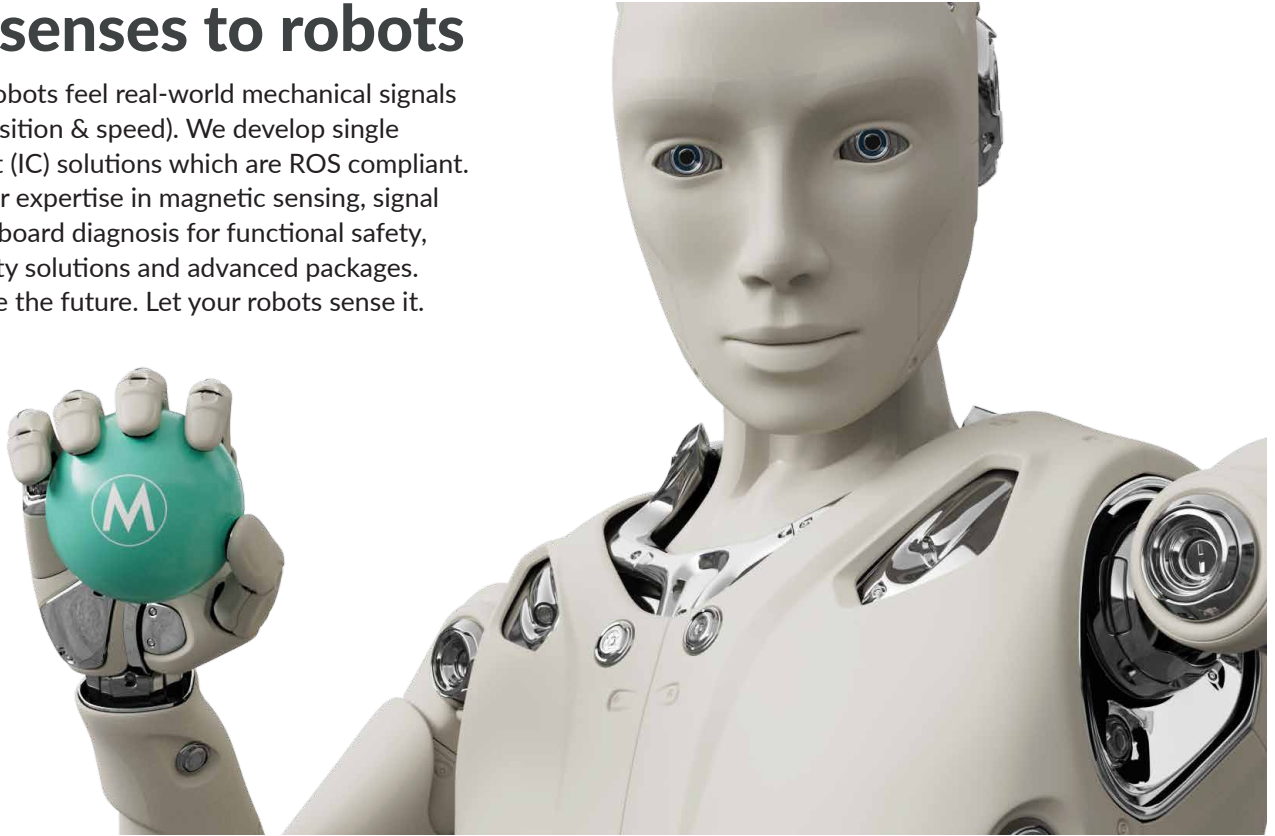


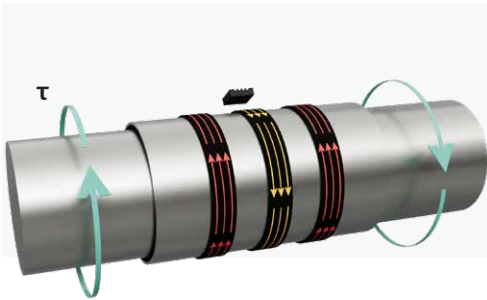
INNOVATIVE MAGNETIC SENSING FOR ROBOTICS

Giving senses to robots

Our sensors let robots feel real-world mechanical signals (torque, force, position & speed). We develop single Integrated Circuit (IC) solutions which are ROS compliant. They combine our expertise in magnetic sensing, signal conditioning, on-board diagnosis for functional safety, automotive quality solutions and advanced packages. Melexis ICs shape the future. Let your robots sense it.



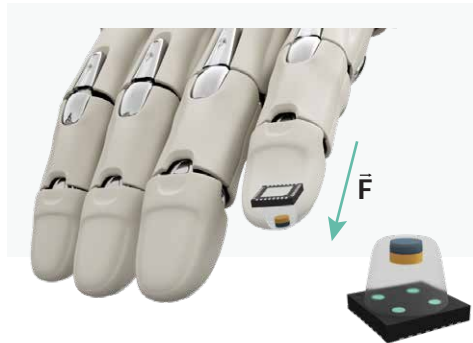
Torque



Triaxis® 3D magnetometer with magneto-elastic shaft

- Minimize footprint with higher integration
- Avoid use of bulky coils

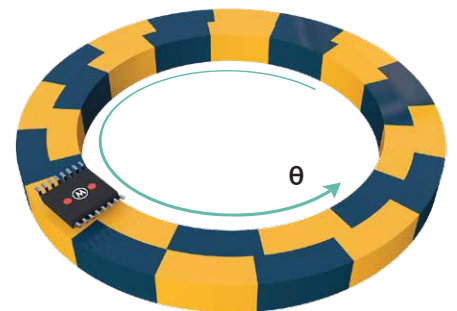
Force



Triaxis® 3D magnetometer and magnet embedded in an elastomer

- 3D force sensing
- Soft contact surface
- Scalable into array

Position & speed



Triaxis® position sensor and multi-track magnet

- On-chip calibration
- Relaxed assembly tolerances
- Mounted on hollow shaft

Find out more
www.melexis.com/robotics

