



About us

ficonTEC is a German company active in the High-tech field of equipment manufacturing for Top level international customers. The equipment is used for automatic assembly of optical systems with an accuracy below 1 micrometer. The machines are therefore very complex robots, which are programmable using our unique in-house developed programming interface. Our machines are deployed all over the world, serving the needs of our customers, which are located in Europe, Asia and USA.

ficonTEC is the leading machine supplier for the Photonic, Sensors and Laser Industry, supplying unique and customized machines and complete production- and test lines for our customers' needs.

To strengthen our team, we are searching for highly motivated individuals with a strong affinity for technology development.

We are hiring

R&D Process Engineer (f/m/d)

Experience: > 2 years

Your tasks

A R&D engineer is expected to be a highly qualified engineer within the Research & Development team of ficonTEC. You must be able to communicate their desire clearly to the team, customers and management.

You can be deployed easily in complex assembly and research tasks. Therefore, you have a good spectrum of skills from a theoretical background in the optical field of our customers, measurement skills and knowledge of test equipment as well as a hands-on mentality and a pragmatic way in solution finding. You have strong skills in English languages and affinity for solving complex challenges in limited time.

From a technical perspective, the R&D Engineer should be able to develop and use sophisticated assembly machines, have an understanding of assembly processes including mechanics, electrics and software routines like vision algorithms. You must be able to understand the working principles of high-tech measurement equipment and be able to use it.

The R&D engineer must have a basic understanding of the typical fields of our branch and preferably an understanding of one two of the relevant market areas. As many of the customers of ficonTEC are located across the globe, the candidate must be prepared for short international travel to assist customers and do on-site troubleshooting and testing of ficonTEC equipment.



Your profil

Education

- Degree: Master of Science (f/m/d) in a technical field such as mechanical engineering, electrical engineering, physics or related

Technical:

- Skills with automated micro-assembly equipment (pick & place, alignment, testing)
- Good skills with optical and electronic test equipment
- Good knowledge of metrology, optical and/or laser system modules
- Good knowledge and hands-on experience of optical technologies like
 - lasers
 - free space optics
 - fiber optics
- Good knowledge of optomechanical assemblies
- Knowledge of engineering design tools such as Solid Works, Zemax, etc.
- Knowledge of programming (Matlab, C++, Labview)
- Knowledge of project management
- Knowledge of electronics: Using schematics, demonstrate the ability to identify components and explain basic electronic theory of circuits.
- Knowledge of a wide variety of photonics devices
- Knowledge of Microsoft Office packages (Outlook, Word, Excel, PowerPoint)

Communication:

- Good skills in presentation of complex data to international customers
- Know how to interact in multi-disciplinary teams
- Good written and verbal communication skills in English (German and additional languages would be a plus)
- Good documentation skills
- Must be self-motivated with good teamwork spirit.

International travel may be required – less than 25%

Your application

Please send your application and CV including your salary expectations in English or German language via e-mail to: jobs@ficontec.com