

Production & Test Engineer

(100% Employment)

[Qnami](#) develops fundamental new technology using quantum mechanics. The control and measurement of the state of a single electron enables us to measure what could never be measured before. We call this quantum sensing and are enthusiastically developing this technique to improve people's lives and the world.

Qnami is a magnet for talents looking to join the quantum revolution at the pulse. Multicultural, open-minded, and highly-skilled, we come from all over the world and have a deep passion for our work. Both business and scientific minded, each of us contributes with our unique skills plus a strong work ethic and enthusiastic spirit – because we believe in what we do. We value diversity and have created a self-managed, flexible team culture that supports employees' development and enables us to live a healthy, well-balanced life.

We develop and commercialize applications of [NV Quantum Sensors](#) (Nitrogen Vacancy), leveraging proprietary technology and unique know-how. Our first commercial product, the Qnami [ProteusQ](#) is a complete quantum microscope system. It is the first scanning NV microscope for analysis of magnetic materials at atomic scale and features state-of-the-art electronics and software. The flexible design allows for future adjustments and scaling, expansion, and functionality additions.

To support our upscaling of quantum sensors and quantum microscopes, we are seeking for a

Production & Test Engineer

As the Production & Test Engineer, you will play a critical role in the quality control, assembling and manufacturing of our existing products.

In this position, your responsibilities will include:

- Assembling our quantum diamond sensors and quantum microscopes and Performing Quality control of them to ensure they meet the required standards of our customers.
- Handling and testing electrical/mechanical devices at both part and assembly levels.
- Recording the test results following the standard operation process, including both hardware and software to ensure they meet the required standards of quality.
- Contributing to on-site instrument installation of the quantum microscope instrument and user trainings at customers' sites world-wide to empower the customers from day one of having our instruments.
- Managing the logistics and shipping of our products to our end customers
- Supporting your team colleagues to produce all Qnami products timely and with standardized quality, as well as to support industrialization of R&D products.

Based on these responsibilities we are looking for a **hands-on, passionate** production & test engineer with **strong technical communication skills**. What you also bring is:

Qnami AG

Hofackerstr. 40B, CH-4132 Muttenz, Switzerland

MWSt Nr: CHE-364.148.026

+41 (0) 61 511 89 60 contact@qnami.ch www.qnami.ch

- University degree in physics, optical engineering, mechanical/electrical engineering, materials science, mechatronics, microsystems or similar.
- Work experience in a mechanical/electrical engineering industry, ideally with a focus on high precision instrumentation and/or mechanical parts.
- Know-how of operating sophisticated scientific instruments, e.g., scanning probe microscopes, confocal microscopes, etc. Is a plus
- Ability to diagnose complex failure issues and quickly propose effective solutions
- Good written and spoken English skills
- A team spirit and willingness to experiment with self-management tools
- Ability to travel up to 25% (once COVID allows!)

You will have responsibilities and a direct contribution to the growth of Qnami and the emergence of a quantum industry 1.0. Your salary will be based on your experience. The role is based in Muttenz, Switzerland, which is within easy reach of Basel, a vibrant city steeped in a history of art, humanism and science.

Qnami was founded in 2017 in Basel, at the cross-roads of Switzerland, Germany and France, and builds on the work of Professor Patrick Maletinsky from the University of Basel who still works in an advisory role to Qnami. We explore implementation and application of quantum nitrogen-vacancy (NV) color center in diamond for high-performance sensing devices.

Please send your application (CV, motivation letter and examples of previous projects in English) to jobs@qnami.ch.