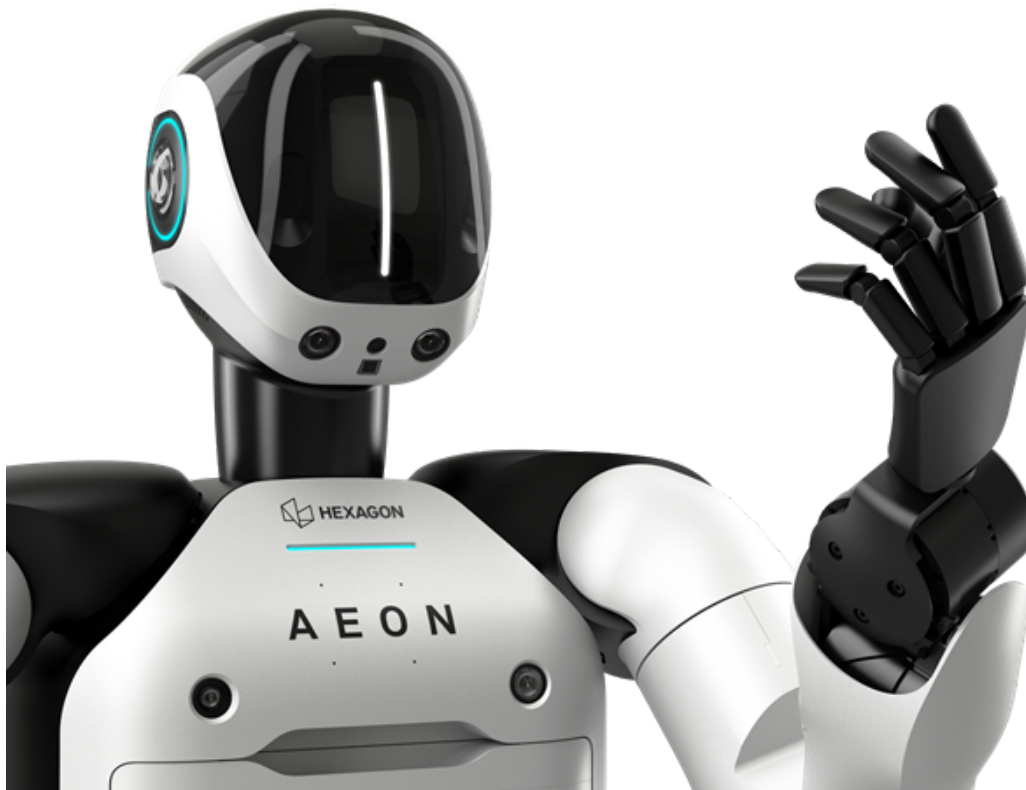




Electronics Technician (f/m/d)

100% Zürich

Hexagon Robotics is a division of Hexagon – a global leader in precision measurement. Established in 2025, Hexagon Robotics develops humanoid robots for industrial sectors to address labor shortages and enable the transition from automation to autonomy. The first humanoid product, AEON, was launched in June 2025 and combines agility, awareness, spatial intelligence and versatility to provide a market-leading solution for automotive, transportation, aerospace, manufacturing, and logistics customers.

As an **Electronics Technician**, you will play a key hands-on role in the development, assembly, testing and validation of electronics for our next-generation robotic systems. Working closely with our Electronics, Mechanical, Embedded Software and Platform teams, you will help turn engineering designs into reliable prototypes and production-ready solutions.

Your Mission

- Building, assembling and modifying electronic prototypes, PCBAs, cable harnesses and complete electromechanical systems
- Performing fine-pitch soldering, rework and repair of electronic assemblies, including SMT and through-hole components

Your Skillset

- Ideally a degree in Electrical/Electronic Engineering, Electronics, Mechatronics or a similar technical discipline; alternatively, a strong vocational qualification in electronics combined with significant relevant industry experience
- At least 5 years of professional experience in an electronics technician, electronics

- Supporting engineers with the bring-up, debugging and validation of new PCBAs and electronic systems
- Carrying out electrical measurements and troubleshooting using oscilloscopes, multimeters, power supplies, electronic loads, logic analysers and other laboratory equipment
- Creating, modifying and maintaining cable harnesses, including crimping, soldering, connector assembly and continuity testing
- Building and maintaining test benches, fixtures and development equipment
- Supporting prototype and small-series robot builds, including electronics integration, fault finding and system-level testing
- Executing test plans and documenting test results, failures and corrective actions
- Performing incoming inspection and functional testing of PCBAs, cables, batteries and other electronic components supplied by external manufacturing partners
- Supporting root-cause analysis of hardware failures and implementing rework or corrective actions
- Working closely with Engineers on schematic reviews, component selection, PCB modifications and prototype improvements
- Supporting external suppliers and manufacturing partners with technical questions, assembly issues and quality investigations
- Maintaining an organised electronics laboratory, including tools, test equipment, components and prototype hardware
- Working in a multicultural and interdisciplinary team across electronics, mechanics, software and robotics

engineering, hardware development, test or similar hands-on role

- Excellent practical electronics skills with a strong ability to assemble, debug, modify and repair electronic hardware
- Strong soldering and rework skills, including experience working with small SMT components, fine-pitch devices and delicate PCBAs
- Confident using oscilloscopes, multimeters, bench power supplies, electronic loads and other standard electronics laboratory equipment
- Experience with cable and wiring assembly, including crimping, soldering, connector assembly and cable testing
- Ability to read and understand electronic schematics, wiring diagrams, PCB assembly drawings and component datasheets
- Experience with PCBA bring-up, hardware debugging, fault finding and root-cause analysis
- Familiarity with power electronics, batteries, motors, sensors and communication interfaces such as CAN, EtherCAT, Ethernet, SPI, I²C and UART is advantageous
- Experience working with Altium Designer or another ECAD package is advantageous
- Experience with automated test equipment, test scripting or basic programming (for example Python) is advantageous
- Experience working with external PCBA, cable harness or electronics manufacturing partners is advantageous
- A practical, methodical and quality-focused approach, with the ability to work independently and take ownership of laboratory and prototype activities
- Comfortable working in a fast-moving R&D environment where designs and priorities can evolve quickly

- Proficiency in English required; German skills are advantageous

What You'll Get

- Flexible working hours and a hybrid model for real work-life balance
- Generous vacation: 25–30 days depending on age
- CHF 500 mobility credit for sustainable commuting
- Bonus system & strong pension contributions
- Tailored training & development opportunities
- Relocation support for a smooth start
- Discounts on health, mobility & entertainment
- Team events and a flat hierarchy where your voice counts
- A warm, international culture built on respect and collaboration

Great robots need great people.

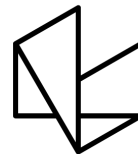
Apply Now

Contact

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HEXAGON

Hexagon Robotics

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