A close-up photograph of two ARISO contactless couplers. They are cylindrical, silver-colored metal devices with a threaded section in the middle. They are connected by a series of small, yellow, triangular inductive coupling elements. The background is a blurred, blue and white liquid splash.

ARISO CONTACTLESS CONNECTIVITY CHANGES THE GAME.

INNOVATIVE TECHNOLOGY CREATES A NEW WORLD OF POSSIBILITIES IN THE FOOD & BEVERAGE INDUSTRY.

The food and beverage industry relies heavily on manufacturing to produce high quality products efficiently. Keeping the equipment sanitary is not only essential to maintaining flavor quality, it is also critical to eliminating potential contamination. At a minimum, cleaning these machines takes valuable time and impacts productivity. However, the risks associated with less than spotless equipment are far greater.

With the introduction of TE Connectivity's ARISO contactless connectivity platform, dramatic improvements in the food and beverage industry are now possible—innovations that improve productivity, minimize pollutants, and reduce the total cost of ownership.

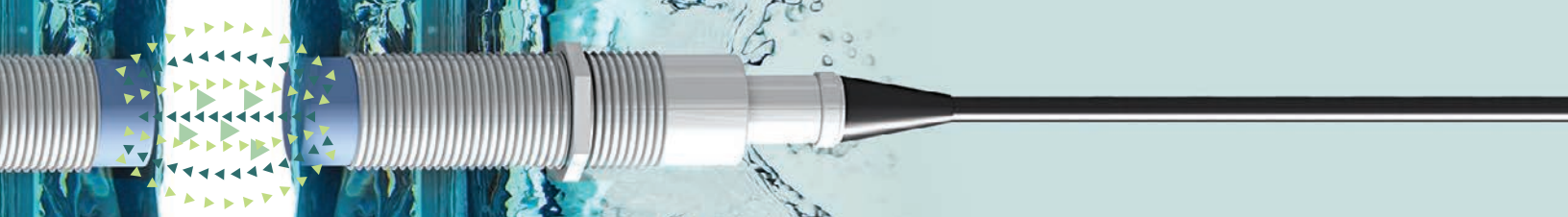
MECHANICAL CONNECTIVITY HAS ITS LIMITS.

Manufacturing equipment typically relies on mechanical connectors to transmit power and data via electricity. The same is true in the food and beverage industry, but because of stringent requirements for maintaining sanitary conditions, mechanical connectors pose unique challenges. Bacteria can form easily in food production, and connectors are also very sensitive to dust. Equipment must be kept spotless not only to ensure quality flavor and taste, but also to maintain functionality. Given the electrical flow of current, water cannot be used in the cleaning process, making it both cumbersome and expensive.

CONTACTLESS CONNECTIVITY CHANGES THE GAME.



ARISO contactless couplers eliminate the need for mechanical connections, replacing them with inductively coupled devices that transmit power and data across small distances without contact. During cleaning, when mechanical couplers are unmated or disconnected, water can cause short-circuiting, corrosion or other damage. Without electricity, water can be safely used to clean contactless couplers, greatly reducing the cost and time required for the job. Expensive solvents are virtually eliminated and downtime is minimized. TE's contactless connectivity platform not only reduces costs, it also increases productivity.



Furthermore, dust is unstable by nature. With electricity, a spark could possibly ignite dust or food particles, causing them to explode.

Certain foods or ingredients used in food manufacturing are also especially prone to ignition. For example, flour dust and milk powder are both very explosive, requiring extreme caution when used in conjunction with electricity. With the ARISO platform, the connector is magnetically coupled and therefore will not ignite dust clouds or food particles.

SO, WHAT IS POSSIBLE?

With so many limitations removed, we have only begun to see what may be possible. Certainly food and beverage manufacturing will be more efficient and less costly. So much power and imagination lay in future applications of the ARISO platform. So much power lies in what's possible.

EXPERIENCE THE ARISO PLATFORM FOR YOURSELF. ORDER YOUR EVALUATION KIT TODAY.

These evaluation kits give you the freedom to experiment with this technology in your own environment. Integrate TE's Contactless Connectivity technology into current, real-world scenarios of your own or share it with your customers. You never know what possibilities may develop with ARISO contactless connectivity at your fingertips. Contact us today at ARISO@TE.com.

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