



# ROTARY SOLUTIONS FOR AUTOMATION 4.0

CONTINUOUSLY ROTATING AXES –  
DIAGNOSIS-CAPABLE AND RELIABLE





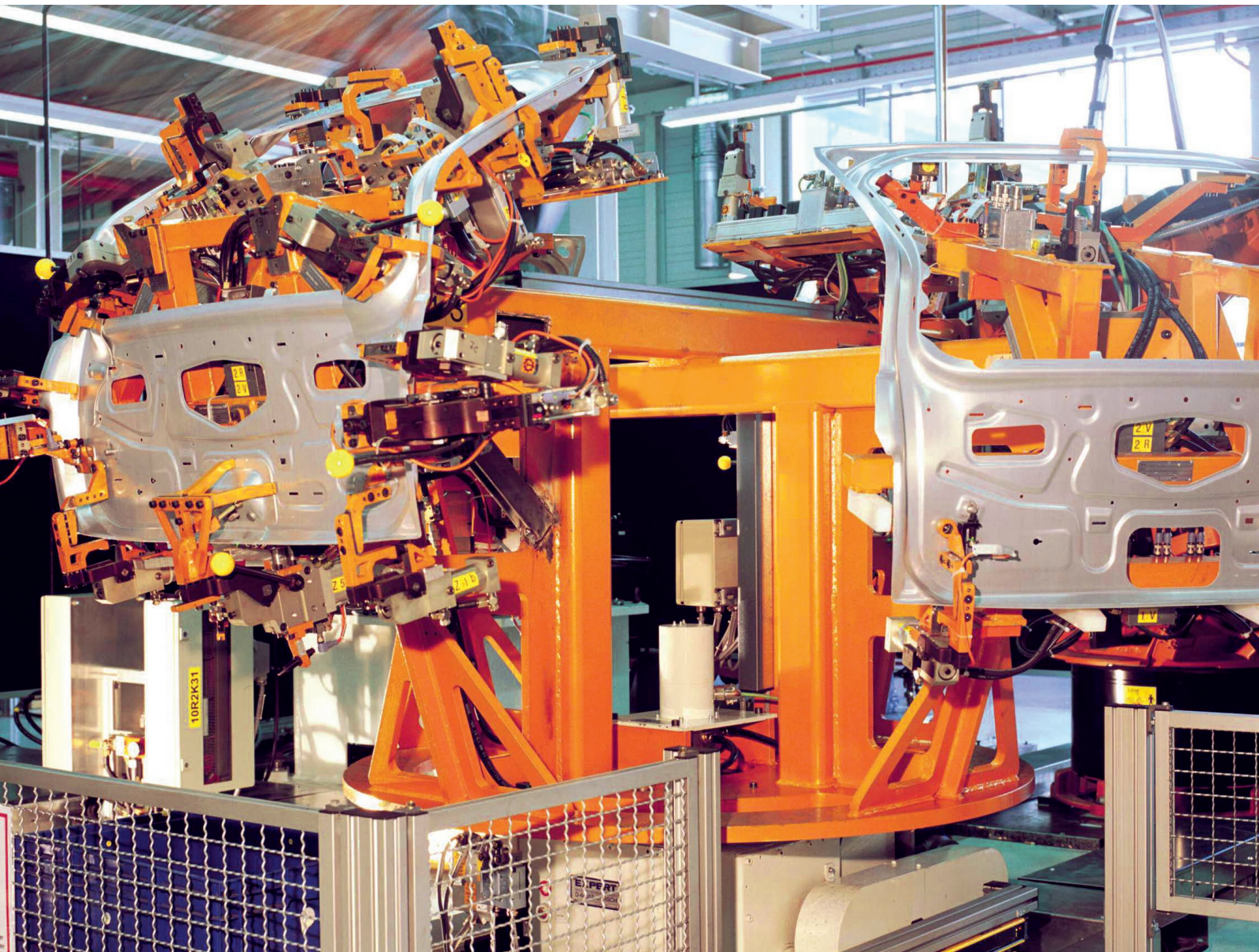
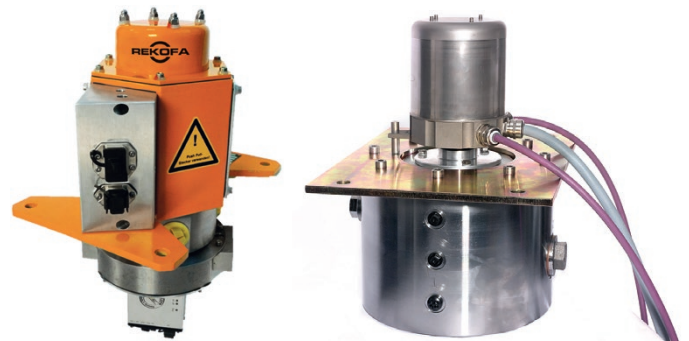
## INDUSTRY 4.0 – AUTOMATION DIAGNOSIS-CAPABLE SLIP RING TRANSMITTERS

In many automation applications, primarily for **rotary tables, positioners and robots**, energy chains restrict movement and incur unnecessary maintenance costs.

Moog Rekofa slip rings enable significantly more efficient axle rotation. For example, when mounted on a rotary welding table, this can then rotate continuously in a single direction. On a 3-station table, this translates into a 33% daily saving in the table's movement time.

With the same connection specifications and ALDA-compliant plugs across-the-board, we are a market leader, providing products such as our Profinet

F 5812 series to more than 40 international automotive manufacturers. Since the start of production in 1965, our customers have always appreciated the reliability and high quality of our innovative Made in Germany products.





## TECHNICAL SPECIFICATIONS

- **Data transmission (e.g. Profinet/EthernetIP)**  
via optical fibre (contactless) up to 1 Gbit/s  
via slip rings, finished surfaces  
incl. converter/repeater/switch  
PushPull SCRJ or RJ45 connector
- **Power supply**  
Safe via the slip rings
  - Standard 500V, 20 A
  - Standard 24V, 10 A
  - Up to 2000V, 1000 A
- **Media**  
Air, water, oil, gas, cleaner/primer  
Automotive standard
  - 1-channel air G1"
  - 2-channel air G1/2"
 Total of up to 12 channels and G6"
- **Numerous OEM-approved standards**  
Bespoke solutions also available
- **Light yet stable**



## ADVANTAGES

- Endlessly rotating axes
- Combined power, data and media
- Increased productivity  
thanks to shortened cycles
- Reduced maintenance costs
- Diagnostics-capable in customer systems  
and LED on the product
- Protected up to IP67
- For line and ring topologies
- Improved visibility in customer topology

## QUALITY

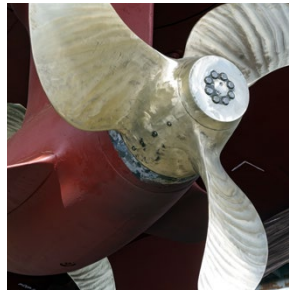
- EMC-tested
- Profinet-certified
- All our products are checked under  
**continuous rotation before delivery for**
  - Data transmission quality
  - System reserves (fibre optics-POF)
  - Continuity and contact resistance
  - Media pressure
- **Sliding track lifespan >10 million rotations  
and/or up to 8 years in rotary table/  
positioning applications**  
Total of up to 250 million rotations
- **Low-maintenance/maintenance-free**



# APPLICATIONS FOR MOOG REKOFA ROTARY SOLUTIONS



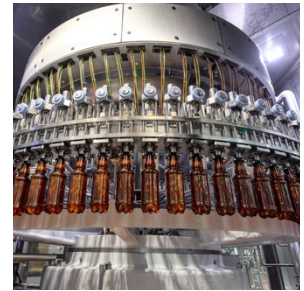
CONSTRUCTION



MARINE & OFFSHORE



WIND ENERGY



INDUSTRIAL MANUFACTURING



AUTOMOTIVE & ROBOTICS



MEDICAL



IRRIGATION



AND MANY MORE

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