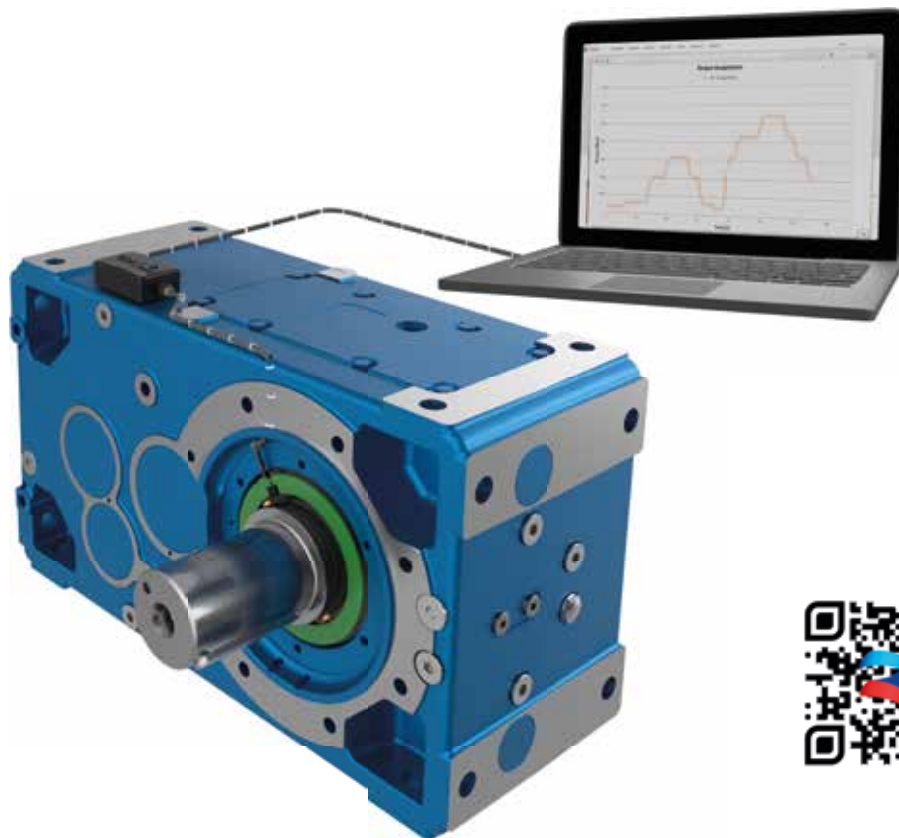


NEW



The new Rossi **TorqueMeter** is an extremely robust and reliable torque measuring system for continuous operation.

No modifications are required to your gearbox, as this new torque meter sensor system is mounted to the existing **low speed shaft using strain gauge**

technology in order to provide **direct and immediate measurements**. This is achieved by measuring the shaft torsion proportional to the torque applied.

The use of a telemetry system enables **contact- and wear-free operation and provides permanent data access**.

Features

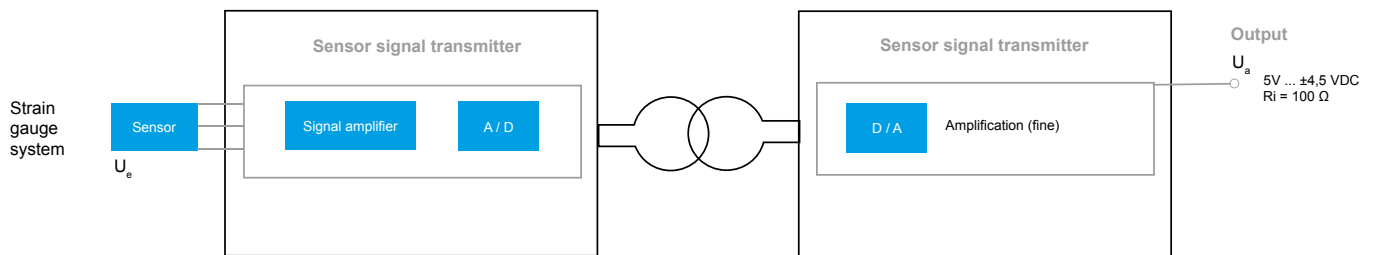
Benefits

Low speed shaft mounted	→	Direct measurement
No torque limitation	→	Operating in heavy duty environments
Continuous 24/7 measurement	→	Designed for industrial applications and long duty cycles
Real time torque signal transmission	→	Permanent data access, condition monitoring
Direct gearbox integration	→	No overall dimensions
Contact- and wear-free torque signal transmission	→	No maintenance, long-lasting
Digital output (CAN optional)	→	No interference

Technical specifications

- Power supply signal processor 9-30VDC
- RF output: 1,4 W
- RF frequency: 6,78 MHz
- Channel sampling: 2 kHz
- No. of channels: 1/2
- Output voltage: 5 V...±4,5 VDC or 4...20 mA
- Low pass filter 500 Hz
- Protection category: IP67 (Evaluation Unit)
- Temperature range: -45 to 70 °C
- Measurement uncertainty max. 2 % (ref. to full scale value)

Basic system structure



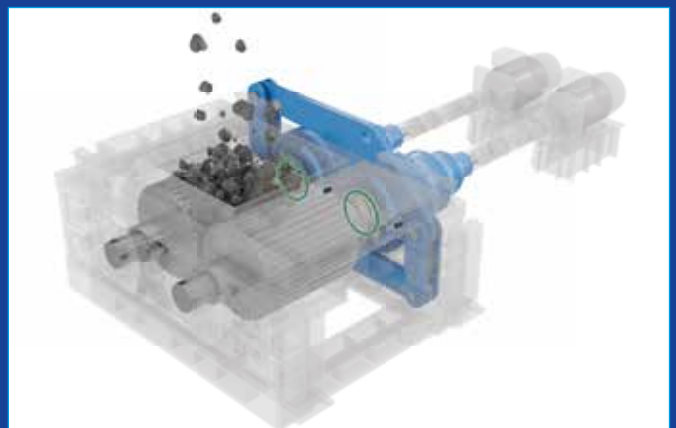
Main applications

- Thickener/Clarifier



Real-time output torque detection for rake lifting and overload control

- Crusher / HPGR



Instantaneous peak torque detection to prevent driveline damages