
Company

Menhir Photonics is a Swiss laser manufacturer offering laser solutions of unprecedented robustness and reliability to customers around the globe. Based in Zurich, Switzerland, our team has strong expertise in the development and production of ultrafast lasers for the markets of aerospace, telecom, and metrology. For our ambitious business scale-up we are looking for an **R&D Laser Engineer**.

Job Description

You will work in the laser development department with a focus on product development, testing, prototyping and supply chain. You will closely interact with other functions of the company such as Electrical & Mechanical Engineering, Production Engineering, and the Management Team to continuously improve the laser products and transfer them to production. Your responsibilities include:

Laser design work on our MENHIR-1030 and MENHIR-1550 products

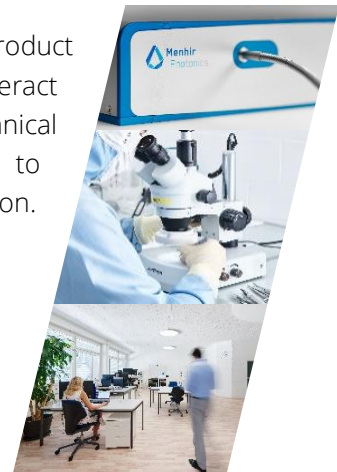
- Optical design of ultrafast laser systems
- Design and procurement of customized optical components
- Coordination of the mechanical and electronic product engineering
- Prototyping, testing, and manufacturing of newly developed lasers
- Transferring the developed systems to our production team
- Responsibility for design optimization to increase manufacturability
- Reliability and environmental testing

Management of R&D projects

- Managing development projects for lasers and applications
- Communication with all stakeholders
- Reporting results to the Management Team

Further responsibilities

- Collaborating with the R&D team to maintain standards in the design procedure
- Specification and quality testing of individual optical components
- Defining, managing, and securing the supply chain for critical components through detailed procurement specifications



Experience and Education

Your background:

- You have a **Physics or Engineering PhD or Master's Degree** with equivalent work experience **in the laser industry** in the field of ultrafast lasers (fs and ps)
- You bring know-how about laser assembly including experience with working under cleanroom conditions
- Experience in free space optics design with a focus on the **development of ultrafast lasers and amplifiers**
- Experience with the RP-Photonics simulation software package is a plus
- You are a team player and like working in a dynamic team in a fast-growing business environment
- You are willing to take responsibility, work independently, and approach problems in an analytical way
- Willingness to occasionally travel to visit partners
- Fluent knowledge of **English is mandatory, German is a plus**

Conditions

- The position is 80–100% (34-42 hours/week)
- Onsite
- The workplace is located at our new headquarters near Zurich, Switzerland in Dübendorf
- As we are looking to fill two R&D Laser Engineer positions, the preferred starting dates are as soon as possible and July 2025

Contact

If you are interested in learning more about this opportunity and getting to know us, **please email your CV and cover letter in English and tell us more about why you're a good fit for this position at talents@menhir-photonics.com**. Please reference "MPZH039" in the subject line. We look forward to hearing from you!

Applications will be accepted until March 14, 2025.

Applications from headhunters or third parties will not be considered.