



Welcome to **NEURA Robotics**, the innovator of the robotics world. Our goal is to equip collaborative robots with groundbreaking cognitive capabilities to enable safe and intuitive collaboration with humans. Under the leadership of founder David Reger, we have spent the first years of **NEURA Robotics** laying the foundations for humans and robots to work hand in hand.

"We serve humanity" is not just a motto, but our mission. Become part of our ambitious, international company and shape the future of robotics with us.

Welcome to **NEURA Robotics** - where innovation meets team spirit.

We are developing the next generation of high-performance actuation systems for humanoid robots. Our goal is to push the boundaries of torque density, efficiency, and dynamic performance to enable robots that can interact with the world with human-like strength, agility, and precision.

Our team combines expertise from robotics, aerospace, automotive, and advanced electromechanical systems to build actuators that redefine the state of the art.

Your mission & challenges

We are looking for a Senior Electric Motor Design Engineer to lead the design and development of high-performance motors for robotic actuators. You will work on motors that demand extreme torque density, compact packaging, and high efficiency while operating within the tight constraints of humanoid robotic systems.

You will collaborate closely with mechanical, power electronics, controls, and robotics teams to create

integrated actuation solutions.

- Design and develop high-performance electric motors optimized for torque density, efficiency, and dynamic response
- Perform electromagnetic design and simulation of advanced motor topologies
- Optimize motor architecture considering:
 - electromagnetic performance
 - thermal management
 - manufacturability
 - integration with gearboxes and sensors
- Work with multidisciplinary teams to integrate motors into robotic actuator systems
- Conduct performance testing and validation of motor prototypes
- Evaluate and incorporate emerging technologies in electromagnetic machines
- Drive iterative design improvements based on test results and system requirements
- Contribute to system-level actuator architecture

What we can look forward to

Must-have:

- MSc or PhD in Electrical Engineering, Electromechanical Engineering, or related field
- 5+ years experience in electric motor design
- Strong background in electromagnetics and electric machine theory
- Experience designing high-performance motors (e.g. for robotics, aerospace, automotive, or advanced industrial systems)
- Proficiency with electromagnetic simulation tools (e.g. Ansys Maxwell, JMAG, Motor-CAD, COMSOL, etc.)
- Understanding of:
 - thermal management
 - magnetic materials
 - power electronics interaction
 - mechanical integration
- Hands-on experience building and testing motor prototypes

Nice-to-have:

- Experience with high torque density motor architectures
- Experience designing motors for compact electromechanical systems
- Experience integrating motors with robotic or mechatronic systems
- Familiarity with motor manufacturing methods and materials
- Experience optimizing motors for mass, efficiency, and thermal limits

What you can look forward to

- Opportunity to build next-generation actuation systems for humanoid robots
- Work on cutting-edge electromechanical systems
- Enjoy an attractive salary, flexible working hours and 25 days of vacation
- Excellent location in Zurich Seefeld
- New and state-of-the-art office space and workstations
- The freedom to contribute your own ideas and drive them forward
- Celebrate successes together with company events
- Take advantage of our corporate benefits program
- And even more fun with great colleagues

[Apply](#)

We are looking forward to meeting you and shaping the future of robotics together. Are you in?

Couldn't find a suitable position? Please send us an unsolicited application.

We are always looking for passionate tech enthusiasts to help us revolutionize the world of robotics!





NEURA
ROBOTICS