

Press Release

For immediate release

TQ to present high-performance RoboDrive solutions for collaborative robotics at RoboDEX 2019

The technology company TQ will showcase its innovative RoboDrive technology at RoboDEX 2019, Japan's premier robot development and application expo. TQ can be found in West Hall 1 at Booth R-71.

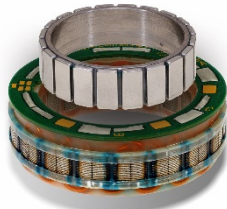
Visitors can experience the technology firsthand in live demos of collaborative robots (cobots) that feature RoboDrive motors and full torque sensor feedback in all joints. Cobots powered by TQ-RoboDrive offer a high degree of dexterity and sensitivity to external forces, as well as the ability to manipulate soft and undefined objects.

Drive solutions from TQ-RoboDrive can be found wherever high torque density, dynamic response, positioning precision and efficiency are at a premium.

Structurally integrated servo kits combine stator, rotor, sensors and safety brakes in a compact, frameless unit as small as $\varnothing 25\text{mm}$, with hollow-shaft capabilities for maximum freedom of design. The RoboDrive family of motors includes housed servo motors ranging in diameter from 32mm to 96mm, as well as gear motors and high-performance compact drives. With the RoboDrive SDB-40-100 servo inverter, developers can explore the outer limits of dynamic response on RoboDrive servo motors.

Originally designed by the German Aerospace Center (DLR) for missions in outer space, TQ-RoboDrive drive solutions offer exceptional performance characteristics that make them ideal for applications in medical devices, aerospace, robotics, industrial automation, laser and optics.

Images:



ILMServo Kits for maximum torque density and freedom of design in collaborative applications.



Compact hollow-shaft and solid-shaft servo motors for a wide range of applications.



The SDB-40-100 Servo Inverter offers highly dynamic cascaded control for testing the outer limits of RoboDrive motors.



Link to product site:

<http://www.tq-robodrive.com/en>

About TQ Group:

The technology company TQ-Group offers the complete range of E²MS services from development, through production and service right up to product life cycle management. The services cover assemblies, equipment and systems including hardware, software and mechanics. Customers can obtain all services from TQ on a modular basis as individual services and also as a complete package according to their individual requirements. Standard products such as Embedded CPU modules (Computer-on-Modules), drive and automation solutions complete the range of services.

The TQ Group employs approx. 1,600 colleagues at their 14 sites (10 x Germany, 1 x Switzerland, 1 x China, 1 x USA).

Further information on TQ can be found at www.tq-group.com/en.

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