



Photonics Test Engineer

About the company

Qplox specializes in product qualification and release. We offer consultancy and engineering services for test and lab automation, characterization, verification, validation and end of line test. For a wide range of products, and with special focus in High tech.

Our engineering department develops custom made test and automation systems, electronic prototypes and test benches. Our consultancy department offers our clients a complete solution for their high tech qualification needs. From RF, Photonics, semiconductors... our engineers can help in the qualification of all your advanced products.

Job Description

As a photonics test engineer you will be working with application engineers in the life science technologies department, design engineers from the photonics design group and the technology department. Your main goal will be to verify the optical functionality of our optical sensing devices. The type of optical tests that need to be performed varies depending on the application and the device geometry. Hence this requires flexibility in working with different types of optical setups including laser based measurement systems, microscopy systems and fiber-based systems. You will work with senior photonics and optical engineers to define the test protocol and required hardware configuration and then you will be responsible to execute the required measurements and generate reliable and statistically relevant data regarding photonic chip performance. Your data will support both the technology and design engineers. Your primary tasks and responsibilities will include

- Work with a senior scientist or engineer to perform detailed characterization of photonic chips, both on-die and wafer-level, involving free-space laser measurement systems, microscopy systems and/or fiber-based measurement systems, in dry conditions or in combination with microfluidics.
- Characterize optical subcomponents and systems involving photonic chips and/or discrete optical elements
- Work with a senior scientist or engineer to adapt optical test stands when needed. This can include design of mechanical fixtures, selection of correct illumination sources, and replacement of cameras or other sensing hardware.
- Prepare reports summarizing data and work with application scientists to analyze the results.
- Collaborate with specialists from our cross-disciplinary design and technology teams;
- Work according to agreed customer timelines and report on progress internally and to customers.
- Manage time effectively according to aggressive project schedules.
- Quickly adapt to new project requirements.
- Work closely with an interdisciplinary team of engineers and biologists
- Excellent communication and reporting skills

Candidate Description

- You have a Master degree in Industrial Engineering, Electronics, Photonics, Applied Physics or other equivalent discipline. An individual with a Bachelor's degree and several years of relevant experience will also be considered.
- Experience in hands-on optical and/or electrical characterization
- You have some programming skills. Matlab is a MUST. Understanding "Labview" is a plus
- You can use datasheets and manuals to modify laboratory setups to fit custom measurement needs
- As you will be working in a biolab you should be up to date with your vaccinations, including for Hepatitis B.
- You have experience working in a research or development environment with an interdisciplinary team.
- You are a team player.
- You are fluent in English and have excellent communication skills

We offer

Your performance and growth is monitored, assessed and rewarded, you will have an individual development plan based on your competences and interests. We offer an attractive salary package with extra-legal benefits. A high tech, multicultural and young company with fast promotion and many learning possibilities in a growing, multidisciplinary company.

Contact

Send your CV to jobs@qplox.com or surf to www.qplox.com
