

# Applications for REKOFA™ Hybrid Rotary Joints



Automation



Food & Beverage



Construction



Rotating Doors



Wastewater treatment



Printing



Medicine



Radar



POD



Special Applications



Textile



Packaging



Defence



Machine Tools



Wind generator

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Moog Rekofa GmbH – Rotary distributors for Automation 4.0  
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# ROTARY DISTRIBUTORS FOR AUTOMATION 4.0

CONTINUOUSLY ROTATING AXES –  
DIAGNOSIS-CAPABLE AND RELIABLE





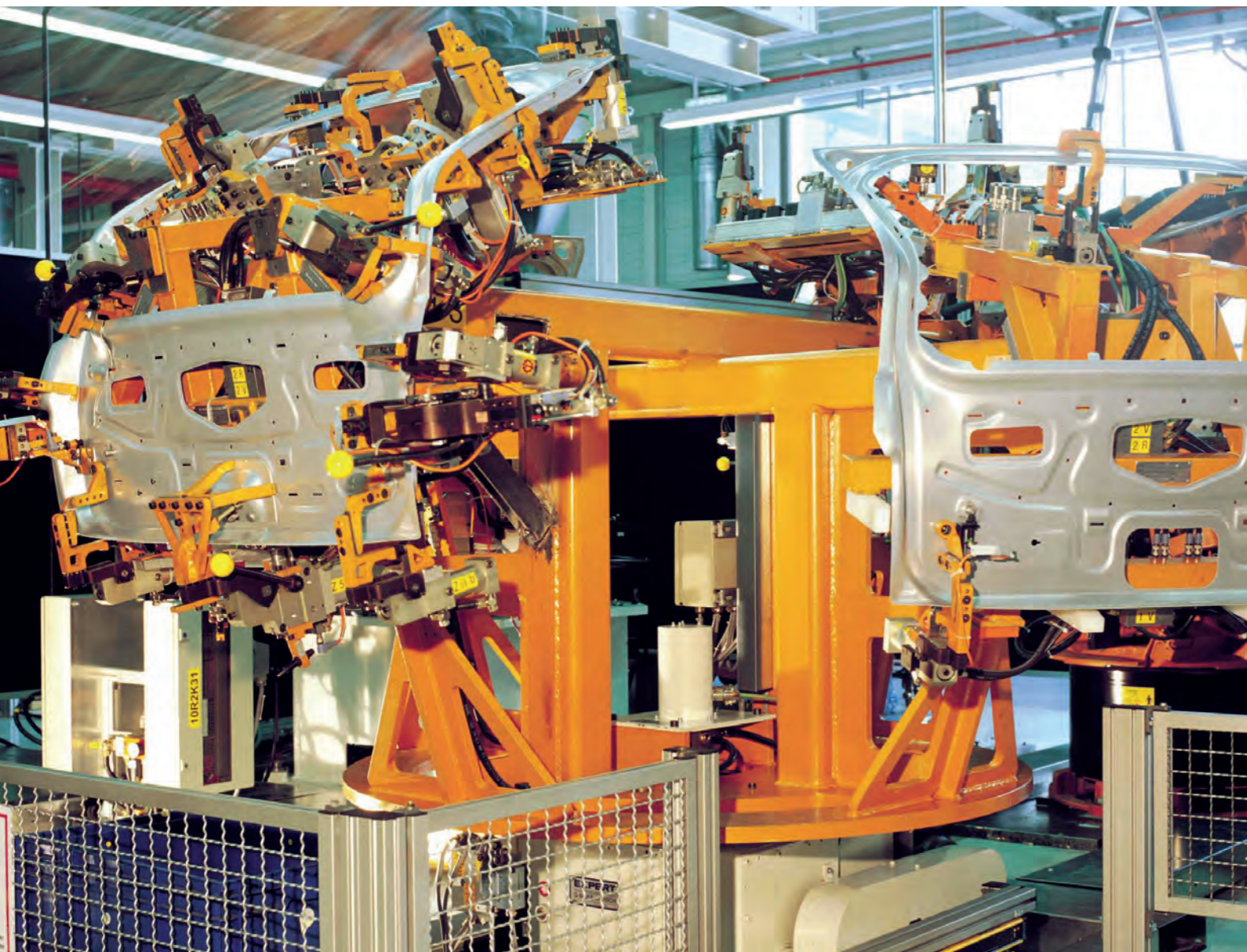
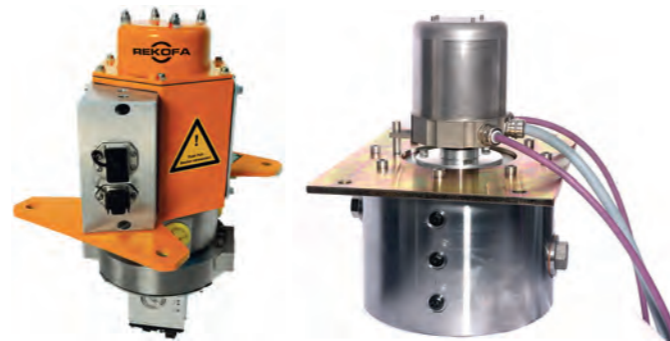
## INDUSTRY 4.0 – AUTOMATION DIAGNOSIS-CAPABLE SLIP RING TRANSMITTERS

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

Rekofa-brand slip ring transmitters 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 AI-DA-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
- **NEW:** For line and now also ring topologies!
- **NEW:** Improved visibility in customer topology!

## QUALITY

- EMC-tested
- Profinet-certified
- All rotary distributors 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

