

Driving decarbonization and digitalization. Together.



Lead Principal Engineer Test Technologies and Solutions (f/m/div)

Job description

Are you an experienced testing professional seeking a new career opportunity? Joining our team as a Lead Principal Engineer, you will coordinate and manage testing activities for high power products in the automotive sector on a global scale. In this role, you will be responsible for providing technical guidance, developing new testing methodologies, driving test improvement programs, and contributing to product development, yield engineering, and focus teams with testing expertise.

In your new role you will:

- **Coordinate worldwide testing activities for automotive high power products** with IGBTs, diodes, and SiC MOSFETs
- **Monitor testing implementation** from wafer level to product level for automotive high voltage bare die and discrete products
- **Provide technical guidance and mentoring to test development engineers** for timely project completion
- **Develop and introduce new testing methodologies and tools** to meet product and customer requirements
- **Drive test improvement programs and realization projects** with development and production teams
- **Contribute to product development, yield engineering, and focus teams** with testing expertise

Profile

Your respectful and collaborative attitude towards colleagues exemplifies the qualities of a true team player. Your dedication to precision, motivation and continuous learning makes you a great fit for a dynamic, innovative and multicultural work environment.

You are best equipped for this task if you have:

- **Master's, diploma, or PhD degree** in electrical engineering, physics, or a related field of study
- At least **6 years of experience in test engineering and test development** semiconductor devices
- Extensive **technical knowledge in test development for high power semiconductor devices**

At a glance

Location: **Dresden (Germany)**
Job ID: **HRC0466971**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0466971**
www.infineon.com/jobs



Contact

Elisa Stasch
Recruiter



- **Strong conceptual leadership skills** with the ability to guide and mentor test development engineers
- Excellent **communication and presentation skills** in English and German

Benefits

- **Dresden:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International Assignments; Different Career Paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions in office jobs; Home Office possibilities; Part-time work possible (also during parental leave); Spots in local kindergarden; On-site social counselling and works doctor; Health promotion programs; Fitness Room; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport, car sharing, charging station for e-cars and e-bikes; Accessibility, access for wheelchairs; Possibility to work remotely from abroad (EU)

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

The **Development Center Dresden** was launched in 2019 and is growing successfully. Today, more than **120** top-class experts and young talents from **23** nations are working on research and development of new products and solutions for automotive and power electronics, software, chip design and verification, characterization of complex systems as well as development of products and solutions with artificial intelligence. In the long term, the Development Centre will employ around 250 people. State-of-the-art research and characterization labs facilitate R&D activities for automotive applications, electromobility and AI chips of the next but one generation. The Development Center covers the complete development value chain from product and system definition to qualification.

This is the right place for you, if you want to work in a high-tech environment, master challenges of advanced product development, be part of a multicultural team with great spirit and experience a startup-like culture.

[Click here](#) for more information about working at DC Dresden with interesting employee and management insights and an overview with more Jobs at #DCDresden.

Automotive High-Voltage: We Drive the Electrification of Cars

Our vision of the future is zero-emission and autonomous mobility, based on electric vehicles.

Infineon's role: Our chip solutions control the electric current from the battery to the electrical consumers, whether a traction motor of an electric vehicle, a power steering system or an in-car USB charger. In fact, our products directly impact the range, size, reliability and affordability of electric vehicles. Engineers at the business line **High-Voltage** (ATV HV) create products that are both market and technologically leading. Our highly diverse and ambitious teams have a desire to shape the future with innovation aimed at propelling society towards fully electric, zero-emission, autonomous mobility.

ATV HV contributes to shape the future of mobility with microelectronics enabling clean, safe, smart cars.

[#PowerForElectromobility](#)

We are on a journey to create the best Infineon for everyone.



This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

