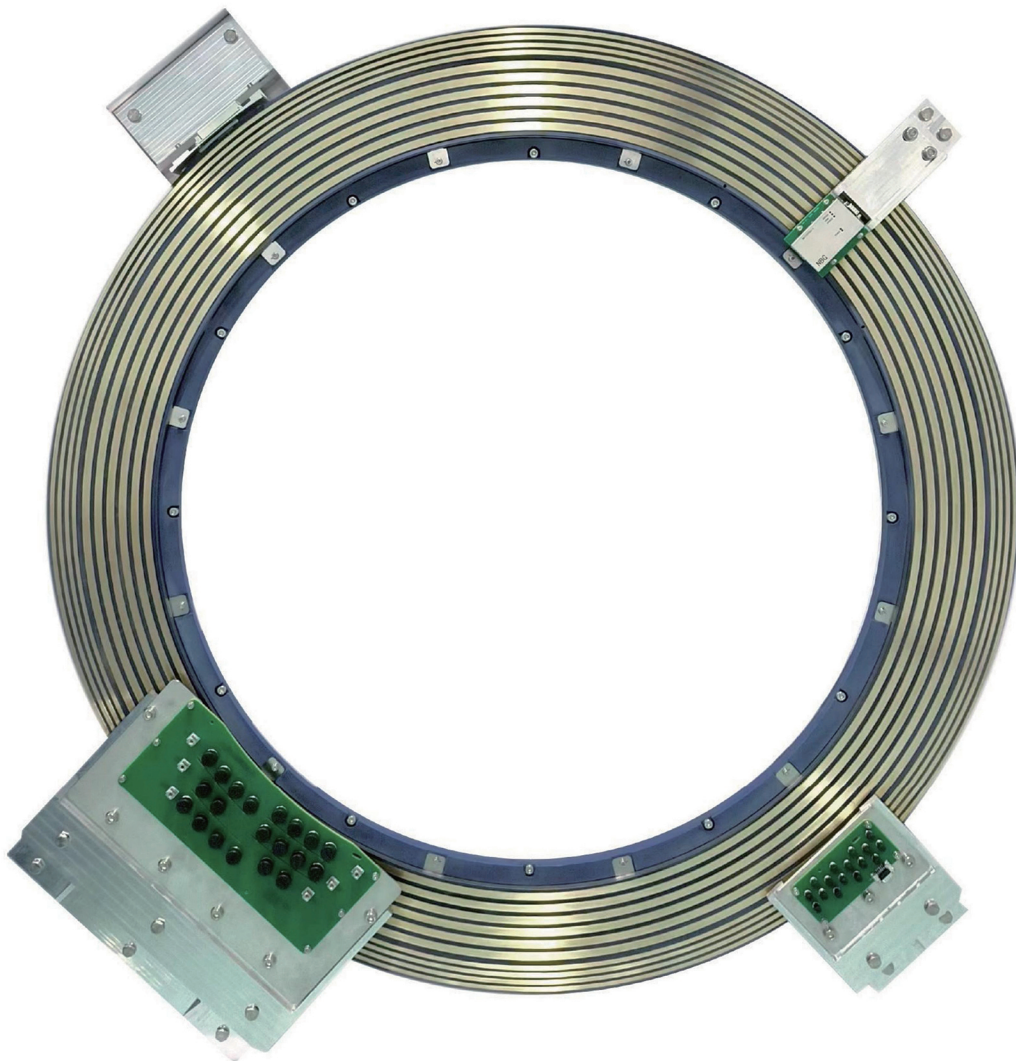
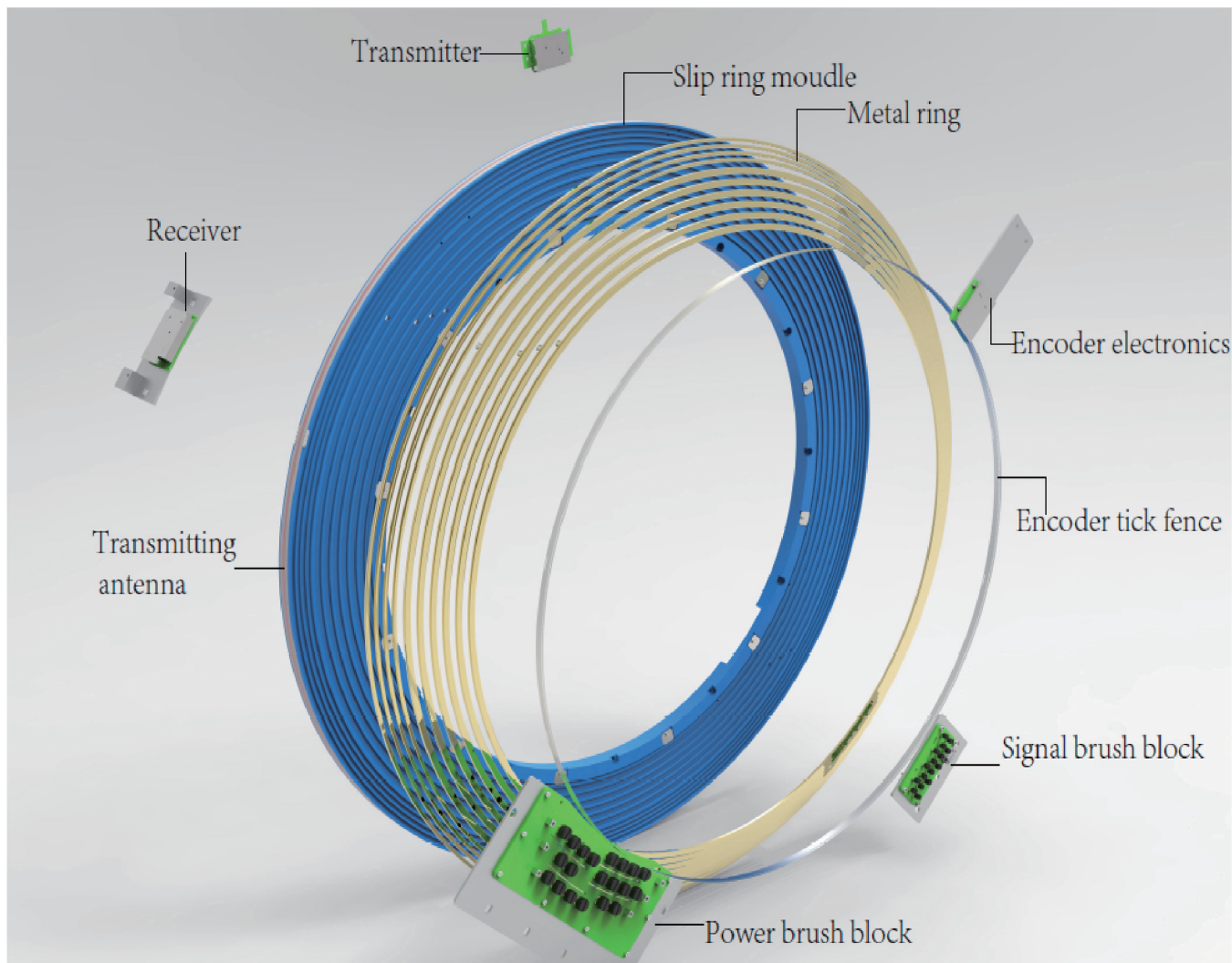




Qualified by ISO13485

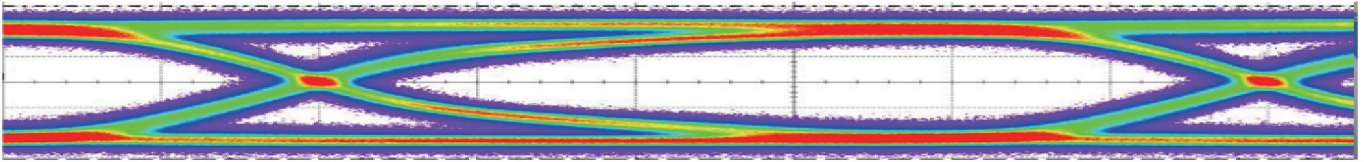
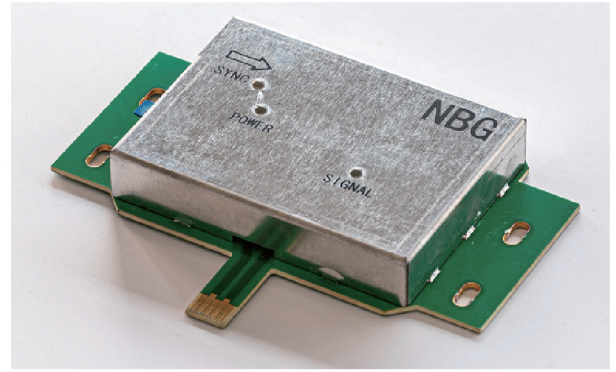
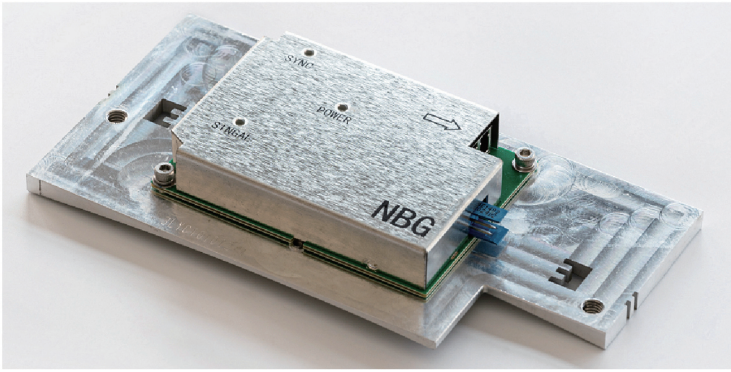
NBG Slip Ring Solutions CT Application





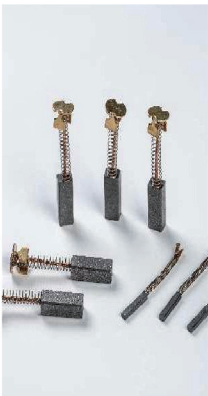
Performance and options

- Contacting signal transmission (CAN, RS422, RS232 or others)
- Rotation Speeds up to 300 rpm
- Contactless data transmission systems from 800 Mbit/s up to 251G
- Integrated encoder systems optional
- Extended brush life time
- Design Life time of 10 years
- Dimensions: diameter up to 1800 mm, bigger size customizable
- Contacting Multiplexing optional (Multi signal transmission with one ring)
- Bidirectional contactless data transmission optional
- Full contactless slip ring optional
- Latency: < 1 μ s
- System coding: compatible with two types (8B/10B and 64B/66B)



Capacitive contactless data transmission

- Contactless data transmission systems from 800 Mbit/s up to 251G
- The bit error rate of contactless signal and data transmission reaches 10^{-12}
- All systems are available with standard 8B10B coding, 64B66B coding optional
- Bidirectional contactless data transmission optional
- Standard connection (RJ45), low latency $< 1 \mu s$
- Single antenna up to 25 GBit/s



Power transmission

Voltage range up to 1200V AC or DC, currents up to 400A, higher current customizable

Control signal transmission

- Data rate range 20-60M bit/s for 2 tracks, bit error rate $< 10^{-9}$
- Contacting Multiplexing Technology (Multi-signal transmission with one channel)

Incremental encoder

- Physical principal: optical slot grating
- Interface: digital quadrature output (tick A, tick B) with index pulse (home)
- Levels: TTL (5V) or HTL (24V)
- Accuracy: typically 0.1°



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E-mail:sales@nbgslipring.com



Website:www.nbgslipring.com