

R&D Intern

for fastmoving Swiss high-tech company

Position:	R&D Intern
Group:	Thermoplastic ampliTex™, textiles and fibres
Employment:	100%-80%
Company:	Bcomp Ltd., Fribourg, Switzerland
Starting date:	September 2023 or to be discussed
Duration :	4 to 6 months

POSITION OVERVIEW

Bcomp Ltd. is a young and dynamic Swiss company specialised in the development, marketing and sales of natural fibre composite solutions for high performance applications. With a background in the sports industry, we are now focusing on establishing ourselves in the motorsports and mobility markets. We develop sustainable lightweighting solutions based on natural fibres in close collaboration with our customers, in a fast-paced and entrepreneurial working environment.

The R&D department needs support to produce and test material samples, research, develop and validate new or existing material solutions and processes. This may involve being assigned to a long-running development project with important responsibilities and / or smaller supporting tasks for the R&D team.

MAIN TASKS AND RESPONSIBILITIES

The list below is meant to illustrate the tasks you might be asked to do. It is not fixed and can be discussed with Bcomp depending on your strength and Bcomp's needs.

- Explore the influence of matrices on mechanical properties of composite parts.

Skills: 3-points bending, DMA analysis.

- Develop a method to characterize the surface coverage of fabrics.

Skills: image processing, coding.

- Understand the interaction between a defined list of chemicals and epoxy.

Skills: composite part processing (epoxy infusion), organic chemistry.

- Characterize materials' UV resistance, moisture absorption, colors and other properties.

Skills: following test standards, dynamic moisture sorption, spectrophotometry.

- Support R&D and Quality team in characterizing and validating products.

QUALIFICATIONS AND PERSONAL QUALITIES

- B.Sc. (or equivalent) in Materials Science-, Textile- or Mechanical Engineering.
- Interest and experience in composite manufacturing and materials science.
- Some knowledge and understanding of standard test methods for composites.
- Some experience in coding and data analysis (Octave, Python or others) is a plus.
- Driving curiosity for independent problem solving.
- Able to work autonomously and share relevant information with the team.
- Structured way of working with an ability to handle many projects in parallel.
- Strong verbal and written communication skills in English. French or German is a plus.

ABOUT US

We are a small, dynamic, international team working in a fast-paced, equal, and entrepreneurial environment. Each person takes responsibility for their work and contributes to a friendly work atmosphere with many laughs and a healthy appreciation for chocolate.

More information on www.bcomp.ch

Do you want to take part in the adventure of a young, fast-moving company, which is in full development in the automotive sector? Come on board and contribute to the development of our processes and products with your technical and practical knowledge and take part in the amazing working atmosphere of our company. We happily invite you, to send us your full application through:

workwithus@bcomp.ch