

THIS ISSUE:

SPINNER GmbH



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Rotating Solutions:

„SPINNER's no-wear rotary couplings allow interference-free POWERLINK transmission for high-performance automation applications.“

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High performance radio-frequency engineering

SPINNER is a leading manufacturer in the field of radio-frequency engineering. For more than 70 years, the company has been setting new standards in mobile communications, radio communications, rotating solutions, instrumentation and high-energy physics.

**Rotary transmitters for maintenance-free, interference-free transmission of data and power**

In rotating automation applications, demands on data transfer quality are increasing constantly. SPINNER has developed a new technology that meets these demands easily. The wear-free transmitters minimize the cost and downtime caused by maintenance and repairs.

In Ethernet-based bus systems, SPINNER rotary transmitters enable transfer rates of up to 1 Gbps at speeds of up to 3000 rpm, regardless of direction. POWERLINK communication is possible with the full rate of 100 Mbps. The bit error rate is less than 10^{-12} . Transfer errors due to micro-interruptions and increased cycle times due to faulty data packets like those that can occur in slip-ring systems are a thing of the past.

The rotary transmitters are available in models for power or data transmission only or for both power and data transmission. With a 24 V connection, 300 W can be transmitted contact free. The output voltage is regulated and short circuit protected.

The transmitters have a hollow shaft with a diameter of up to 360 mm. The interior of the hollow shaft remains open and can be fully utilized by the customer. SPINNER data transmitters are also available in a Gigabit Ethernet model with automatic configuration of the rotary coupling.

SPINNER will be presenting its rotary couplings in a live demo at the EPSG booth (Hall 9, Booth F25) at the Hannover Messe trade show.