

AUTOMATION

ROTARY UNIONS
SLIP RINGS
COMBINED SYSTEMS

FOR THE FLEXIBLE PRODUCTION WITH
ROBOTS AND ROTARY TABLES



MOOG

COMBINED SYSTEMS



ROKOKOMBI ESR 70/08 + M35L2-1
Slip ring + media rotary union



ULTRALIGHT SYSTEMS

The ultra-light combinations of Moog GAT slip rings and rotary unions were specially developed for collaborating robots. They can absorb the resulting forces and torques, but at the same time they convince with a low weight.



ROKOKOMBI M45L8 + ESR 160/12-QC
Media rotary union + slip ring



HIGH LOADS

The specially developed combined systems, consisting of Moog GAT slip rings and rotary unions, are designed for the transmission of high power and torques, while unifying all the positive aspects of a combined system in the smallest possible design.

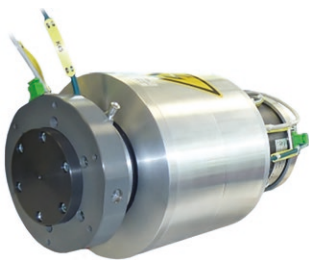


ROKOKOMBI CAP 120-FE1-3 + M55L2
Contactless capacitive data transmission
+ media rotary union



PROCESS-SAFE REAL-TIME DATA TRANSMISSION

The contactless capacitive transmission technology of the ROTOCAP series currently provides the most reliable data transmission for 100 Mbit/s (100 BASE-TX) up to 1 Gbit/s (1000 BASE-TX) in combination with a free center bore.



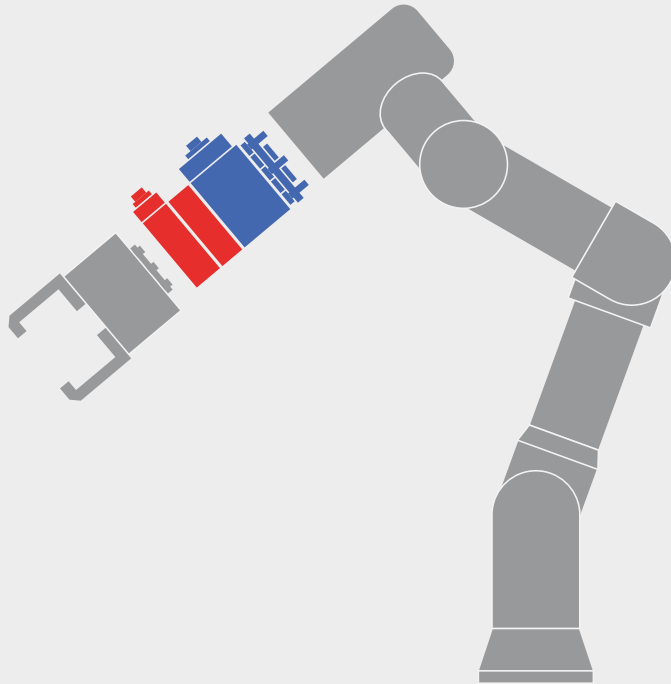
ROKOKOMBI ESR 200/24/23-1 + M50 W2-1
+ FORU-A01-SC/SC21BPT
Slip ring + media rotary union + optical rotary joint



PERFECT TO INTEGRATE

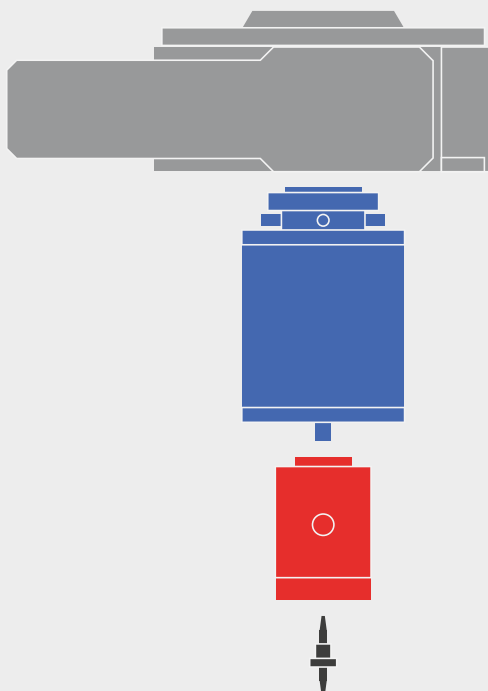
Automated production is characterized by an increasing number of dynamics and complexity. Moog GAT rotary unions and slip rings respond with a very light and compact design. This allows them to be optimally integrated into existing systems and they are convincing with optimal connections, such as pluggable hand-over couplings.

APPLICATION EXAMPLE ROBOT



- **ROTOFLUX & ROTOCAP**
Slip ring & contactless capacitive data transmission
- **ROTOPACK**
Media rotary union

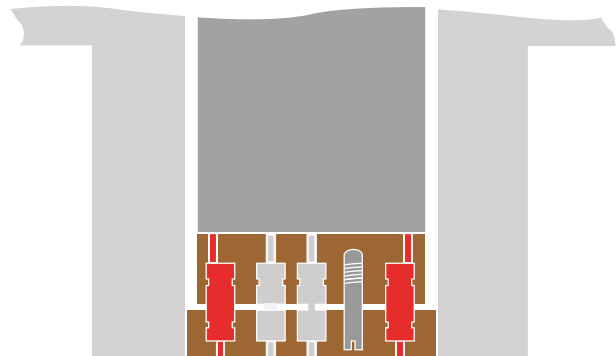
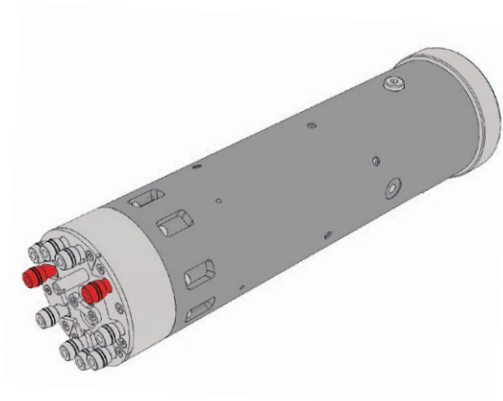
APPLICATION EXAMPLE INDEXING TURNTABLE



- **ROTOFLUX**
Slip ring
- **ROTOPACK**
Media rotary union
- **ROTORAY**
Optical rotary joint

CONNECTION OPTIONS

HAND-OVER COUPLING FOR EASY ASSEMBLY IN INDEXING TURNTABLES



ROTOSTAT M40 EX9

Media rotary union with hand-over coupling



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