

Applications Scientist - Metallurgy (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 and is part of Oxford Instruments PLC.

Founded in 1959 as the first technology business to be spun out from Oxford University, Oxford Instruments is now a global company providing academic and commercial organisations worldwide with market-leading scientific technology and expertise across its key market segments: Materials Analysis, Healthcare & Life Science, and Semiconductors.

Innovation is the driving force behind Oxford Instruments' growth and success, supporting its core purpose to accelerate the breakthroughs that create a brighter future for our world.

As part of exciting growth, we are looking for an **Applications Scientist - Metallurgy** to join our Team based in Zurich. The primary purpose of the Applications Scientist is to Contribute as an in-house “nanoindenter expert”, provide technical expertise and support both internally to Sales and Marketing, as well as externally to customers and prospective customers and to conduct instrument demonstrations, as well as developing and communicating new applications.

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.

Manufacturing Engineer (m/f)

What we are looking for:

- PhD degree in Metallurgy
- Strong background in metallurgy and the related testing principles
- Experience and extensive knowledge of the theory and operation of nanoindenters.
- Strong technical background and the ability to draw from this when interacting with customers, designing experiments, or troubleshooting.
- Excellent technical writing skills with the ability to write clearly and effectively.
- Friendly, agreeable and approachable, applicant must have excellent people skills with the ability to interact favourably with all personality types.
- Excellent time management skills with the ability to prioritise, plan, focus, and bring projects to completion within deadlines.
- Willingness to travel to meet with customers
- "Can do" attitude – Decisive, flexible and able to work around issues to deliver required performance.
- Flexibility is key in a position where short notice changes to travel are common

Key responsibilities:

- Perform nanoindentation demonstrations focused on the research interests and needs of prospective customers.
- Compile well-written demonstration reports that explain nanoindentation data clearly and ensure maximum impact from the available nanoindentation data.
- Assist and advise the sales and marketing teams on technical and scientific matters – e.g. fielding technical questions from prospective customers, interpreting technical claims by competitors, contributing to marketing materials, educating non-technical staff on new applications or capabilities.
- Provide expert technical support to customers (via phone, email, online and web forum).
- Support the nanoindentation sales activities
- Carry out any other tasks that may be reasonably required by the Company.

Anticipated recruitment process:

Please apply with your CV and a covering letter (optional) at:

https://jobs.oxinst.com/job/Applications-Scientist-Metallurgy/3828-en_GB

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. The formal interview process will allow for the opportunity to be curious, get acquainted with our people and products and give you the scope to present some exciting case studies and share your technical knowledge.