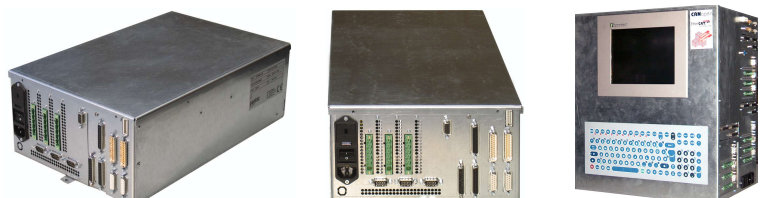


Föhrenbach's newly developed control units of the F-MMS® series unipos C110 and C220 is a highly integrated power device for versatile drive requirements

- ***Modular construction design with universal programming level for flexible and user-friendly implementation***
- ***Extremely high power density in compact package***

Löffingen-Unadingen, July 18, 2006 – The company Föhrenbach GmbH, one of the leading developers and producers in the automation and handling technology for the precision machinery industry enlarged its drive technology product portfolio with its newest developments, the **unipos C110** and **C220** control units of the **F-MMS® (Föhrenbach Modular-Motion-System) series**. For the supplier of positioning and drive systems the **unipos** control units are additional strategic products to complete its system solutions and feature amongst others a modular construction design, a highly integrated power device, the compact size and a variety of technical features.

The **unipos** control units, Föhrenbach's so called Low-Cost CNC, dispose of a large number of outstanding features and application possibilities. While the C110 bases as a point to point control unit on a most modern embedded-system-technology, the C220 series is a pure continuous path controller with a highly powerful IPC-Technology with IGBT or MOSFET power card kernel. For fast implementation the units feature standardized communication options such as an USB and Ethernet interface, CAN 2.0b, CANopen (DS402, 301) or EtherCAT ports. Both models are equipped with adaptive Touch-Displays for easy handling. The control units include internal connection options for 5 respectively 9 axis, step or servo motors extensible for external axis via CANopen or EtherCAT (only with model C220) and have internal digital I/O's (opto-isolated) that can be extended also via CANopen.

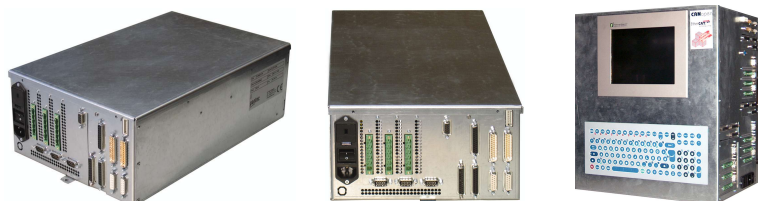


the **unipos** series feature a large number of feedback options such as resolver, EnDAT, single and multiturn Hyperface. With build-in safety functions such as emergency stop (abort), protection against overheating the control unit is an all-inclusive device without the need of a large number of additional external function components.

„With our **unipos** control units we developed a power device that is exceptional attractive for the most different applications. With its size, its versatile implementation possibilities for 2 and 3 phases servo motors and step motors plus its cost/power ratio the unit is predestinated for applications within the laser, handling or dose technology“, says Alexander Bruno, Project Manager Control Units at Föhrenbach. „With **unipos** the equipment producer uses only one control family that bases on a modular construction design. Therefore he is able to cover all machinery concepts with all their different requirements on performance very comfortable, flexible and cost-saving. Our customer has besides this universal usage and through the modular design almost unlimited extensibility another big advantage: Because of the many integrated functionalities he can spare the control cabine. That saves a lot of hardware costs and reduces cabling that absorbs often a lot of manpower. An additional consequence is an optimized EMV-behavior that results in higher power and quality of the entire equipment. The user-friendly handling of the parameterisation, configuration and programming realized by using pictograms and adaptive menu structures, allow an even not so CNC-experienced mechanician the set-up and start within a few hours. That is what I call an universal plug-and-run unit that for sure is exceptional in this cost/power ratio.“, says Alexander Bruno.

Additional information on the products or the company Föhrenbach GmbH at

www.foehrenbach.com.



PRESS RELEASE



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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.

