

# ROTARY UNIONS SLIP RINGS COMBINED SYSTEMS

for the flexible production with robots  
and rotary tables

Setting ideas in motion.



**GAT**<sup>®</sup>  
Gesellschaft für  
Antriebstechnik mbH

# COMBINED SYSTEMS



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

## Ultralight systems

The ultra-light combinations of 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 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.

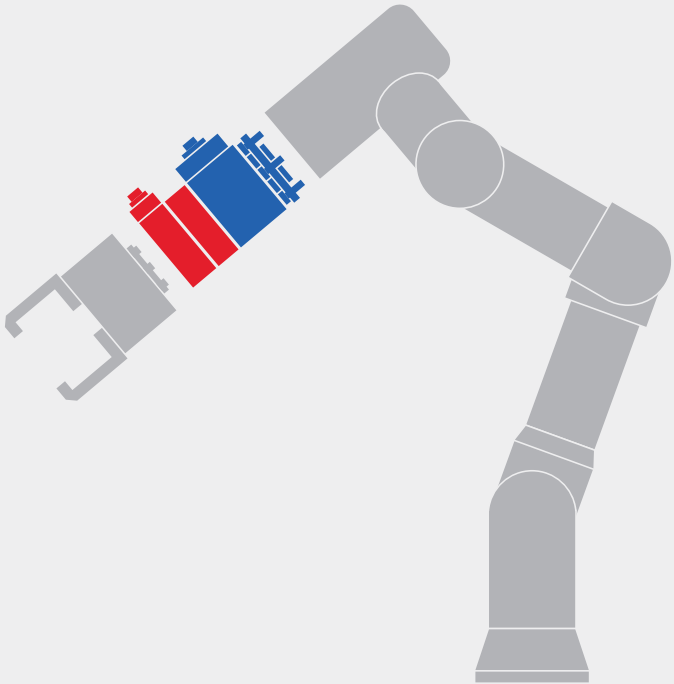


**ROKOKOMBI ESR 200/24/23-1 + M50 W2-1  
+ FORU-A01-SC/SC21BPT**  
Slip ring + media rotary union + optical rotary joint

## Perfect to integrate

Automated production is characterized by an increasing number of dynamics and complexity. 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.

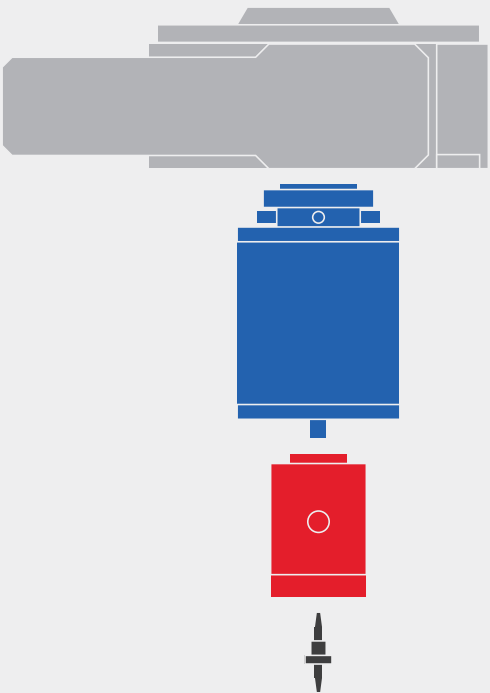
# Application example robot



**ROTOFLUX & ROTOCAP**  
Slip ring & contactless  
capacitive data transmission

**ROTOPACK**  
Media rotary union

# Application example indexing turntable



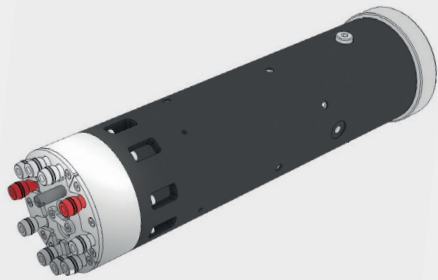
**ROTOFLUX**  
Slip ring

**ROTOPACK**  
Media rotary union

**ROTORAY**  
Optical rotary joint

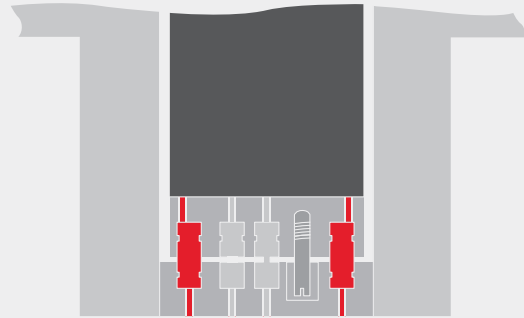
# CONNECTION OPTIONS

Hand-over coupling for easy assembly in indexing turntables



**ROTOSTAT M40 EX9**

Media rotary union with hand-over coupling



Do you have any questions?

Please contact our team of qualified engineers and product specialists. We are looking forward to developing solutions together with you that will meet all current and future requirements.



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