

## We are hiring!

### Lab and testing engineer (m/w/d)

#### About us:

VEC Imaging GmbH & Co. KG is a world leader in the development of nanotube-based multi-beam X-ray tubes (MBX). We are dedicated to developing, manufacturing, and selling nanotube-based X-ray components and control/power electronics for medical and security applications. The combined talent of our engineers has resulted in numerous international publications, IPs, and patents. As a team, we strive to improve healthcare and save lives.

Our vision is to always be forward-thinking. We don't follow - we revolutionize! After years of research, VEC Imaging was founded in 2018 as a joint venture between CETTEEN GmbH and Varex Imaging Corporation, bringing 65 years of X-ray tube manufacturing experience to our joint venture. VEC Imaging holds both ISO 9001 and ISO 14001 certifications, demonstrating our commitment to quality customer service and products and to promoting a sustainable society.

#### Your Responsibilities:

- Production of Nanotube NT emitter.
- Characterization, surface morphology and thickness of Nanotube (NT) emitter.
- Testing the field emission of cathodes (current vs voltage, emission stability, etc.).
- Working in the implementation of highly sensitive laboratory processes.
- Working in collaboration with CAD department for conceptualization of new tool design ideas based on proven inadequacy of existing designs. Provide necessary cross-functionality and take in account risk mitigation.
- Actively contributing with CAD department to implement appropriate design improvements in the cathode parts needed for emitter manufacture.
- Actively contributing with troubleshooting and root cause analysis to ensure any issues or problems that may arise during production are repaired efficiently to meet the deadlines.
- Applying engineering knowledge and principles to develop the best practices, routines, and innovative solutions to improve production yield and quality of output.
- Driving manufacture process improvements through test, design of experiments, data analysis and design enhancements.
- Preparation of working instructions, inspection reports and internal test documentation.
- Examining data and create reports, such as root cause analysis, field emission testing and design change recommendation.
- Developing and maintaining documentation required for yearly internal and external QM audits.
- Responsible of the supplier relationship management being the contact person for our suppliers in all technical matters.

## **Your profile:**

- Masters' Degree in Chemical Engineering, Materials Science, Medizintechnik & Engineering, or Science-related field.
- Complex concept comprehension: X-ray principles, electrical principles and mechanical design.
- Analytical, mechanical, communication and problem-solving skills.
- Technological savviness, chemical laboratory and cleanroom skills.
- Supplier relationship skills, quality assurance and soft skills.
- Excellent attention to detail, fine manual dexterity and independent working style.
- Business fluent English.
- Good understanding of manufacturing processes, work systems and analysis methods

## **Position Summary:**

The lab testing engineer works on the manufacture of high-performance filed emission cathodes for innovative nanotube-based x-ray tubes which are used in medical and security applications. Core tasks are the development, continuous improvement and quality assurance of the materials and processes required for producing the cathodes.

## **What VEC Imaging will offer YOU and why you should get to know us:**

VEC Imaging is headquartered in the Medical Valley Center, Henkestrasse 91, Erlangen. Getting to work is convenient, parking is available as well as a bus stop in front of the building. We are located with easy access to the city center and the train station. Modern offices, state of the art laboratories/clean room, collaborative workspaces and a café make for an enjoyable work experience. You will have:

- The opportunity to work with revolutionary technologies.
- The opportunity to grow and make a difference in an up-and-coming company.
- A versatile field of activity with challenging tasks in a future market.
- A modern workplace with state-of-the-art laboratories and collaborative work areas.
- Excellent transport connections, convenient location, parking spaces.
- A pleasant working atmosphere in an international environment with clever colleagues.
- Flat Hierarchies and short decision-making processes.
- Free beverages.
- Flexible working hours.
- Permanent position.
- 30 days of vacation.
- Corporate events.

## **Recruitment information:**



- **Website:** [www.vecimaging.com](http://www.vecimaging.com)
- **Beginning:** Instantly

**Hours:** Full time, 40 hours per week

**Email:** Submit your CV and complete application documents to HR  
nicole.cahn@vecimaging.com