

P R E S S R E L E A S E

Launch of the innovative, powerful products of the Föhrenbach guided slide and positioning systems division at international trade show Automatica 2006 great success

- *Linear profiled guide slides with integrated direct drive of the product family **PCL** and **PFL** is a complete systems in super compact package*
- *Rotary table type **RT3A** with integrated direct drive is a plug-and-run unit for high-precision applications*

Löffingen-Unadingen, May 22, 2006 – The company Föhrenbach GmbH, one of the leading developers and producers in the automation and handling technology for the precision machinery industry introduced at the trade show Automatica 2006 (May 16 – 19, Munich, Germany) with great response two innovative product developments of its profile guide slide and positioning systems division. By exploring the demos at the booth the visitor was able to receive detailed information on application possibilities for the direct drive rotary tables of the product family **RT3A** and the linear profiled guide slides with integrated direct drive and measuring system **PCL / PFL**.

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 system, 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 1 μ) 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 due to its high integration of all components and therefore its compact size. 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 programm 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 cabeling is an additional advantage of our system.“, says Manfred Föhrenbach.

The plug-and-run rotary tables with integrated direct drive (**RT3A**) feature optimized driving torque rate, highest precision and high rigidity. The versions with 100, 150, 200 or 300 mm diameter and a motor variants with torque up to 750 Nm the rotary table comes in general with an optical measuring systems and a large fitting hole. „With our standard rotary tables we cover most of the customer requirements: The exceptional large fitting hole of 50 mm with an outside diameter of 150 mm and the standardized drilling template allow a certain flexibility of choice of installation, mounting and chuck tools. Again the robust architecture in combination with high acceleration, r.p.m, dynamic and zero backlash are important features of our product family **RT**“, says Manfred Föhrenbach. As an option the rotary tables can be pre-equipped with chuck tools (jaw chuck or pneumatic gripper) of Föhrenbach GmbH. The **RT** can be customized in terms of operating voltage or measuring system.



Further information on the products or the company Föhrenbach GmbH at

www.foehrenbach.com.

Contact

Bianca Föhrenbach
Assistant of the Managing
Director Lindenstraße 34
D-79843 Löffingen-Unadingen Germany
Tel: +49 (0) 77 07 159 – 21
Fax: +49 (0) 77 07 159 – 75
bianca@foehrenbach.com

Editor and Press Contact

Beatrix Pfundstein
Agentur Pfundstein
Viktor-von-Scheffel-Str. 3
D-78086 Brigachtal Germany
Tel: +49 (0) 77 21 99 01 61
Fax: +49 (0) 77 21 40 41 840
pfundstein@agentur-pfundstein.de

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.

