VIXIV

3D PRINTING LAB TECHNICIAN
ON-SITE, CINCINNATI, OHIO

JOB RESPONSIBILITIES

- Operate and monitor the HP MJF 5200 and Xact Metal XM200G 3D printers to produce high-quality parts according to specifications.
- Operate and monitor the other printing equipment around the lab.
- Conduct routine maintenance on 3D printing equipment to ensure optimal performance and longevity such as cleaning, calibrating, and replacing components
- Help enforce safety protocols to minimize risks associated with 3D printing operations.
- Practice safety always and maintain the highest standards of safety.
- Maintain cleanliness and organization within the lab space, including workstations, storage areas, and equipment.
- Collaborate with team members to optimize printing processes and achieve project goals.
- Document and record printing parameters, maintenance activities, and inventory levels for future reference.
- Stay current with advancements in 3D printing technology and propose improvements to enhance efficiency and quality.
- Assist in keeping records of printer maintenance, repairs, and performance metrics.
- Assist in the operation of mechanical testing equipment and data collection.

QUALIFICATIONS

- High school diploma or equivalent; technical certification or associate degree in engineering, electronics, or a related field is preferred.
- Strong mechanical aptitude and troubleshooting skills with the ability to disassemble and reassemble printers and replace components as needed.
- Knowledge of safety procedures and best practices for working with 3D printing equipment and reactive materials.
- Excellent attention to detail and ability to follow precise instructions.
- Effective communication skills and ability to work collaboratively in a team environment.
- Proficiency in reading technical manuals, schematics, and troubleshooting guides.
- Detail-oriented with a focus on quality and precision.
- Prior experience in a laboratory or manufacturing setting is advantageous.
- Ability to lift at least 50 lbs.

PREFERRED QUALIFICATIONS

- Experience operating and maintaining 3D printers, particularly HP MJF and metal additive manufacturing systems
- Experience with a variety of 3D printing technologies, such as FDM, SLA, SLS, or DLP.
- Knowledge of CAD software for designing and preparing 3D models for printing.
- Previous experience in a manufacturing or prototyping environment.

BENEFITS

HANDS-ON EXPERIENCE WITH STATE-OF-THE-ART ADDITIVE MANUFACTURING TECHNOLOGY.

EXPOSURE TO MECHANICAL TESTING METHODOLOGIES AND INSTRUMENTATION.

MENTORSHIP FROM EXPERIENCED ENGINEERS AND PROFESSIONALS IN THE FIELD.

NETWORKING OPPORTUNITIES WITHIN THE INDUSTRY AND POTENTIAL FOR CAREER ADVANCEMENT.