vanguard AUTOMATION
MYCRONIC

We are looking for a dedicated individual to join our team as soon as possible as a

System Development Engineer (m/f/d)

Your role

As a System Development Engineer at Vanguard Automation, you will be integral to the hardware development of our advanced 3D lithography systems. This includes designing system components, the optical path, mechanical parts, and integrating electrical components. You will be part of the team that develops, implements, and verifies new features, optimizes fabrication processes, and refines installation and maintenance procedures. Collaboration with software and process development teams is essential to ensure the successful adoption of our technology and high-tech machines by our customers.

Your tasks

- Develop and design system components for 3D lithography systems.
- Implement new features for our industrial systems and conduct testing and validation.
- Design test procedures for evaluation and quality control of our systems.
- Conduct root cause analysis and resolve issues with system components.
- Maintain documentation and records of development processes and protocols.
- Stay updated with industry trends and advancements to incorporate into the systems.

Your profile

- Master's or PhD degree in Optics, Electrical Engineering, Physics, or a related field.
- Strong background in the development of optical systems, mechanical design, or electrical integration.
- Ideally, at least 2 years of experience in the development of industrial systems or system automation.
- Experience with optical systems or high-precision motion control is advantageous.
- Experience in the automation of industrial systems.
- Ability to work collaboratively in an international team environment.
- Excellent problem-solving skills and attention to detail.
- Strong communication and interpersonal skills.

Your application

Please send us your detailed application with curriculum vitae, references, certificates, and salary requirements by e-mail to jobs.vanguard@mycronic.com.