



UNLEASH YOUR TALENTS

Discover your Passion for Industrial 3D Printing



Title: Lab Intern - Plastics

Responsible Manager: Manager – Polymer Material Development

Location: Temple, Texas (onsite)

We, EOS – world market leader for industrial 3D printing, are looking for a detail-oriented and motivated individual to support polymer materials testing and additive manufacturing process development within our R&D laboratory. This position provides hands-on experience with advanced polymer testing methods, materials characterization, and industrial additive manufacturing systems.

Your Mission

- Work in the R&D lab to conduct mechanical and physical testing of polymer materials to support research and customer projects
- Perform laboratory tests including, but not limited to tensile testing, flexural testing, impact testing, melt flow index (MFI), density analysis, thermal analysis (DSC/TGA), moisture analysis, and particle characterization
- Assist in material qualification and validation for polymer-based additive manufacturing systems
- Support development and optimization of processing parameters for laser sintering and other powder-based polymer technologies
- Prepare test specimens and perform sample conditioning in accordance with ASTM and ISO standards
- Assist with powder handling, recycling studies, and material property evaluation
- Improve laboratory workflows including specimen preparation, testing procedures, and data tracking systems
- Operate and maintain state-of-the-art industrial polymer additive manufacturing systems
- Perform data analysis, documentation, and records management in alignment with project scope and quality standards
- Summarize test results in written reports and presentation formats
- Assist with laboratory organization, equipment maintenance, and daily operational support
- Other duties as assigned by management

Your Talents

- Currently pursuing a Bachelor's or Master's degree in Mechanical Engineering, Materials Science/Engineering, Polymer Engineering, Chemical Engineering, or a related technical field
- Familiarity with polymer testing standards (ASTM, ISO); hands-on laboratory experience preferred
- Experience operating universal testing machines (e.g., Instron) is a plus
- Experience with thermal analysis (DSC, TGA), rheology, or MFI testing is a plus

- Knowledge of polymer additive manufacturing (e.g., laser sintering, SLS, powder bed technologies) preferred
- Software skills: MS Excel required; experience with Minitab, LabVIEW, Bluehill, or similar data acquisition software is a plus
- Strong attention to detail and ability to follow written procedures and work instructions
- Demonstrated awareness of industrial and laboratory safety practices
- Excellent written and verbal communication skills
- Ability to maintain accurate laboratory records and learn technical testing methods in a fast-paced R&D environment

Our Vision

Over 1000 sharp minds, about 60 nationalities, one goal: accelerating the world's transition to Responsible Manufacturing.

Our proven technology, industrial 3D printing, has been extending the boundaries of manufacturing for over 30 years. We work globally networked and prefer to think outside the box and we're looking for people who want to shape the future with us.

EOS welcomes individuals from all backgrounds, ensuring equal opportunities without regard to race, color, religion, national origin, gender identity, expression, sexual orientation, age, or disability. At EOS, equity and inclusion are fundamental principles, and we believe in creating a work environment that is built on empathy, respect, and fairness.