

Internship Tribology Application Lab (gn) 100% for 6 months



For the location in **Balzers, Liechtenstein** we are looking for an intern who supports the tribology lab by conducting benchmark wear tests for sales, assisting R&D, and participating in third-party projects, for 6 months to start in August 2024.

Your Responsibilities

- You will be responsible for testing activities conducted for external as well as for internal customers such as R&D project leaders, product managers, marketing, and sales
- You conduct wear tests of PVD and Thermal Spray Coatings thin-film coatings and wear tests on e.g., solid particle erosion-, cavitation erosion- and high cycle fatigue test rigs
- You work on equipment for 3D plastic printing and implement 3D printing of metal parts
- You gather the use case and wear mechanisms from the customer's real application and transfer them into a lab-scale test method.
- You set-up and validate the newly acquired tribometers
- You can operate metrology tools for characterization of coatings applying what you have studied
- You follow standard testing procedures and interpret customer specifications

Your profile

- You are in a current study program of Bachelor or Master degree in Materials Science or Mechanical Engineering (a valid matriculation is required)
- Basic knowledge of creating CAD drawings
- Previous experience in the field of wear testing and thin-film coatings is a plus
- Proficiency in MS PowerPoint, Excel. Experience in statistical analysis is a plus
- You have strong work ethic and the ability to communicate effectively
- English skills, German is a plus

What we offer

- International work environment in a very supportive-learning culture
- Exciting and varied tasks within a very professional team
- Opportunity to bring your own perspective and to learn from the experts
- Staff restaurant, free parking and good public transport connections

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Interested? Please apply online via the following button or this QR code:

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Oerlikon is a global technology group with a clear mission: to become the leading provider of surface solutions, advanced materials and materials processing.

A leading global technology and engineering Group, headquartered in Pfäffikon, Switzerland, Oerlikon operates its business in two Divisions – Surface Solutions and Polymer Processing Solutions – and has a global footprint of more than 11 800 employees at 207 locations in 38 countries. In 2021, Oerlikon generated CHF 2.6 billion in sales and invested CHF 105 million in R&D.

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