CT SCANNER
SLIP RINGS

FOR MEDICAL CT SCANNERS, SECURITY INSPECTION SYSTEMS AND CT BASED INDUSTRIAL APPLICATIONS
Our ROTOCT slip ring has been engineered to meet the specific requirements of CT scanners. It meets the highest demands in terms of accuracy and reliable transmission of power, signals and high-volume data. All components are carefully selected and combined to meet our customer’s needs.

**FEATURES**

- Customer specific solution
- Inner bore diameters up to 1.30 m (51 inches)
- Rotational speeds up to 300 rpm
- Innovative material composition
- Design according to: RoHS / REACH / UL 94-V0 / IEC 60601 / CISPR 11

**Eye diagram of 5 Gbit/s transmission**

**Development history**
POWER AND SIGNAL TRANSMISSION

The power and signal tracks are made of stainless steel, while a special-purpose metal/carbon compound is used for the brushes. This ensures a long service life and a high resistance to air pollution. Replacing brushes is quick and easy. A wear indicator at the tip shows when replacement is due.

FEATURES

- Voltages up to 1000 V
- Currents up to 300 A
- Signals (CAN, RS422, etc.)
- Extended maintenance cycles

DATA TRANSMISSION

With the ever-increasing functionality of CT technology, the volume of data to be transmitted with ultimate accuracy and reliability increases steadily. Our solution is a contactless, capacitive data transmission system. As an additional benefit, our systems are wear-free, eliminating any maintenance requirements.

FEATURES

- Data rate per channel up to 5.0 Gbit/s
- Uni-directional data transmission
- Bit error rate (BER) \( \times 10^{-12} \)
- EMI / ESD immunity according to: EN 60601-1-2:2015 (Ed. 4.0)
- Electrical or optical interface

OPTIONAL

ENCODER SYSTEM

- Installed encoder band
- Electronics

ASSEMBLY TOOLS

- Alignment tool
- Spacer

MAINTENANCE SET

- Brushes for replacement
- Hand grinder
- Cleaning brush
THE COMPANY

Moog GAT GmbH with headquarters in Geisenheim, Germany, is a leading international technology company.

Since 1978 Moog GAT has been developing and producing tailored products for the most diverse industry applications in the fluid and sealing technology sectors as well as electrotechnical transmission technology.

Moog GAT is a technology leader in the production of electrical slip rings, rotary unions, precision air bearings, as well as test rig equipment.

Our team of highly qualified engineers and product specialists offers competent expert advice by meeting the requirements of our customers and, choosing from our wide range of products, to deliver a standard or custom-made solution.

We design, produce and distribute high-tech precision products used in machine and plant engineering as well as energy generation worldwide.

The product specialists in our worldwide sales offices ensure that customers receive competent technical advice and that economic considerations are taken into account. All this contributes to the success of our customers.