

Image Source: Rotoclear GmbH



LTN SLIP RINGS FOR CAMERA SOLUTIONS IN MACHINE TOOLS
GIGABIT ETHERNET IN EXTREMELY HARSH CONDITIONS

SLIP RINGS FOR CAMERA SOLUTIONS IN MACHINE TOOLS

Data transmitted through LTN slip rings have a low bit error rate (BER) - ideal for connecting high performance cameras over a long distance (up to 20 m).

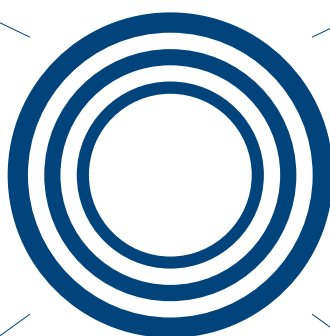
LTN implements customer-specific requirements into solutions in the best way possible.

Up to 4K at 60 frames per second, always with a clear view through a proven rotating window and a 360° camera perspective, thanks to LTN slip ring technology.

As an industry expert and experienced manufacturer of slip rings, we offer highly professional project handling and efficient implementation.

Certified Gigabit Ethernet (up to 1000-BaseT CAT5e) for transmission in real time via M12 connectors for slip rings with free inner diameters of approx. 100 mm.

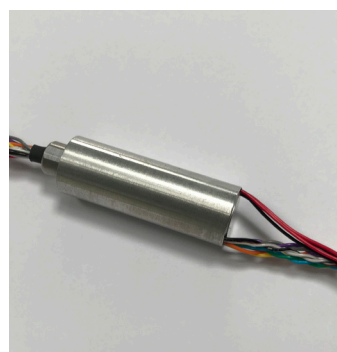
LTN Servotechnik has been providing top quality parts on a daily basis for more than 40 years.



MANUFACTURER OF TAILORED SLIP RING SYSTEMS

The global success of our slip rings is founded on our deep technical understanding of the industry and our familiarity with the highly specialised design, production & assembly processes for rotating transmission systems.

With a free inner diameter of approx. 100 mm, LTN slip rings in the SC012 to SC2X0 series are ideal for meeting the requirements of the latest camera technology in machine tools.



SC012 (design example)



SC2X0 (design example)

FACTS SC012 SERIES

- Outer diameter: e.g. 12 mm
- Up to 10 Gigabit Ethernet
- 48 V_{DC} / 1 A power per ring
- Design life of up to 100 M revolutions
- Rotation speed: max. 250 rpm
- Operating temperature: -20 °C ... +80 °C

FACTS SC2X0 SERIES

- Inner diameter: up to 100 mm
- Gigabit Ethernet
- 690 V_{AC} / 300 A power per ring
- Protection class: IP65
- Operating temperature: -30 °C ... +70 °C

ACCESSORIES ON REQUEST

- ADSR® - Slip ring diagnostic system
- Resolver
- Encoder
- FORJ - Fibre Optical Rotary Joint
- Media rotary joint

Subject to change without prior notice. Issued 04/2020

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