

Working Student (m/f/d)

Power Electronics & Test Engineering

Location: Chemnitz

Hours: 15 hrs/week (flexible around your studies)

Start: As soon as possible

Duration: 3-6 months (extension possible)

Are you pursuing a degree in Electrical Engineering or a related field and looking for an innovative and dynamic company to gain expertise in the field of power electronics and reliability? Then you've come to the right place!

About us:

We are a young and dynamic company founded in November 2021 as a spin-off from the Chair of Power Electronics at Chemnitz University of Technology. We specialize in providing advanced testing services for power semiconductors. In addition to conducting reliability tests and developing test benches for our customers, we are actively engaged in an EU-funded project and maintain close collaboration with the Chair of Power Electronics on research initiatives. By driving modern technologies such as electromobility and renewable energy, we contribute to reducing CO2 emissions and are poised for further growth.

Your role:

Join our team to support hands-on lab work and test automation in power electronics. You'll contribute to real customer projects and research collaborations while developing practical skills that complement your studies.

What you'll do:

- Perform measurements with oscilloscopes, SMUs, power supplies and other equipment; document results.
- Develop scripts for data acquisition, analysis and reporting (e.g., Python/Excel).
- Help with PCB prototyping and basic design reviews (e.g., KiCad).
- Assist in planning, setting up and executing dynamic voltage switching reliability tests up to 1500 V DC.
- Create concise technical documentation, procedures and test reports.

What you bring:

- Enrollment in Electrical Engineering, Electronics, Mechatronics, or a related field (Bachelor or Master).
- Solid fundamentals in power electronics, semiconductor devices and measurement techniques.
- Practical lab skills and familiarity with instruments (oscilloscope, SMU, PSU, DMM).
- Programming for test & data (preferably Python/Excel).

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- PCB design (schematics, footprints, and simple 2–4 layer layouts for test fixtures/adaptor boards).
- Structured, proactive way of working, strong teamwork and communication skills.
- Good English; German is a plus.

What we offer:

- Meaningful responsibility from day one and strong mentorship.
- Flexible working hours, coordinated with your academic schedule.
- Flat hierarchies, open culture and the chance to actively shape ideas.
- Exposure to industrial and research projects (incl. EU-funded work).
- Competitive hourly compensation, team events and complimentary beverages.
- Option to evolve the role into a thesis topic by mutual agreement.

How to apply:

Send your CV, a short cover letter (why you, why us), transcript or grade overview , certificate of enrollment and your earliest start date to jobs@cpowerlabs.com with the subject line: **Working Student – Power Electronics**.

Chemnitz, 12. Feb. 2026