WITTENSTEIN

torqXis® Sensor

Simultaneous measurement of mechanical parameter in the drive train

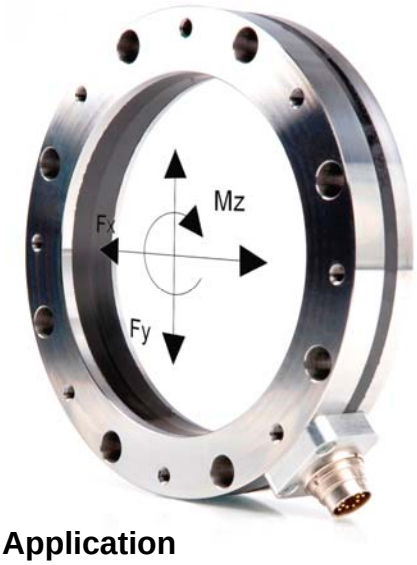
understanding

monitoring

controlling

torqXis® Sensor

Simultaneous measurement of mechanical parameter in the drive train



Specification

- Torque range 50..10000 Nm
- Lateral force range 800..45000 N
- Measuring accuracy better than 2 %
- High sample rate 1 kHz
- Compact design - easy integration

Customers benefit

- Cost savings by the optimal drive conception
- Identify real fitting loads
- Increase machine availability
- Preventive warning system for tool wear
- Demand-oriented maintenance - increased productivity

Application

torqXis® sensors are used for applications where a real fitting load profile in the drive train must be measured, understood and/or controlled. They are used on test stands, by industrial robot manufacturers and in mechanical engineering. torqXis® sensors are an integral component as an development tool for an optimal drive conception, as a guard for important machine parameters or as a control circuit component for dynamic applications. Thanks to the simultaneous measurement of reaction torque and force, the torqXis® sensors are highly innovative and provide deep insight into the drive train.

Overall size

	SFR004	SFR010		SFR025		SFR050		SFR110		SFR300	
Measurement range torque [Nm]	50	100	300	250	800	500	1500	1500	3000	3000	10000
Measurement range lateral force [N]	850	1500	4500	2500	10000	5000	15000	10000	30000	13000	45000

For detailed technical data sheets, please visit www.wittenstein-sensors.com or contact us.
If measurement range is not available - for customer specific sensor solutions please contact us.

Mechatronic sensor concept