



**NO CONTACT.
NO CONSTRAINTS.
NO STOPPING YOU.**

ARISO CONTACTLESS CONNECTIVITY

Unconstrained innovation counts on connectivity. Connectivity that's not subject to any of the old design parameters. Unconfined by movement restrictions.

With ARISO Contactless Connectivity, issues typically affecting connectivity in harsh environments, such as water, dust or vibrations, will no longer impact the reliable delivery of power, data and signal.

Where traditional connectivity reaches its limits due to space restrictions, vibrations, dust and dirt, contactless connectivity can provide highest design flexibility and help reduce maintenance and installation efforts.



Vibration



Tilt



Through
Materials



Safety



Rotation



Data
Power
Signal



arisocontactlessconnectivity.com





Contactless Connectivity – A Definition

A hybrid interconnection system, based on both contactless power and contactless data technology, which can easily connect over a short distance without physical contact.



BENEFITS

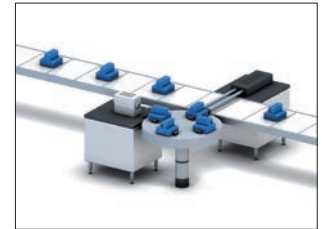
ARISO Contactless Connectivity can replace complex and expensive harness constructions and slip rings – enabling connectivity where connections were not possible before.

- **Freedom of movement** that includes tilt, angle or misalignment
- **Rotational freedom** that enables faster rotation with more than 360°
- **Easy, on-the-fly connection** – e.g. connecting remote IOs or sensors on moving machine parts
- **Vibration resistance** that enables safe and reliable connections in harsh environments
- **Unlimited mating cycles** in wet & dusty environments for reduced maintenance costs
- **Design flexibility** and **cost savings** by transfer of power and signal through fluids and walls
- **Safe and reliable connections** by using magnetic coupling

APPLICATIONS



**Robotics
and Tool Changing**



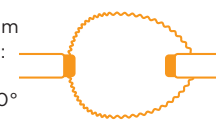
**Rotary Tables
and Material Handling**

But also in all applications ...

... where traditional connectors reach their limit, e.g. due to mating cycles or harsh environments

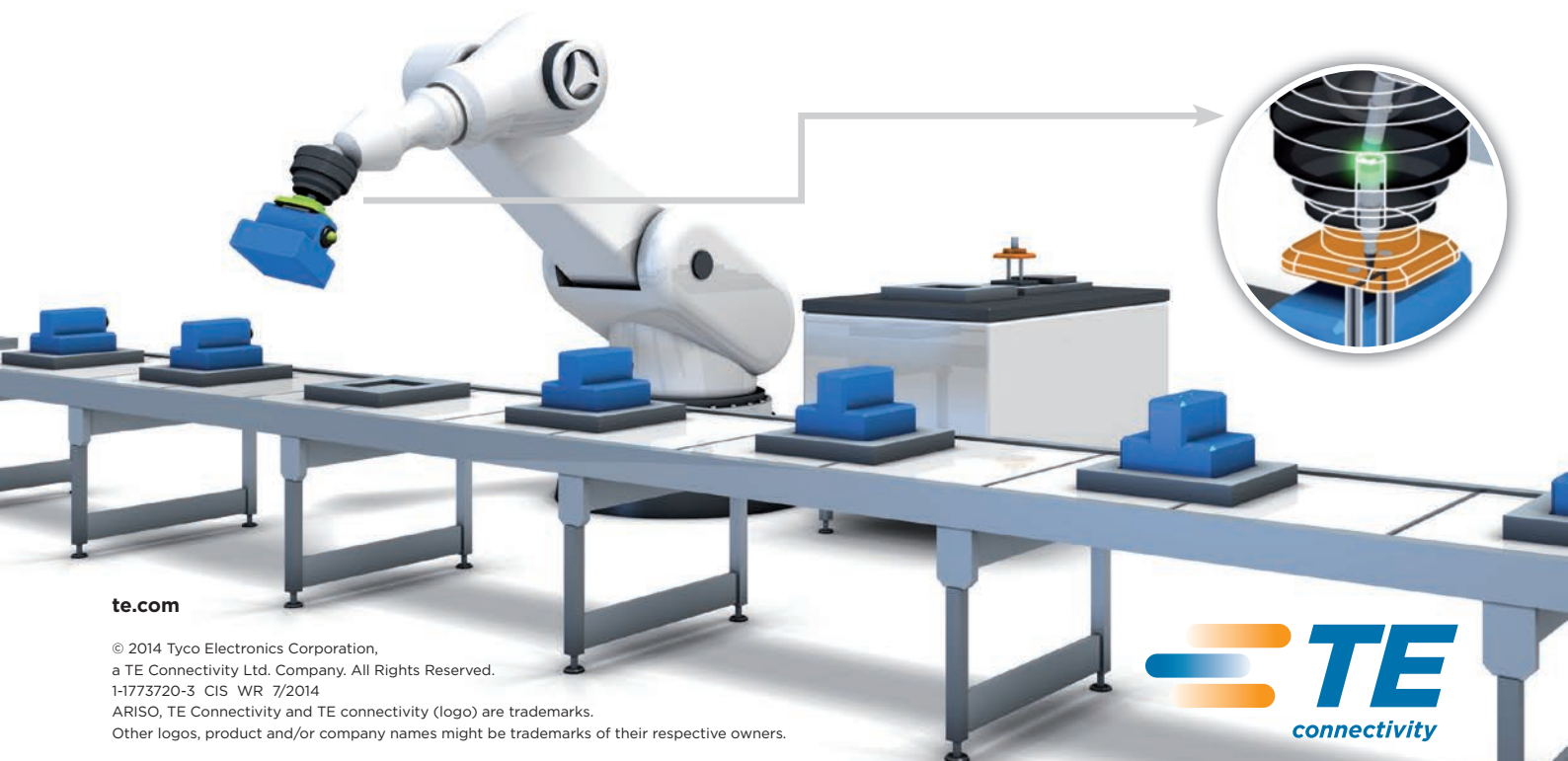
... where slip rings or spring cables reach their limit, e.g. for a maintenance-free, high speed rotation

... that are completely new, e.g. like connections through walls and materials

Variants	Power Level	Data/Signal	Size*	Weight *	Operational Freedom	Specification
Circular	12 Watt	up to 8x GPIO (PNP)	M30 x - 80 mm	-200 g	Gap: max. 7 mm Mis-alignment: max. 5 mm Angle: max. 30° 	- Operating voltage: 24 VDC - Output current: 500 mA - Temp. range: -20°C to 55°C - IP67 - CE, RoHS, (UL)

Additional variants up on requests (e.g. 100 W, Industrial Ethernet)

* one coupler



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