

Precision at new definition: Föhrenbach's mechanical and motorized components and systems focus of company's presentation at trade show LASER 2007 in Munich

- *Demonstration and application samples of the innovative, powerful mechanical components and products of the guide slide and positioning systems division*
- *Motorized precision slides and rotary tables as single unit or in combination as integrated system for high-precision applications such as the laser technology*

Löffingen-Unadingen, June 22, 2007 – The company Föhrenbach GmbH, one of the important developers and producers in the automation and handling technology for the precision machinery industry, introduced at the trade show **LASER 2007** in **Munich** a selection of its innovative product portfolio of mechanical and motorized component and system solutions for sophisticated automation. At **booth no 101 in hall B3** the visitors were positive about the versatile use of the precision rotary tables **RT2A** (with worm drive) and **RT3A** (direct driven), the compact precision guide slides **PCL** and **PFL** with integrated linear motor and measuring system and the products **PFS** (precision slide with ball spindle drive and bellows cover).

The rotary tables with integrated direct drive (**RT3A**) feature optimized driving torque rate, highest precision and high rigidity. With its high acceleration, r.p.m, dynamic and zero backlash the product is predestinated for the utilization in the precision machinery industry such as the laser technology and other sophisticated applications. The rotary tables with worm drive - **RT2A** – feature a high true running and axial run-out accuracy and are equipped with a large fitting hole. The rotary table is completely sealed and maintenance-free. Both versions are completely wired as “plug-and-run” units.



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The linear components **PCL** (version with cover) and **PFL** (with bellows) – both developed and produced by Föhrenbach – guarantee high accuracy in a super compact package due to the high integration of all components. With the standardized and integrated measuring systems, available in the versions magnetic, optical or opto-isolated, with the option of integrated centralized lubricating or, depending on the implementation, with or without cooling, the linear unit can be used in applications with extreme high dynamics, positioning accuracy (smaller 1μ) and stroke (up to 3600 N max). At the same time the **PCL / PFL** are wearless and reliable units due to their contactless architecture: Even under adverse operating conditions with dust, water or oil involved, the linear unit features excellent synchronisation characteristics and a continuous highly efficiency at rated power. „With our profiled guide slides the customer uses not only an innovative high-tech product that is predestinated for size-critical and at the same time challenging applications. Its compact size is realized through its high integration of all components. Due to the fact that the direct drive unit can be equipped with a pre-parameterized servo drive or the customer can provide a servo drive and Föhrenbach will program it, the customer saves time, manpower and most of all costs. He has the full flexibility with his axis control.“, says Manfred Föhrenbach, founder and managing director of Föhrenbach GmbH. „On top of that due to the integrated architecture the decreased EMV values and less cabling are additional advantages of our system.“, says Manfred Föhrenbach.

Additional information on the products or the company Föhrenbach GmbH at
www.foehrenbach.com.



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The Föhrenbach Group is developer and producer of high-precision components, units and systems for linear and rotary movements of the automation technology and precision machinery industry. Products of Föhrenbach are solutions for guided slide, drive, movement, control and positioning requirements. Additionally Föhrenbach offers products to complete the portfolio for customized complete solutions up to special machines. Founded in 1975 the company is today one of the leading suppliers and serves with about 100 employees well-known customers of the general machinery industry but also of specific branches such as laser technology, grinding, measuring- and checking, palletising/packaging machine industry, CNC machines or medical technology. Additional production plants in Switzerland (Weinfelden) and Ireland (Sligo), all state-of-the-art production facilities with a large manufacturing range for highest quality standards, ensure short delivery times and just-in-time service for the international customer base.

