



Die UltraFast Innovations GmbH is a Start-Up-Company and a Spin-off from the Ludwig-Maximilians-University Munich and the Max-Planck-Institute of Quantum Optics, in particular from the groups of Profs. Ferenc Krausz and Ulf Kleineberg, located in Forschungszentrum Garching, north from Munich. We are specialized in the design and manufacturing of optical elements tailor-made for ultrafast laser applications. Continuous innovation and effective project management in product development have highest priority in-house. We are looking for YOU as an integrative member of our Team and our network of scientific employees for the position as

## **Coating and Design Engineer for ultrafast laser optics**

The success story of UltraFast Innovations is based on highest customer orientation started from the idea, through design and production, and ultimately delivery of each product.

### **RESPONSIBILITIES:**

As a Coating and Design Engineer you will be responsible for all technical issues planning and managing coating jobs of optics in the field of ultrafast laser applications. You supervise a technical team and coordinate internal activities with customers and external partners. You optimize and improve the internal processes in the production area and adapt it to the growing business of the company implying:

- Self-dependent preparation, organization, optimization and development of manufacturing processes for customized coatings of laser components
- Simulation of coating designs and technical sales support
- Characterization und quality control of fabricated optics using state-of-the-art microscopy and measurement tools
- Planning and construction of test setups
- Generation of project documentation

### **QUALIFICATION**

- Physic scientist or engineer with strong background in the field of laser physics and laser optics
- Experienced in maintaining of complex vacuum coating machines (magnetron, electron and ion beam sputtering)
- Hands-on experience with simulations tools of multilayer systems like Optilayer, Macleod, TFCalc
- Strong entrepreneurship and analytical thinking skills
- Excellent structured and well-organised working skills, must be able to handle multiple projects/accounts
- Strong verbal, presentation, written, and organizational skills with an ability to interact favorably with customer
- Must be able to handle multiple projects/accounts
- Travel may be required occasionally

### **WE OFFER YOU**

demanding, exciting and diversified working field with a lot of personal freedom to realize your innovative ideas and solutions. As young and fast growing company we appreciate your further personal and professional fulfilment and support you thereby.

Join our team and send us per e-mail a letter of motivation including your salary expectation along with your complete CV and copies of your degrees addressed:

**info@ultrafast-innovations.com.**

or by mail:

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