

QUBIG GmbH is a technology company in the field of scientific lasers with a focus on the development and manufacture of laser light modulators as well as suitable driver electronics up to >20GHz. The devices are mainly installed as subcomponents in larger laser systems, with the aim of quickly and precisely controlling the properties of the laser light, such as its frequency, phase, polarisation and position. The application spectrum ranges from fundamental research (physics, chemistry, biology) to industry (laser material processing, medicine, LifeScience microscopy).

QUBIG has been established from fundamental research and has close contacts with prestigious institutions around the world, especially in the field of ultra-cold quantum gases (AMO), trapped ions and single photons. The company, which is also a state-recognised research facility, combines profound expertise in the areas of laser technology, crystal optics and HF- & HV electronics and is formed by a highly qualified team (PostDocs, PhDs), having in-depth knowledge and many years of experience in various fields of quantum research/technology.

[www.qubig.com](http://www.qubig.com)

For our team in Munich, we are currently looking at the earliest possible date for a full-time

## Developer/Engineer in Laser Technology (m/w/d)

### Range of tasks:

- Research & Development of innovative products in the field of electro-/ acousto optics with matching HV/RF driver electronics for Quantum Technology applications
- Simulation/Design/Installation of mechanical and opto-electronic Laser setups for proof-of-concept studies
- Participation in the management of state funded R&D projects
- As the circumstances require, training and supervision of personnel for production and maintenance/support

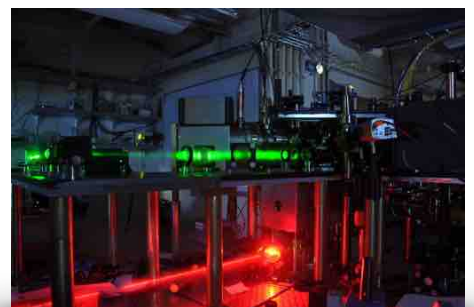
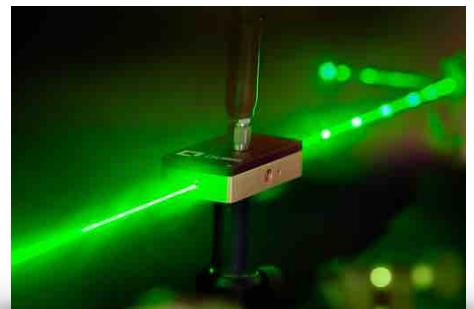
### Your profile:

#### Essential:

- University degree (PhD or PostDoc preferred) in physics (ideally with AMO and/or Single-Photon background)
- Computer literacy: simulation software (e.g. Mathematica, Matlab, COMSOL), CAD (Autodesk Inventor, SolidWorks)
- At least one programming language (preferably Python, C++, Qt)
- Solution-oriented hands-on mentality combined with good time management skills and an independent, structured way of working

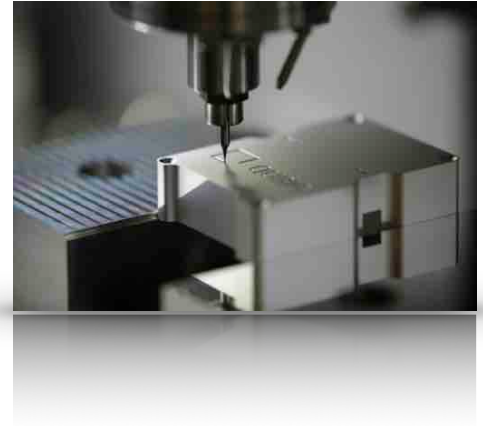
#### Desirable:

- Experience in design and testing of digital & analog electronic circuits for RF/Microwave applications (up to GHz)
- Knowledge in the areas of electro- & acousto optics, crystal optics, high-voltage electronics, ultra-short high energetic pulses
- Experience with procedures for optical bonding, wire-bonding, optics/crystal processing (cutting, polishing, coating), micro-positioning of optics



**We offer:**

Professional development opportunities in an international and dynamic environment with great potential. You can expect a multitude of challenging, varied tasks, responsibilities and a lot of creative possibilities in a strongly and sustainably growing company. A friendly and supportive atmosphere commonly found in research groups makes it ideal for a transitioning from the lab to industry. A permanent role with attractive contractual terms and working conditions.

**Have we inspired your curiosity?**

We are looking forward to receiving your full and complete application documents, including your cover letter and your earliest possible starting date. Please send your documents to: [hr@qubig.com](mailto:hr@qubig.com)

For further information please also visit our website: <http://www.qubig.com/company/career.html>