

MACHINE TOOLS

ROTARY UNIONS
SLIP RINGS
COMBINED SYSTEMS

FOR MACHINE TOOLS, DRIVEN TOOLS,
CLAMPING SYSTEMS AND TRANSFER LINES



MOOG

ROTARY UNIONS



ROTODISK S

EXTREMELY LONG SERVICE LIFE

ROTODISK S unions are fitted with extremely wear-resistant hydrostatically relieved silicon carbide mechanical seals to ensure low frictional torque and minimal wear, accordingly. An automatic self-alignment system ensures that the axial face seals always have full surface contact – even when subject to high pressures and high speeds at the same time.



ROTODISK SW

EASY INSTALLATION EVEN IN CONFINED SPACES

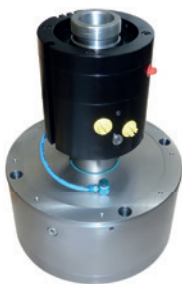
ROTODISK SW with axial mechanical seal has been specifically designed for radial coolant supply to milling heads. Realized in an extremely compact cartridge design, the radial single-channel rotary union will fit even into the tightest spaces.



ROTODISK SW Multichannel

SUITABLE FOR ANY MEDIA

ROTODISK SW units are available in individually adjusted variants. For example as complete rotary unions for multi-channel applications and different media. Air, oil and emulsion can be transferred simultaneously.

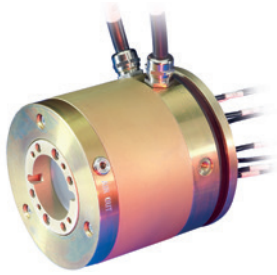


ROTOSTAT E

FOR HIGH PRESSURES AND SPEEDS

The tried-and-tested ROTOSTAT E sealing system uses a hydrostatically controlled radial gap seal, ensuring reliable operation even under the most demanding operating conditions. The contactless sealing system has very low friction, reducing wear to the minimum. Cost savings are considerable.

SLIP RINGS



ROTOFLUX

LOW MAINTENANCE AND ULTIMATE DURABILITY

The combination of gold spring wire and gold-plated slip tracks provides an unsurpassed service life with very low maintenance requirements – at a consistently high signal quality. Robust stainless-steel or aluminum housings ensure operation even under extreme conditions.



ROTOCAP

RELIABLE TRANSMISSION FOR ETHERNET

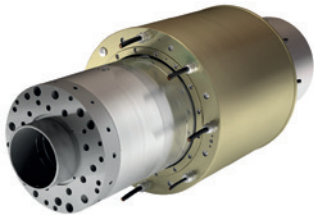
The contactless capacitive transmission technology of the ROTOCAP series currently provides the most reliable data transmission for 100 Mbit/s (100 BASE-TX) – in real-time and continuous operation. Transmission protocols such as Fast Ethernet and Profinet can be used.



APPLICATIONS

- Coolant through spindles
- Coolant supply for powered tool heads
- Hydraulic chuck actuation
- Media supply for rotating tables
- Media supply for swivelling spindle axes
- Part handling systems
- Part feeding devices
- Main spindle drives on 5-axis machine tools
- Spindle drums
- Revolving spindle heads

COMBINED SYSTEMS



ROKOKOMBI

CUSTOMER-SPECIFIC COMPLETE SYSTEM FROM A SINGLE SOURCE

The ROTOKOMBI system allows all rotary union and slip ring types to be combined. The result is a complete rotary transmission system from a single source, with perfectly matched interfaces.



ROKOKOMBI

OPTIMALLY MATCHED WITH FLEXIBLE EXTENSION OPTIONS

ROKOKOMBI systems ensure that an optimally adapted sealing system is available for any medium. For any type of electrical transmission a corresponding system is selected to ensure adequate reliability. Thanks to the modular design, individual components can be replaced, retrofitted or upgraded as necessary.



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