



JOB DESCRIPTION

We are looking for an entrepreneurial individual interested in being part of an initial growth team driving adoption and integration of a high performance steel portfolio for additive manufacturing, or 3D printing, in a variety of industries and global companies. While 3D printing has conceptually existed for several decades, the focus has primarily been on polymer materials and prototyping. Now with the advent of new machine and digital technologies, the demand and adoption of 3D printed commercial metal components is increasing. Our mission is to help accelerate this growth by designing and developing steels specifically for 3D printing technologies that not only address market needs and process requirements, but that also leverage the 3D printing process to yield superior properties and performance. This new business is built on more than ten years of alloy development knowledge and experience in groundbreaking proprietary steel alloy designs. The position is an opportunity for a talented, self-motivated senior 3D printing technician to get in on the ground floor of a 3D printing startup poised to bring the additive manufacturing revolution to mainstream industries.

POSITION: Senior Technician - Additive Manufacturing

REPORTS TO: Director of Research and Development

LOCATION: Mansfield, Massachusetts

KEY RESPONSIBILITIES:

- Print, inspect, measure, and test 3D printed parts and coupons to support commercialization and R&D efforts
- Work closely with applications, sales, and R&D engineers to print and finish prototype and commercial parts
- Operate and maintain 3D Printer and associated auxiliary equipment and tools
- Manage printer and auxiliary equipment workflow
- Provide feedback to engineering team on design rules and printing strategies for 3D printing high-quality parts
- Monitor and assess printer data, trends, and results to assist with workflow efficiency, maximizing machine productivity and quality
- Prepare and give reports and/or presentations to key stakeholders on 3D printing projects
- Manage relationships w/ external manufacturing vendors to arrange and fulfill orders
- Organize and sort material for shipping and receiving
- Maintain, repair, and troubleshooting of manufacturing and laboratory equipment
- Manage inventory of supplies used in laboratory and printing facility

REQUIREMENTS:

- Experience in a manufacturing and/or laboratory environment, successfully multi-tasking as required
- Appetite to learn, develop, and grow in the prototype & digital manufacturing space
- Willingness to work hard, take the initiative, and tackle challenging, high-impact projects
- Ability to work independently and demonstrate flexibility to thrive in a fast-paced collaborative work environment
- Proficiency in MS Office Suite



- Familiarity with 3D modeling software (e.g. AutoCAD, Magics, Solidworks, ProE, OptiStruct)
- General knowledge of or experience in:
 - Industrial 3D printing / additive manufacturing
 - The operation of 3D printers and equipment in an industrial setting
 - Metals manufacturing and machining techniques
 - Mechanical testing of metals, metallography sample prep, and metal characterization techniques such as optical microscopy
 - Mechanical, electrical and plumbing systems for general troubleshooting and repair of equipment

PREFERENCES:

- Five or more years of experience in a fast-paced, product-development or early-stage manufacturing environment. Experience in early-stage ventures is preferred
- Hands-on experience with 3D metal printing
- 3D design experience with CAD software (e.g. AutoCAD, Magics, Solidworks, ProE, OptiStruct)
- Facility and/or equipment management experience

If this description matches your skillset and you think you have what it takes to join our dynamic team, send us a resume and cover letter to: resumes@formetrixmetals.com