

## Job Description

**Job Title:** Master's Thesis Student – PolyCoat

**Location:** FibreCoat GmbH, Philipsstraße, 8, Aachen, Germany

**About FibreCoat:** FibreCoat is an innovative and fast-growing start-up based in Aachen. We are pioneering high-performance materials that are affordable and sustainable. With a dynamic, international team and a results-driven culture, we are shaping the future of advanced materials for various industries.

**Job Description:** This position is designed for a student in their final semester who wishes to complete their **master's thesis** in collaboration with **FibreCoat**. You will conduct research on a topic relevant to our business and industry, combining academic rigour with practical application.

### Key Responsibilities:

- Responsible for the development of a Test Device for Rapid Prototyping of Polymer-coated fibres.
- Ideate, prototype and test the Device for the coating of glass fibres at a spinning speed of over 1000 m/min.
- As we often work with potential clients and industry experts, you are expected to be able to handle yourself professionally under such circumstances.
- Work closely with other departments and teams, such as the engineering team.
- Document the latest findings and present them internally and externally.
- Based in Aachen, working at production sites all over Europe and helping build up new production lines.

### Key Qualifications:

- Bachelor's degree (or equivalent) in Mechanical, Process, Plastics, Textile Engineering, Materials Science, or a related field
- Experience in polymer processing, textile manufacturing, and design
- Proactive, reliable, and a strong team player
- Understanding of production process design, and experience with trials and validations
- Strong command of German and English
- (Optional/Preferred) Knowledge of glass fibre spinning, synthetic material coating, and fibre-reinforced thermoplastics

### What We Offer:

- The chance to make a tangible impact on sustainable development and innovation in the high-performance materials industry
- A dynamic and diverse work environment with a collaborative international team
- Creative freedom and responsibility in a young and growing company
- Opportunities for personal and professional growth in an expanding market
- A modern and welcoming office space
- Snack bar, hot beverages, team activities, and home office opportunities
- 20 vacation days per year