



## Experimental Physicist: Optics Validation (m/f/d)



The Evaluation and Tuning department at IMS Nanofabrication is looking to fill an Operations position as an Experimental Physicist in Optics Validation for Site Acceptance Tests with high traveling readiness. In this position you will be responsible for the tuning and acceptance process of our multi-beam mask writer. You will be in a team of technical specialists and one of the key persons in ensuring that our product performs in accordance to the highest semiconductor industry standards. You will be on the forefront of the technical development in one of the most innovative markets. We are looking for technical enthusiasts enjoying to apply consolidated know-how on new exciting problems with the opportunity to travel around the world to our client's sites (Asia, USA).

### Responsibilities:

- Build a complete and broad understanding of multi-beam mask writers
- Operation, calibration and optimization of the electron beam mask writer
- Implementation and documentation of experiments at the tool
- Prepare and carry out internal and external acceptance tests on the mask writer
  - Factory Acceptance Testing at the IMS factory in Brunn am Gebirge
  - Site Acceptance Testing at customer sites around the world
- Internal and external communication about the progress of tool optimization
- Data analysis and tool status evaluation
- Validation process improvement and optimization
- Troubleshooting and bug-fixing
- Pass down of all tool information and issues to the implemented systems JIRA and Confluence
- Conduct trainings on tool operation and calibration
- On-call service for troubleshooting

### Qualifications/Requirements:

- A Master's Degree (or equivalent) in: Physics, Electrical Engineering, Process Engineering or a related field
- Experience in Unix (Linux)
- Python, JIRA and Confluence or equivalent experience is preferred
- Very good spoken and written English
- Deliberate and organized work style with a "hands on" mentality
- Consolidated problem-solving skills
- Disposition to be deployed abroad for six months or more per year. (3-12 weeks at a time)

**IMS Nanofabrication GmbH** is an Austrian high-tech company with headquarters in Brunn am Gebirge and branches in Vienna, Taiwan, South Korea and the USA. We are the world's leading supplier of semiconductor technology in the field of multi-beam mask writing. Our mask writing technology makes a significant contribution to the global semiconductor industry, enabling the manufacturing of the most advanced chips used in high-performance mobile phones, PCs and data centers.



**We offer:**

- Growing High-Tech Company with headquarter in Austria and international branches (Taiwan, Korea, USA)
- Top equipped workplace (modern office, laptop, height adjustable desk).
- Responsibility and the opportunity to perform independent tasks in a dynamic company.
- A young and motivated intercultural team with short communication channels.
- Opportunity to experience exotic cultures and work environment during business trips
- Excellent professional and personal development opportunities.
- Career opportunity as technical expert.
- Annual gross salary: from EUR 45,000 open to negotiation depending on qualifications and experience. Overtime hours, travel expenses and on-call remunerated on top (no all-in contract).

If you are looking for a demanding and challenging position in a growing high tech company, we look forward to receiving your application, which you can load up online on Careers at [www.ims.co.at](http://www.ims.co.at).