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**THREE CORE BUSINESSES**

ETEL focuses on three core businesses, we develop, manufacture and support in the fields of:

**MULTI-AXIS MOTION CONTROLLERS**

- Linear Motors
- Torque Motors

**STANDARD MODULES**

- Multi-axis Motion Controllers
- Position Controllers

**ADVANCED MOTION PLATFORMS**

- Linear Motors
- Torque Motors

Product Overview

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**ABOUT ETEL**

Since its founding in 1974, ETEL has grown steadily to become a leading supplier of high performance motion control components and complete motion platforms. ETEL is the preferred supplier worldwide that is 100% dedicated to direct drive solutions. ETEL will maintain its leadership position with:

- Continuous technological innovation
- Leading-edge products and services
- Uncompromising quality standards
- Synergies within the HEIDENHAIN group already proven to be a winning combination
- A stable working environment where employees can develop their expertise and contribute to success

Our presence in a broad range of industries and experience with many demanding OEM manufacturers make us the perfect partner for companies looking for high precision, repeatability and long-life quality solutions.

For more information about ETEL, refer to our Company Profile catalog.
ETEL offers the most comprehensive standard torque motor range in the industry. With more than 100 models to choose from, almost any requirement can be successfully fulfilled.

ETEL’s know-how in ironcore design provides the industry’s most efficient direct drive torque motors. A continuous development effort maintains ETEL’s leading position in the market.

**Highlights**

- External diameter up to 1290 mm
- Large hollow shaft up to 1070 mm
- Maximum rated speed up to 5450 rpm

**Ironcore highlights**

- Speed up to 15 m/s
- Continuous force up to 956 N
- Peak force up to 3650 N
- Low force ripple
- All linear motor types work with the same MWD magnetic array

**Ironless highlights**

- Continuous force up to 478 N
- Low glider masses down to 100 g
- Peak force up to 3200 N
- Option: forced air cooling

**TORQUE MOTORS**

**LINEAR MOTORS**

ETEL’s linear motors are divided into two categories: ironcore and ironless. With more than 50 models to choose from, almost any requirement can be successfully fulfilled.

**Ironcore**

- High force
- Low mass glider
- 600 VDC compliant

**Ironless**

- High force
- Low mass glider
- 600 VDC compliant

**MOTION SYSTEMS**

ETEL’s expertise and broad range of motion systems, satisfy the needs of many industries. Even the most demanding applications as found in semiconductor and electronics, can be achieved using single or multi-axis systems with proprietary electronics, controls and damping elements, thanks to a tailored ETEL product.

**Front-end**

ETEL enables customers with unparalleled accuracy, repeatability and resolution, as a unique turn-key solution which dramatically reduces integration efforts and eliminates costs unrelated to their care activities. ETEL modular approach additionally brings easy pathways for lifetime extensions and faster ROI on any customer equipment and use case.

**Back-end**

When extreme speed, large payload and intense duty cycles cause reliability to be of paramount concern, ETEL leads this market with products of renowned quality, reliability and of no compromise on performance. From actuators to complete motion solutions, ETEL proudly serves customers with worry-and failure-free everlasting products.