









Optical

Magnetic

Laser



















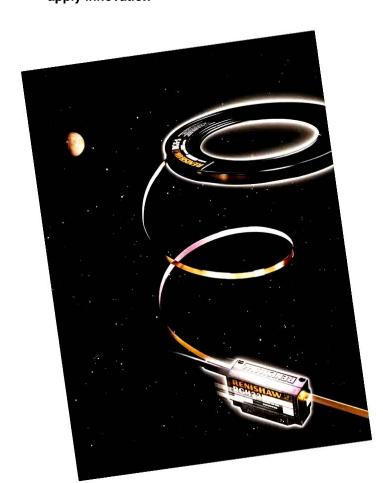






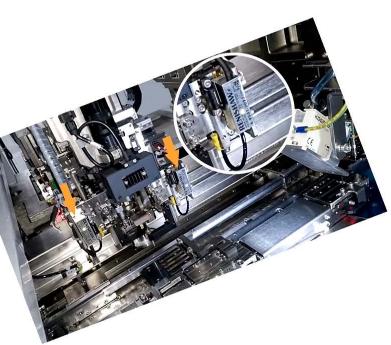


































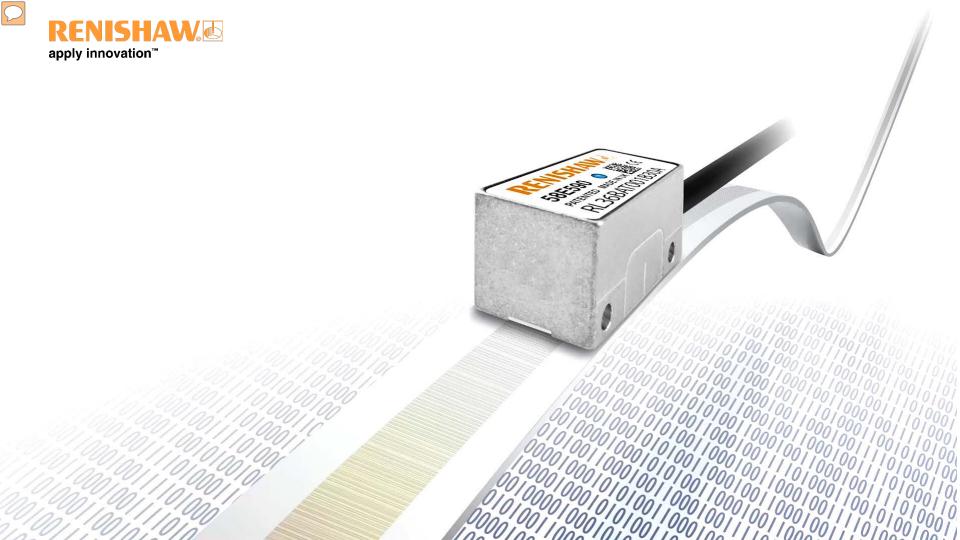










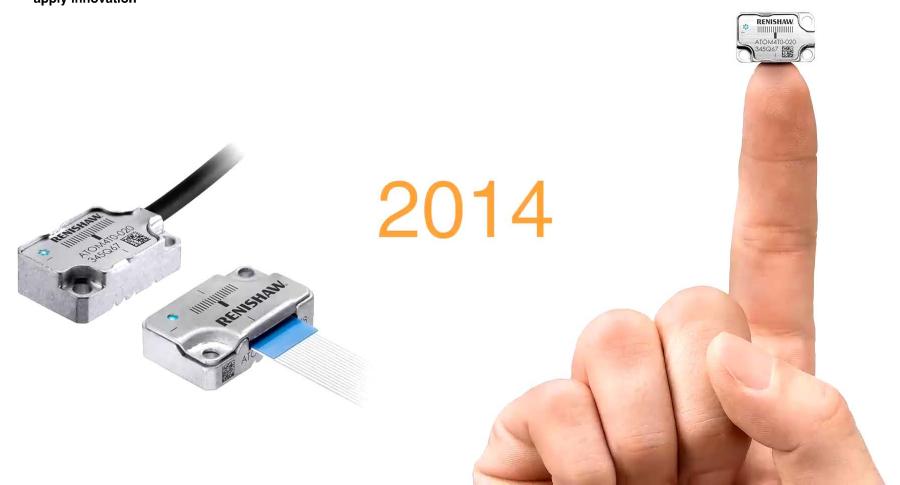






RENISHAW. apply innovation™ THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION



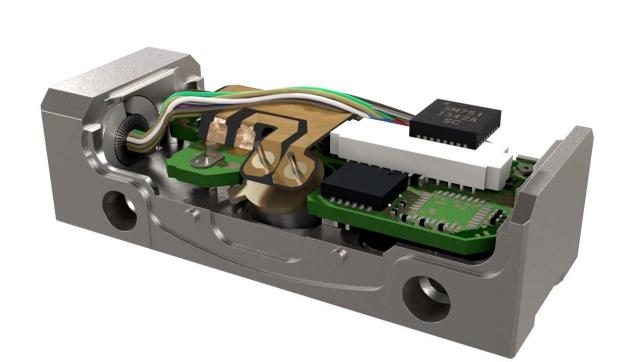






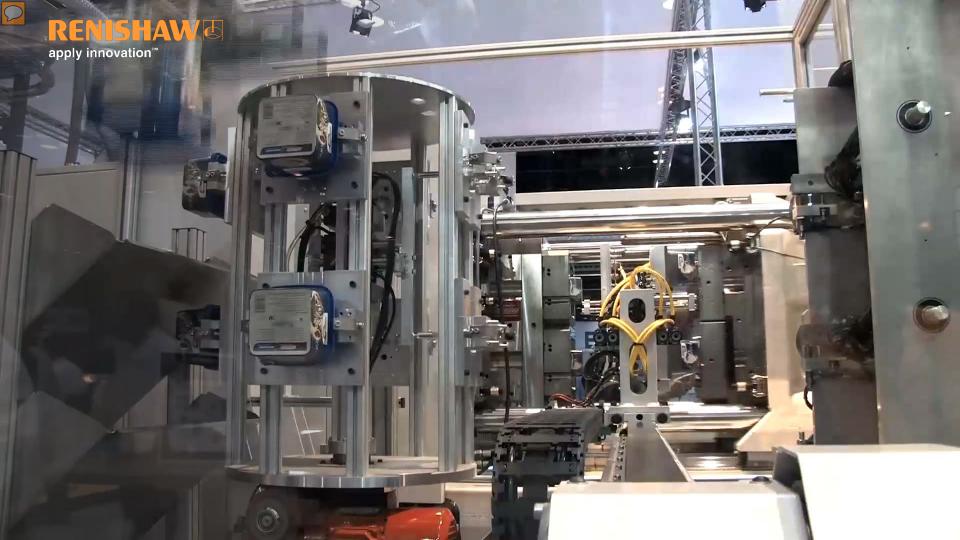


















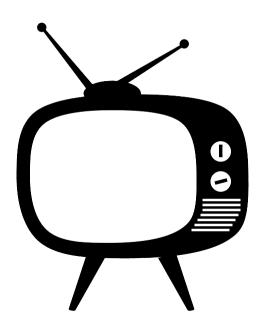


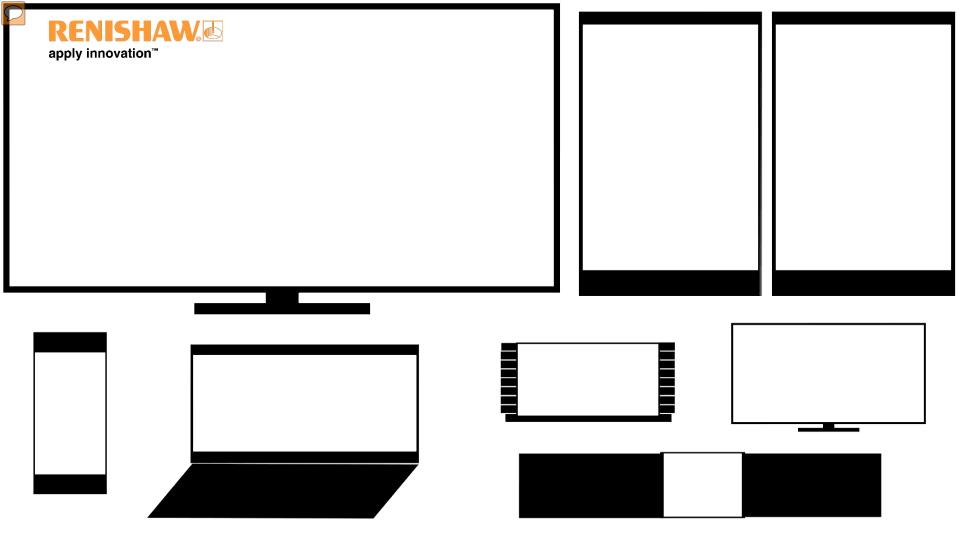






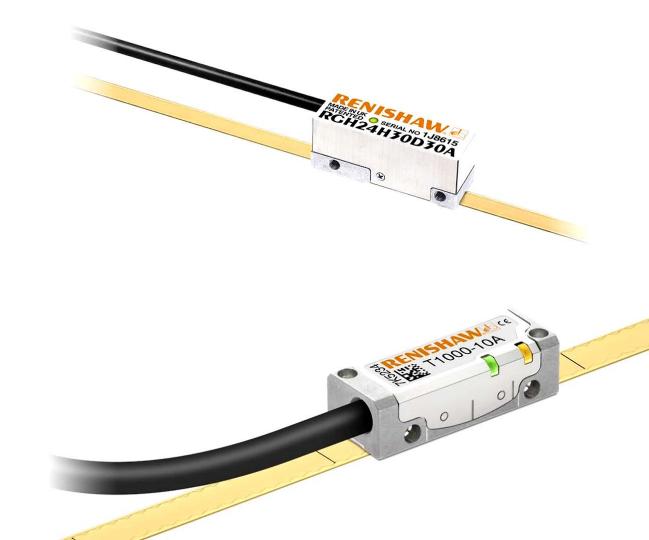
apply innovation™





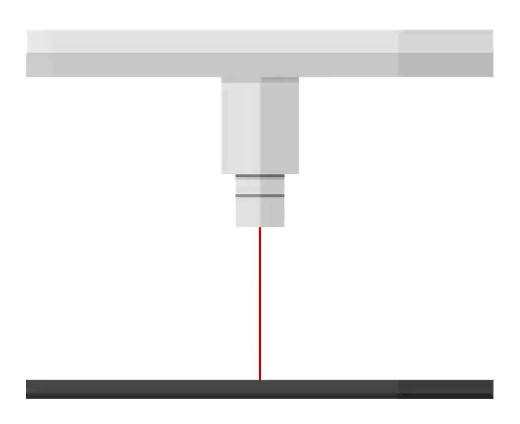




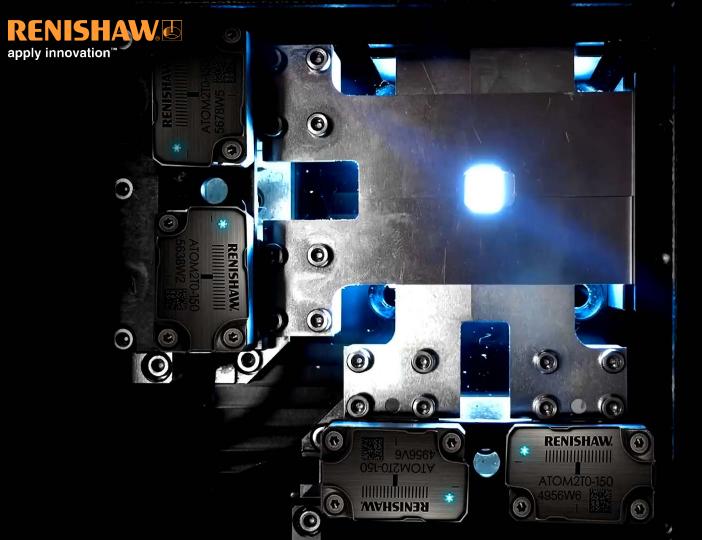




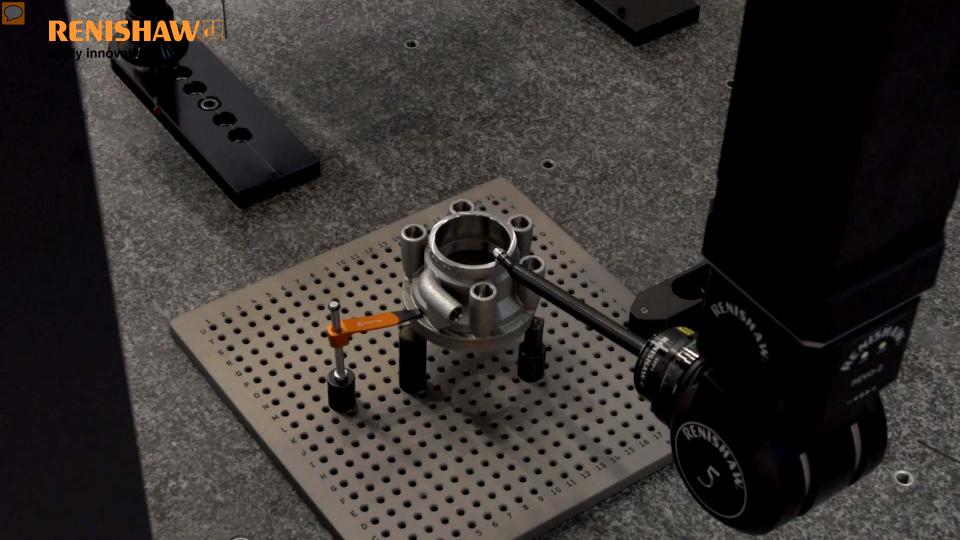
RENISHAW. apply innovation™

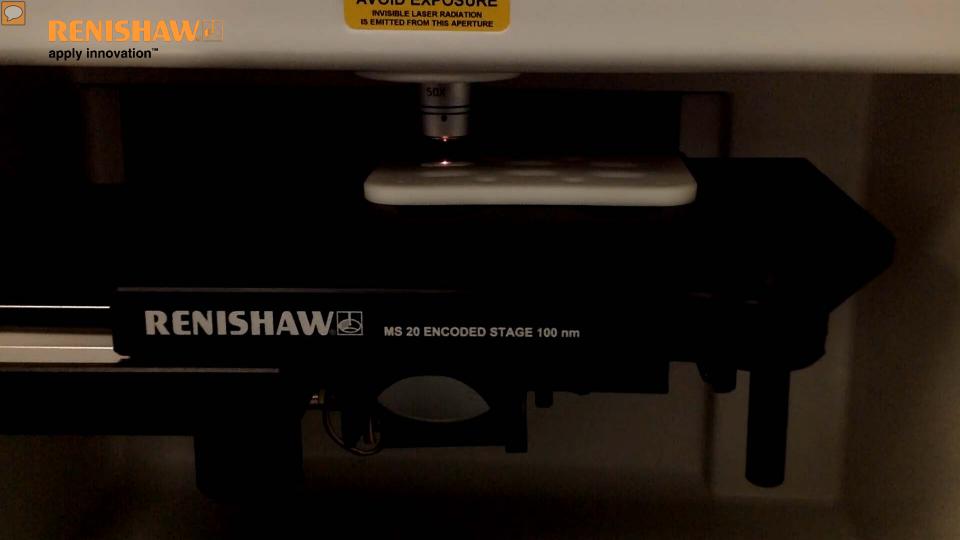


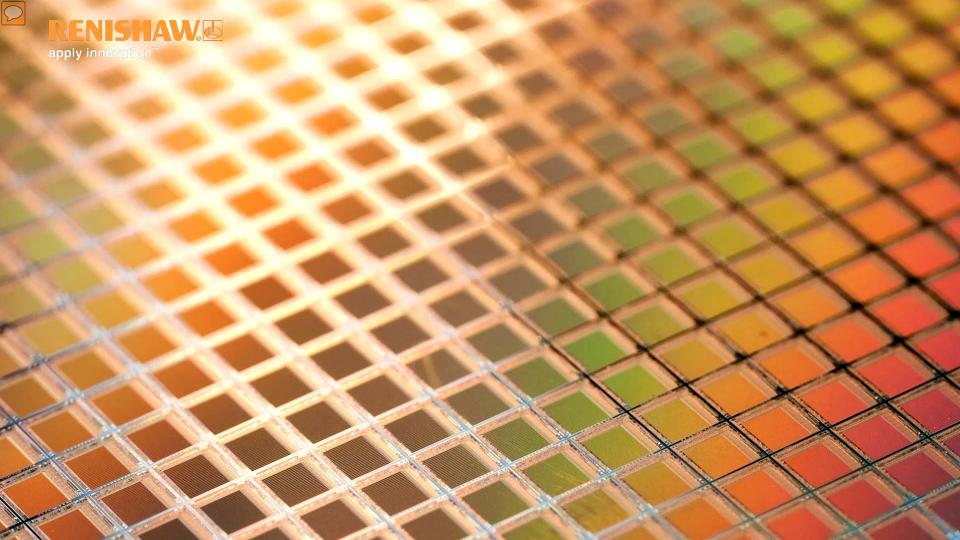


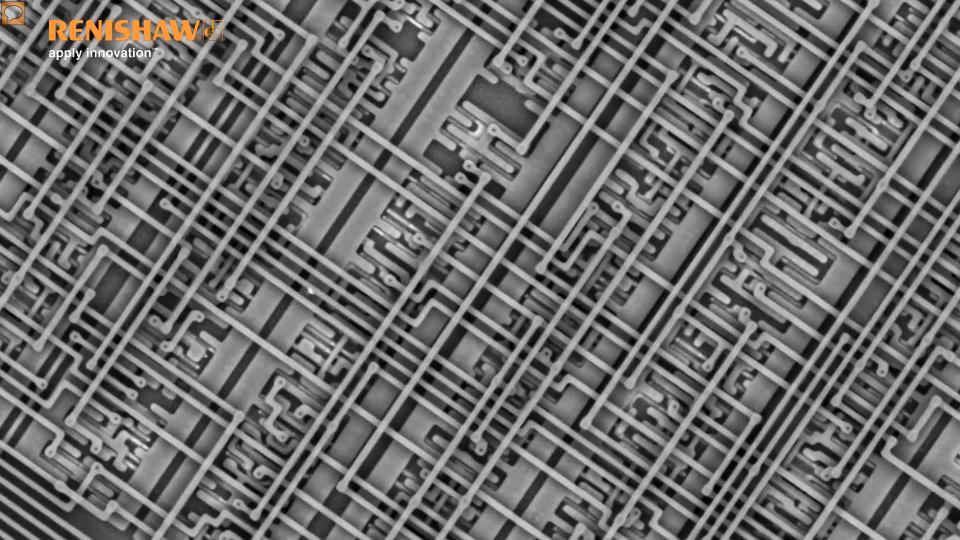














RENISHAW. apply innovation™





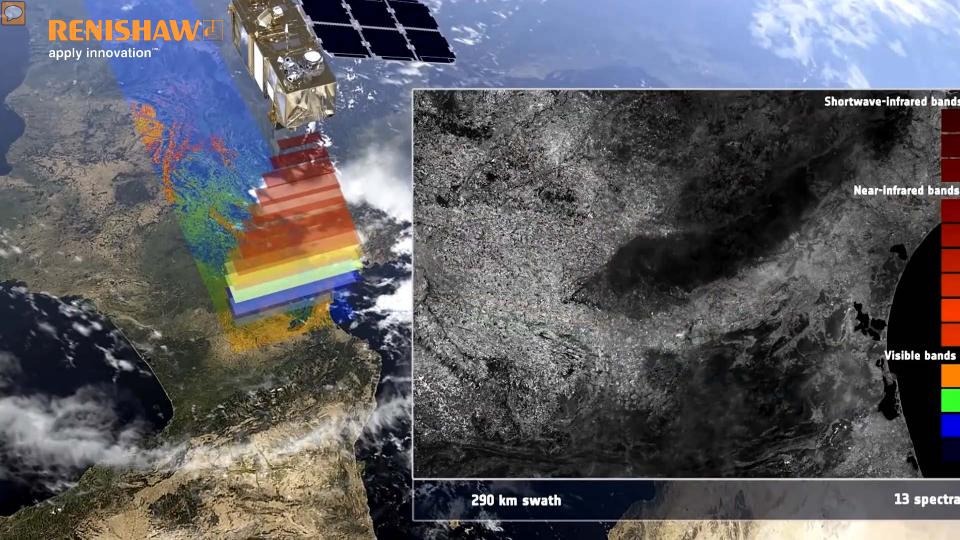






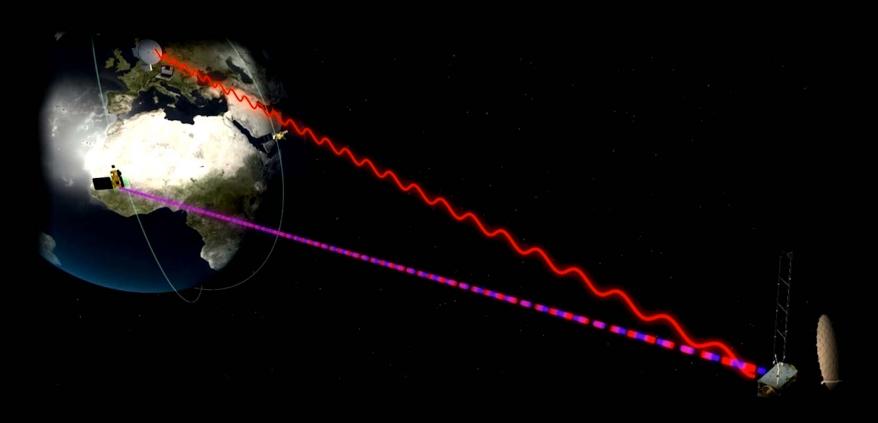








RENISHAW. apply innovation™











About

Mission - To develop, manufacture and supply advanced motion sensing components.

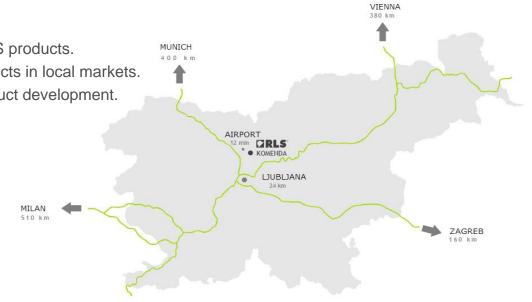
Vision - To become a recognised world leader for the supply of motion sensing components.

Relationship between RLS and Renishaw

- Renishaw offers worldwide support for RLS products.
- RLS distributes Renishaw metrology products in local markets.
- RLS and Renishaw cooperate in new product development.

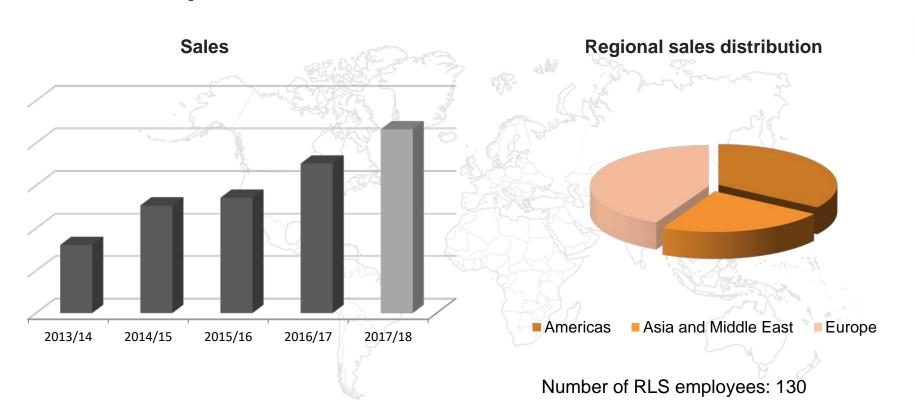
RLS shareholders since 2001:

- Janez Novak (50 %)
- Renishaw plc (50 %)





Business Update





Building expansion plans

Construction set to begin in September 2017 and end by January 2019









Product range







InAxisTM



Product Applications





Transport

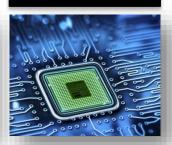
Machine tool



Motors



Semiconductor



Heavy-duty vehicles



Printing



Industry



Energy harvesting



Robotics





Example: AksIM for collaborative robots

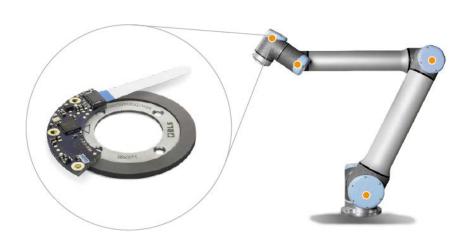
Customer: Universal Robots, the global market leader in the field of collaborative robots.

Application: Measuring arm rotation in a robotic joint of a collaborative robot (cobot).

A cobot is a robot intended to physically interact with humans in a shared workspace without the need of any protective guards. Due to short payback period (195 days for UR), safety features and ease of use, collaborative robotics is expected to drive the automation market in the following years.

Benefits of using AksIM:

- High resolution absolute encoder
- Low profile, low weight
- Robustness:
 - Non-contact design (no bearings)
 - Immunity to dirt, dust and liquids
 - High shock and vibration resistance
- Competitive price
- Through hole design





Example: RM08 for robot grippers

Customer: On Robot

Application: Robot gripper joint

Robot gripper is mounted at the end of the robot arm and provides hand-like capabilities such as handling various items.

Benefits of using RM08:

- Extremely small size (8 mm diameter)
- High resolution 4096 detectable positions over 360°
- Robustness:
 - Non-contact design (no bearings)
 - Immunity to dirt, dust and liquids
 - High shock and vibration resistance





Thank you for your contribution to our mutual success

- 2011 Best employer in Slovenia award
- 2013 Slovenian Chamber of Commerce and Industry award for extraordinary economic and entrepreneurial achievements
- 2014 Best employer in Slovenia award
- 2015 Manager's challenge award Gazela award for fastest growing company in Slovenia
- 2016 Gazela award for fastest growing company in SloveniaAward for best exporter in SloveniaBest employer in Slovenia award



