

Stellenbezeichnung: Technical employee in the field of laser technology (IOF-2022-94)



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Fraunhofer is the largest organization for application-oriented research in Europe. Our research fields are geared to people's needs: Health, Safety, Communication, Mobility, Energy and Environment. We are creative, we shape technology, we design products, we improve processes, we open up new paths.

The Fraunhofer Institute for Applied Optics and Precision Engineering IOF in Jena conducts application-oriented research on behalf of industry and within the framework of publicly funded joint projects. The range of services offered by the Fraunhofer IOF includes system solutions, starting with new design concepts, through the development of new technologies, manufacturing and measurement processes, to the construction of prototypes and pilot series in the wavelength range from millimeters to nanometers.

We are looking for a technical employee for the group »Laser Technology« in the department Laser and Fiber Technology for the development and operation of modern laser beam sources ranging from the infrared to the extreme ultraviolet (EUV) and X-ray spectral range.

What you will do

- Construction, operation, and enhancement of laser beam sources and application experiments
- Adjusting, measuring, and stabilizing laser parameters for experiments
- Contributing to the development and implementation of new concepts for laser beam sources as well as adapted imaging and measurement methods
- Setup and operation of vacuum equipment

What you bring to the table

- You have a university degree in physics, laser technology, optical technologies, electrical engineering or similar.
- You have experience in working with lasers, XUV, or X-ray sources.
- Knowledge in optical metrology or optical design is an advantage.
- Optimally, you have experience in programming in Matlab / Python / Labview or similar and are used to working with relevant IT tools (e.g., Origin, Zemax).
- Your strengths include a high degree of independence, a systematic, accurate and solution-oriented approach to work as well as analytical and conceptual skills, commitment, team orientation and communication skills.
- You have a very good command of German and English.
- A friendly, reliable and open manner competes your profile.

What you can expect

- A varied job with a modern, well-equipped working environment
- Collaboration in a collegial and open-minded team with a background in physics and engineering
- Personal and professional development opportunities in challenging and practical R&D projects
- Networking with first-class industrial partners
- Independent work as well as personal and professional development opportunities
- Flexible working hours and a family-friendly workplace

The weekly working time is 39 hours. The position can also be filled on part-time basis. The position is initially limited to 3 years. We are looking for a long-term cooperation. Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD). Additionally Fraunhofer may grant performance-based variable remuneration components.

We value and promote the diversity of our employees' skills and therefore welcome all applications - regardless of age, gender, nationality, ethnic and social origin, religion, ideology, disability, sexual orientation and identity. Severely disabled persons are given preference in the event of equal suitability.

Interested? Apply online now. We look forward to getting to know you!

Requisition Number: 54362

Application Deadline: 10/31/2022

