X-RAY WorX GmbH - HR

X-RAY WorX GmbH is a leading, independent manufacturer of high-resolution X-ray tubes for non-destructive material testing. Our company is headquartered in Garbsen, near Hanover. Here, our team develops and manufactures innovative microfocus X-ray technology and distributes it worldwide. Our customers and users are found in the growth markets of electronics, semiconductors, aerospace, automotive, and research and development. A wide range of services rounds out our offerings.

Development Engineer (m/f/d) – X-Ray Microfocus Tubes

City: Garbsen; Starting date (earliest): At the earliest possible; Remuneration: Bitte Gehaltsvorstellung angeben

Tasks

- Development and design of microfocus X-ray tubes and their components through to series production readiness
- Simulation of electrostatic high-voltage fields, electron trajectories (particle tracing) in electrostatic and electromagnetic fields, as well as heat transfer and thermal expansion using COMSOL Multiphysics
- Verification and validation of simulations, including optimization of simulation results
- Data analysis, development of new technical concepts, and implementation in collaboration with the team at the product level
- Planning and execution of experimental investigations and test programs

Requirements

- Completed university degree (Master’s level) in Physics, preferably with a specialization in Applied Physics or Engineering Physics
- Knowledge of, or academic focus in, at least one of the following areas: electron optics, high-voltage engineering, vacuum technology, experimental physics, electron microscopy, or X-ray-based measurement techniques
- Practical experience in multiphysics simulation is an advantage (COMSOL, ANSYS, CST, SIMION or comparable software)
- Experience with modern CAD systems, preferably Inventor 3D
- Strong interest in developing complex physical systems – from simulation and design through to production-ready implementation
- High level of self-motivation and commitment
- Structured, independent, and pragmatic approach to work
- Strong teamwork and communication skills
- Good written and spoken German and English skills

What we offer

- A responsible and impactful role within an innovative, growth-oriented, medium-sized technology company
- Close collaboration with a creative and highly motivated team, the Head of Development, and cross-functional departments, along with a structured onboarding process and comprehensive introduction to our products, technologies, and organization
- Diverse and technologically challenging tasks with a high degree of personal responsibility and autonomy
- Flexible working hours and modern working conditions
- Attractive compensation package including a variable component
- Excellent opportunities for personal and professional development

Application

Sounds good?
Then please send your complete application materials, including your earliest possible start date and salary expectations, preferably by email to:

X-RAY WorX GmbH
Herrn Christian Bork
Siemensstraße 26
30827 Garbsen
jobs@x-ray-worx.com
Telefon: (0 51 31) 4 87 12 - 89
www.x-ray-worx.com

More information at https://stellenticket.de/205669/TUBS/
Offer visible until 23/08/26

Development Engineer (m/f/d) – X-Ray Microfocus Tubes

Work location: **Siemensstraße 26, 30827 Garbsen (Germany)**
Work shedule: **Full-time (40 hours or 37,5 hours per week)**

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