



Laser Engineer / Scientist (m/f/d) LE2501

Company

RayVen Laser GmbH is a deep-tech spin-off from Ruhr University Bochum. We design and build compact, high-energy 2 μm ultrafast lasers to disrupt advanced materials processing. At RayVen, we combine scientific excellence with entrepreneurial spirit to shape the next generation of laser technology. For our ambitious mission we are looking for a Laser Engineer / Scientist.



Responsibilities

- Design, assemble, and align ultrafast solid-state laser systems (oscillators and amplifiers)
- Develop new optical architecture and systematically improve system performance
- Plan and execute experiments for laser qualification and long-term stability studies
- Work autonomously and take full responsibility for your work scope
- Contribute strategically to product development and roadmap definition
- Participate in defining processes, team culture, and company vision as part of an entrepreneurial core team.

Experience and Education

- PhD in ultrafast laser technology or M.Sc. in ultrafast laser technology AND work experiences.
- **Experience with ultrafast lasers is mandatory (applications without this experience cannot be considered)**
- Knowledge in handling optical measurement equipment (spectrometer, autocorrelator, etc...)
- Strong knowledge of solid-state or fiber lasers (Ho, Tm, Yb, or similar).
- 2-year work experience in the ultrafast laser industry
- Data handling and processing in MATLAB or Python
- Interest in growing beyond technical work—towards leadership, product strategy, and company building.
- Professional knowledge of English is required, knowledge of German is a plus

Condition

- The position is full-time.
- The position is on site. The Workplace is at [ZEISS, Bochum, Germany](#).
- The preferred starting date is spring 2026

Application

If you are ready to take on this challenge and grow with us, we look forward to hearing from you. Please send your CV and a brief cover letter in English explaining why you are a strong fit for this role.

Submit your application to hire@rayvenlaser.com and include LE2501 in the email subject line.

Application will be accepted until the 31st of January 2026.