



Engineering  
Executive Management  
Information Technology  
Life Science & Healthcare  
Procurement & Supply Chain  
Property & Construction  
Sales & Marketing  
Trading & Investment

but

executive services

*...Cutting Edge Technology of Today And Tomorrow.*

Our client is a large and global leading manufacturer of laser and semiconductor technology and heavily invests in research and development to maintain and grow its global technology leadership position with innovation and pioneering spirit. High-qualified specialists develop and manufacture high-performance semiconductors and diodes to dedicated high-tech industries around (communication, industrial, consumer applications) the world that connect us to visionary technology of now and tomorrow. The products marks the cutting edge of technology and the lab and fab are equipped with state-of-the-art semiconductor manufacturing equipment. To strengthen the interface between R&D and operations at the site in Zurich we are seeking an experienced

## **Analysis & Characterisation Engineer Semiconductors (m/f)**

As an Expert in failure analysis and material / surface characterisation act as an important interface between the operational epitaxy, manufacturing line, R&D and the characterisation team. You are responsible for analysis of all epitaxial materials and layer-structures to support the domestic team in Zurich and other business units throughout the whole organisation around the world (Europe, US, Asia). As a senior you will lead projects to improve stability, quality, throughput, process development, and novel analysis methods. Furthermore you will be responsible for quality and in time delivery of SIMS / ToF-SIMS measurements, the Maintenance and utilization of SIMS system to the best performance and throughput level as well as the CI continuous improvement of existing processes and equipment as well as developing innovative new approaches. Step by step you will provide analytical support to other departments through sample preparation, data collection, failure mode analysis, and making reports and suggestions for improvements.

For this challenging position we are looking for an experienced Scientist / Engineer with several years of experience in materials analysis and characterisation, ideally in the field of semiconductor materials, thin film technology, semiconductor fabrication and advanced material characterisation. You are familiar with SIMS or ToF-SIMS and advanced characterisation instrumentation such as SEM, TEM, FIB and /or XPS added by proficiency in statistics and quality management tools and maybe some experience in programming, e.g. Python, LabView, SQL or C++. We expect a university degree (MSc / PhD) in physics, chemistry or material science, ideally with emphasis on material science or process technology. In addition to your analytical and organisational abilities, you are known to be a very reliable team player and self-driven individual with a hands-on mentality, methodical approach and the ability to strongly prioritize issues. We expect a university degree in business administration, commerce and/or trading/supply chain. English is a must. Good German skills are of a huge advantage.

Please call us for further information or send us your application documents by email on [info@but-executive.ch](mailto:info@but-executive.ch). We guarantee full confidentiality.

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