

Press Release

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Rexroth IndraDrive Mi: the 70/85 Principle



Potential savings all along the line: IndraDrive Mi helps to clear up the switch cabinet

Up to 20 ultra-compact servo drives Rexroth IndraDrive Mi can be connected in series with a hybrid cable. This reduces the cabling volume by up to 85 percent and the control cabinet volume by up to 70 percent. Just one year after it was introduced, Rexroth has now started serial production of the intelligent motor-controller combination, thus significantly adding to the potential of machine decentralization and modularization.

As early as in the introductory phase, more than twenty well-known machine builders from various industries decided in favor of this innovative drive concept, which covers the whole range from packaging to wood processing machines. Rexroth expects four-digit piece numbers and further applications for the serial production of this servo drive that was started in 2007.

The hybrid connection cable, which reaches 100 meters in total length, combines high-capacity supply and real-time control communication through SERCOS interface. Without having to modify the control cabinet and without any

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additional hardware, the user can connect up to 20 servo drives in series, thus being able to flexibly scale machine functions. The integrated motor-controller combination, which is available in four frame sizes, provides the full functionality range of the intelligent IndraDrive family.

Having developed the first maintenance-free servo motor in the seventies, the manufacturer now implements a completely novel construction principle by presenting IndraDrive Mi. The circumferential (long) surface of the motor is used as a heat sink for the control electronics which is mounted to the motor in an ultra-flat design, thus forming a cross-section which is just a little larger than a standard servo motor. This reduces the overall drive/motor volume by up to thirty percent, as compared with other integrated solutions where the electronics are situated behind the motor. As a result, up to 70 percent of space can be saved in the control cabinet.

Bosch Rexroth AG at the Hanover Fair: Hall 23, Booth A20

Bosch Rexroth AG, part of the Bosch Group, achieved sales of approximately 4.6 billion Euro in 2005 with over 28,200 employees. Under the brand name of Rexroth the company offers all drive and control technologies, from mechanics, hydraulics and pneumatics through to electronics. Over 500,000 customers worldwide utilize Rexroth's unique technological know-how to implement their innovative and future-oriented systems and machine concepts. The global player, represented in over 80 countries, is an extensive supplier of components and systems for industrial and factory automation and mobile applications.

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