

Manufacturing Engineer (m/f)



FemtoTools is a Swiss high-tech company that develops and sells high resolution, MEMS-based nanoindenters for applications in metallurgy, thin films, and microsystems technology. We are part of Oxford Instruments PLC.

As part of exciting growth, we are looking for a **Manufacturing Engineer** to join our Operations Team based in Zurich.

About us (Materials Analysis)

Materials Analysis is an Oxford Instruments Business Unit that manages our Electron Microscopy and Mechanical Microscopy products, Atomic Force Microscopes, Raman Microscopes and Benchtop NMR and Nanoindentation Products. Materials Analysis is the technology leader in most of our techniques. We have great people committed to our success and we have a wide global reach and enviable customer base. We collaborate to drive cross technique applications, share leads and best practice to ensure we are maximizing our opportunities for success.

Team and location:

FemtoTools is located just outside of Zurich and have a team of 27 employees based in-office.

We are seeking candidates with:

- A master's degree or a PhD in Mechanical Engineering, Electrical Engineering, or Physics.
- Advanced knowledge in Mechanical Assemblies, Mechatronics, and Metrology.
- Ability to utilize structured problem-solving methodologies

Advantageous:

- Knowledge in nanoindentation, atomic force microscopy, vacuum systems, or electron microscopy.
- Experience using ERP/MRP systems such as production routings and BOM Structures
- Knowledge of Project Management techniques.

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Key responsibilities:

- Support the Manufacturing Team with technical expertise to overcome issues and ensure a quality product is delivered to schedule.
- Review and measure current manufacturing processes and implement improvements.
- Ensure effective implementation of New Product Introductions (NPI) and engineering changes, ensuring both product and processes are repeatable. Create and maintain manufacturing shop floor documentation for new and existing products in alignment with company standards.
- Create and improve inspection checklists, test protocols and other quality system documents.
- Become a process expert for critical business processes and technologies. Openly share knowledge and experience with colleagues and provide training and guidance for other engineers.

Anticipated recruitment process:

Please apply with your CV and a covering letter (optional). The application can be in German or in English (preferred).

All applications will be reviewed. We will contact via email successful applications to arrange an initial introductory call, allowing you the opportunity to learn more. Our formal interview process for a 1st stage interview consists of an on-site interview, with a tour of the production floor, with second interviews being with the Founders of FemtoTools and meeting some of the team.

Contact:

Interested in joining our team? Candidates with a keen interest are invited to forward their complete application by email to: abby.gelder@oxinst.com