with procurement team and other to perform validations as necessary.
- Work with the Quality Management System to understand needed improvements or issues from customer complaints or corrective actions.
- Resolve testing problems by modifying testing methods or revising test objectives and standards.
- Perform measurement system analysis (MSA) including precision studies, gage R&R, and other statistical analysis to support QC Lab and production.
- Review new and updated internal specifications in the document control system (EtQ)
- Lead the Quality team and Process Engineering to perform internal process audits.
- Facilitate meetings of cross functional team to ensure changes to product/process meets customer expectations without negatively impacting QMS system.
- Ability to use continual improvement activities to enhance the quality system, such as 5S and Kaizen lean methods.
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Why work at Azoth?

Azoth is a fast-growing additive manufacturing company with ample opportunity for employee growth. We have a state-of-the-art facility to work within and industry leading technology. We offer benefits that are industry competitive and take pride in having a tight knit team which relies on one another. We strive to ensure the Azoth team has a collaborative, high energy, and positive workplace.

- Healthcare/retirement savings programs
- Competitive compensation packages to reward skills and performance
- Health, Dental, Vision & Wellness programs
- Training on the latest 3D Printing equipment
- Exciting and challenging work environment, professional career development opportunities in a fast-growing company
- Social activities with colleagues

Qualifications

Required (Basic) Qualifications:

- Bachelor's Degree in mechanical engineering, industrial engineering, metallurgy or metallurgical engineering, materials engineering or material science or equivalent
- 2-3 years of experience in managing IATF 16949 Quality system or ISO13485 Quality system
- Genuine curiosity about product manufacturing, 3D printing technology, and metals processing.
- Detail-oriented while also able to summarize and consolidate data into meaningful recommendations and actionable next steps.
- Experience in managing Quality Management Systems is preferred, with knowledge of IATF 16949, ISO13485 and ISO 9000 standards.

- IATF 16949 certified auditor preferred with knowledge and experience auditing ISO9001:2015
- Experience in the automotive framework of procedures and techniques for Advance Product Quality Planning and Pre-production Approval Process for New Product Introduction is highly desired.
- Experience interpreting charts, graphs, engineering specifications, shop orders, and material data sheets to solve problems.
- Ability to use problem solving techniques and root cause analysis to ensure fast resolution to change validation process.
- Experience in writing test plans, project plans, procedures and project schedules
- Ability to multi task and work independently with minimal supervision.
- Must have a good understanding of Quality Assurance and other regulatory requirements.
- Must be customer focused and a team player and be able to get results from Cross-Functional team.
- Be able to use SAP, MS office Tools, Visio, and Project Management software.
- Broad knowledge of theory and principles of statistics and statistical process control.
- Must be able to work in the United States without corporate sponsorship now and within the future
- This position requires the use of information or access to technology which is subject to the International Traffic in Arms Regulations (ITAR) and/or Export Administration Regulations (EAR). All applicants must be U.S. persons within the meaning of ITAR/EAR. ITAR/EAR defines a U.S. person as a U.S. Citizen, U.S. Permanent Resident (i.e. 'Green Card Holder'), Political Asylee, or Refugee.