

Worldwide leader in precision & reliability

LAB Motion Systems is a high-tech company, specialised in the development of machines that require advanced motion performance. This advanced motion control is realised for OEM integrations, special developments and research applications.

LAB is your partner from concept generation up to series production. Mechatronics is a keyword in our activities: we offer cutting-edge bearing technology, high performance direct drives, servo drivers and integrated motion control. To achieve this, we rely on an excellent team of PhD's, development engineers and well-trained technicians. In order to respond adequately to new demands, we can rely on unique and high quality air bearings, cogging-free direct drives and advanced motion control systems.

Our products and systems are based on:

- High precision air bearings
- Precision ball bearings
- Special developed iron-less direct drives to reduce cogging and realise an optimal performance
- Motion systems with special developed servo-driver or to be combined with your own drivers
- High precision with maximum work load
- Profound mechatronic knowledge
- Controller integration and optimisation
- Complete service: from idea to series product!
- Calibration and measurement reports
- ISO9001 certified design- and production process

Accurate Fast Frictionless



Products

LAB produces a well-balanced selection of high performance rotary and linear stages. We offer off-the shelf products but also have extensive experience in the development of customized products for OEM-applications. Our products provide complete rotation and linear solutions for your application.

Systems

We have the know-how and experience to realise complete integrated systems for high-performance motion. Our engineers master every aspect of mechatronics. We offer a complete service: from initial study and concepts, to system design, manufacturing, assembly, motion control and calibration.

R&D

The R&D group is the backbone of our company. In this group, future products are conceived, developed and tested. Our team continuously works on the development and improvement of new production methods, motor and bearing technology in order to supply you with the best available solutions!