

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.



STARTING NOW, THE FRAUNHOFER INSTITUTE FOR APPLIED OPTICS AND PRECISION ENGINEERING OFFERS YOU AN EXCITING JOB OPPORTUNITY AS A

GROUP MANAGER (F/M) IN PRECISION OPTICS

Fraunhofer is the largest organization for application-oriented research in Europe. Our fields of research are geared to the needs of people: health, security, communication, mobility, energy and environment.

The Fraunhofer Institute for Applied Optics and Precision Engineering IOF in Jena conducts application-oriented research in optical systems technology 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 technologies, manufacturing and measuring processes, to the construction of prototypes and pilot series for applications in the wavelength range from millimeters to nanometers.

For the department Precision Optical Components and Systems, we are looking for a group manager (f/m). In this position you will be responsible for the development and management of an efficient research group with the focus on the production of precision optics made of metal and glass and their integration into high-quality precision optical systems.

Area of responsibility

- Technical management and control of the Precision Optics Group
- Leadership and development of employees
- Independent acquisition of projects
- Presentation and publication of results to customers and the scientific community
- Coordination and development of manufacturing and measuring processes
- Development and realization of ultra-precise optical components
- Development and construction of correction techniques like MRF and IBF
- Chemical-mechanical polishing
- Performing optical as well as tactile, metrological characterizations (interferometry and profilometry)

What we expect from you

- You have a degree in science (Master / Diploma) in the field physics and ideally have completed a doctorate.
- You have relevant professional experience in production engineering, production measurement technology, technical optics as well as basic knowledge in the field of free-form optics.
- Ideally, you have experience in managing up requirements to 15 members of a research group.
- You meet at least three of the following:
 - Basic knowledge of technical optics, knowledge in ZEMAX
 - Knowledge in the field of optics manufacturing
 - In-depth knowledge of ultra-precise processing of metal optics
 - Knowledge of polishing/correction processing using magneto-rheological finishing (MRF) and/or ion beam processing (IBF)
 - Knowledge of chemical-mechanical polishing of metal and/or glass optics

- Metrological knowledge for the measurement of aspheres and free-form optics
 - Knowledge of system integration and metrological characterization
- Your strengths include a high degree of independence, a systematic and responsible way of working as well as commitment, team orientation and communication skills.
- Since the Fraunhofer IOF works in many ways on an international level, we require a very good command of English.

What you can expect from us

- A varied job in a modern working environment
- Cooperation in a collegial and open-minded team with physical and engineering background
- Personal and professional development opportunities in demanding and practical R&D projects
- Possibility to actively shape and accentuate your own research focus
- Networking with first-class industrial partners
- Independent work and personal and professional development opportunities
- Flexible working hours and a family-friendly workplace

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD). Additionally, Fraunhofer may grant performance-based variable remuneration components.

The working time consists of 39 hours per week.

The position is initially limited to 3 years. We strive for a long-term cooperation.

In case of identical qualifications preference will be given to severely disabled candidates.

We would like to point out that the chosen job title also includes the third gender.

The Fraunhofer-Gesellschaft emphasises gender-independent professional equality.

This vacancy is also available on a part-time basis.

We look forward to receiving your application! Please use our online application portal.

<http://www.iof.fraunhofer.com>

Job Reference: **IOF-2020-17**

Closing date: **30.09.2020**