

## Press Release

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### More universal, more transparent, less complicated: Rexroth relies on Ethernet Variants

More universal, more transparent, less complicated: Ethernet-based and real-time capable communication systems open new possibilities for machine manufacturers and system integrators to advance the modularization of machine designs and considerably reduce engineering costs. Dr. Karl Tragl and Wolfgang Altmann explain how Rexroth supports the internationally accepted standard SERCOS III in complete system solutions and simultaneously makes possible other solutions on all automation levels and in all drive technologies.

"For its industry-specific system solutions, Rexroth relies on the manufacturer-independent SERCOS III standard," said Dr. Karl Tragl. "SERCOS III unites the proven real-time mechanisms used in two million nodes with Ethernet physics and offers maximum performance with cycle times of 31.25  $\mu$ s. With an I/O profile and a safety protocol, SERCOS III thereby establishes itself as a continuous and future-proof universal bus. Rexroth unites this international standard with powerful Motion Logic integration, intelligent drives and industry-oriented application know-how into scalable drive and control solutions. Moreover, Rexroth offers open interfaces for the transition to Ethernet-based, third-party solutions on every automation level, i.e. machine control, motion control and intelligent drives." – Dr. Karl Tragl, Chairman of the Board of Management and Technical Director of the Division Electric Drives and Controls.

"As technology leader for electrohydraulic motion controls, Rexroth supports all necessary regional and industry-specific control architectures on an Ethernet basis with custom hydraulic solutions," explained Wolfgang Altmann. "In the single- and multi-axis motion controls, the solution already takes into consideration the specific characteristics of fluid power technology. They process the movement tasks independent of the cycle time of the primary PLC in real-time. This simplifies the integration of the motion controls and decouples the drive physics from the automation level. As a result, users can directly integrate the proven advantages of hydraulics, such as high power density, generation of linear movements without wear, compact dimensions and cost effectiveness, in new machine designs using an universal communication architecture." – Wolfgang Altmann, Executive Vice President Sales of the Division Industrial Hydraulics.

Contact for journalists:  
Bosch Rexroth AG  
Dr. Wiebke Wittschen  
97814 Lohr a. Main  
Tel.: +49-9352-18-1573  
Fax: +49 9352 18-1812  
wiebke.wittschen@boschrexroth.de

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*Bosch Rexroth AG is one of the world's leading specialists in the field of drive and control technologies. Under the brand name of Rexroth the company supplies more than 500,000 customers with tailored solutions for driving, controlling and moving machinery used in industrial and factory automation as well as in mobile applications. As The Drive & Control Company, Bosch Rexroth develops, produces and sells components and systems in more than 80 countries. In 2006 Bosch Rexroth AG, part of the Bosch Group, achieved sales of approximately 4.9 billion Euro with more than 29,800 employees.*

*For more information please visit: [www.boschrexroth.com](http://www.boschrexroth.com)*