Drives and Micro Precision Systems
The FAULHABER Group combines the innovative technologies of world renowned specialists in precision micro drive systems.

FAULHABER Group products are applied worldwide in nearly all high-technology market segments where precision, reliability and quality are essential.

Continual research and development in combination with decades of extensive experience providing custom drive solutions create a solid basis for cutting-edge innovation.
FAULHABER worldwide

Head offices

FAULHABER
Germany
Schönaich

FAULHABER MINIMOTOR
Switzerland, Croglio

MICROMO
USA, Florida Clearwater

Subsidiaries / Partnerships

Development and Production
- FAULHABER Motors Hungaria
- FAULHABER Motors Romania
- FAULHABER PRECISTEP, CH
- PiezoMotor, SE
- PFM Automation, CH
- Rolla Microgear, CH
- Rolla Décolletage, CH

Sales and Marketing
- FAULHABER Singapore
- FAULHABER France
- FAULHABER China
- MINIMOTOR Benelux

Micro Precision Systems
- MPS Micro Precision System, CH
- MPS Décolletage, CH
The FAULHABER Group is active in all industrialized countries worldwide.

With 1.450 employees and product representatives in 31 countries FAULHABER provides an international network of experienced application engineers to ensure the Group’s high standard of competent applications assistance.
Product Portfolio

FAULHABER GROUP

FAULHABER
Drive Systems

- DC-Micromotors
- Flat DC-Micromotors & DC-Gearmotors
- Brushless DC-Micromotors
- Brushless DC-Servomotors
- Brushless DC-Servomotors, (4-Pole Technology)
- Brushless DC-Servomotors with integrated Speed Controller
- Precision Gearheads (Planetary, Spur, Hybrid)
- Encoders
- Servo Components
- Drive Electronics (Speed- and Motion Controller)

smoovy® Technology
Brushless DC-Micromotors

SMARTSHELL® Technology
Brushless DC-Servomotors

penny-motor® Technology
Brushless Flat DC-Micromotors & DC-Gearmotors

PRECIsstep® Technology
Stepper Motors

QUICKSHAFT® Technology
Linear Servo Motors

mps
Micro Precision Systems

- microlinea®
  - High Precision Ball Screws
  - Miniature Linear Bearings

- microsphere®
  - Miniature Precision Balls
  - Watch Bearings
  - Biocompatible Bearings
  - Bearings für Micromotors
  - 4 Point Contact Bearings

Production Network

FAULHABER GROUP

Technology Partnerships
Driving Innovation

Motor Technologies
Precision Gearheads & Mechanical Components
Encoders & Servo Components
Drive Electronics & Software

Drive Systems

Standard
Modifications
Custom Solutions

Level of Complexity

WE CREATE MOTION
Seamless Partnership

Commitment and experience define our mutual success

The prerequisite for success is the dialog with our customers. Only through a focused exchange of information and ideas can the customer's needs be fully understood and the most efficient solution provided.
We create Motion

Moving in new directions for continuous innovation

From the idea, to the prototype, and through to the innovative new products that we bring to the market year after year, FAULHABER utilizes state-of-the-art tools and methods to support and enhance its research and development capabilities.

Our philosophy is market driven technology leadership

For over 60 years the name FAULHABER has been synonymous with inventions and innovations that have written countless chapters in the history of miniature and micro drive technology.

FAULHABER was awarded with the renowned „Best Innovator“ honour for successful and sustainable innovation management.
The Standard is High-tech

The highest power in the most compact dimensions

FAULHABER miniature and micro drive systems are electromechanical masterpieces. In today’s high-tech market, miniaturization and an ever increasing need to integrate intelligent features into our systems are common challenges.

Our globalized network of state-of-the-art production facilities provide an integrated, highly competitive, efficient production platform focused on on-time delivery and uncompromising quality.
A Vision of Innovation

Unique applications demand unique solutions

FAULHABER’s service portfolio ranges from custom design of drive components to the design of complete drive systems based on strategic partnerships with our customers which includes coordinated development and production support.

This close partnership provides the opportunity of our customers to focus on their core capabilities in order to assure the future market success of their product.
Applications driving the Future

Innovation in products and processes and a consistently high level of expertise are the driving force behind the success of FAULHABER in highly demanding fields of application.

- Medical and laboratory equipment
- Instrument technology
- Production automation and robotics
- Industrial manufacturing
- Aerospace and aviation
- Environmental and personal protection
- Security systems
- Telecommunications
- Optical engineering
- Audio and video and much more...

© DFF - Overview - en
Total Quality Commitment

We believe that the commitment to total quality is the responsibility of each and every employee.

A clearly defined quality system supports our employees from the first contact with a customer through to delivery and after sales service and contributes to the uncompromising quality and high performance of our products and services.

Periodical ISO audits guarantee that we fulfill the accepted international standards and we profit from an external view of our management processes and procedures.
Naturally efficient

The basis for a responsible use of resources

The reduction of CO₂ emissions and the responsible use of energy play a key role in protecting our environment for future generations. FAULHABER is doing its part through the conscientious development of highly energy and resource efficient drive systems which help to lower overall energy use in a myriad of high-tech applications.

This also includes energy efficient production, disciplined recycling, and a commitment to energy efficient infrastructure and facilities worldwide.
History

1947 The „DR. FRITZ FAULHABER Feinmechanische Werkstätten“ were founded
1958 The invention of the ironless rotor coil (Patented 1965)
1961 Founding of MicroMo Electronics Inc., USA
1962 Founding of MINIMOTOR S.A., Switzerland
1967 Founding of Ikertechnika Kft., Hungary
1999 Acquisition of FTB Feintechnik Bertsch, Schwenningen
2000 FAULHABER Group cooperation with ARSAPE SA, La Chaux-de-Fonds (Switzerland)
2001 Acquisition of LMM Kft., Budapest (Hungary)
2003 Acquisition of MPS Micro Precision Systems AG, Biel (Switzerland)
2004 Fusion of Hungarian Operations Ikertechnika and Faulhaber Motors Hungaria
2005 Founding of FAULHABER Motors Romania and FAULHABER Singapore Pte Ltd
2007 Cooperation Agreement with Piezo Motors AB, Uppsala (Sweden)
2008 ARSAPE SA changes name and brand to PRECISTEP SA
2009 Founding of FAULHABER France
2010 Founding of FAULHABER China
More Information

Catalogue

Brochure

faulhaber.com