



UNLEASH YOUR TALENTS

Discover your Passion for Industrial 3D Printing

Title: Mechanical Engineering Intern - Airflow & CFD

Responsible Manager: Director of Metals Technology, Global Additive Minds

Location: Pflugerville, Texas (On-Site)

We, EOS - world market leader for industrial 3D printing, are seeking a highly motivated Mechanical Engineering Intern to support the development of airflow systems for a next-generation large-format additive manufacturing platform.

This role focuses on the design, simulation, and experimental validation of airflow within the process chamber to enable effective removal of smoke, soot, and process byproducts. The intern will lead the development of a full-scale airflow test platform and use a combination of CAD, computational fluid dynamics (CFD), and physical testing to optimize system performance. This is a hands-on, end-to-end engineering role with direct impact on production system design.

Your Mission

- Design and develop a modular airflow test system representing the process chamber
- Perform CFD simulations to analyze airflow patterns, velocity distribution, and pressure characteristics
- Design and evaluate inlet nozzles, outlet geometries, and ducting configurations
- Conduct experimental airflow testing, including smoke visualization and quantitative measurements
- Integrate and utilize sensors (anemometers, pressure sensors) for data collection
- Collaborate with cross-functional engineering teams (mechanical, additive, systems)
- Document findings and provide final design recommendations

Your Talents

- Currently pursuing a B.S. or M.S. in Mechanical Engineering, Aerospace Engineering, or related field
- Strong foundation in fluid mechanics and thermodynamics
- Experience with CAD software (SolidWorks, NX, Creo, or similar)
- Exposure to or experience with CFD tools (ANSYS Fluent, STAR-CCM+, OpenFOAM, etc.)

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.