

Baker Hughes Waygate Technologies Launches Krautkrämer RotoArray comPAct Industrial Inspection Solution

- *Krautkrämer RotoArray comPAct is the first ultrasonic inspection solution with new phased array (PA) electronics technology based on a proprietary patent*
- *Advanced roller probes directly built-into RotoArray comPAct facilitate inspection of large-scale composite materials while offering exceptional connectivity, portability, and ease of use*
- *With no extra phased array device required, the patented comPAct technology miniaturizes existing electronics and brings PA power directly to the probe, resulting in lighter, simpler, and more cost-effective industrial ultrasonic inspections*

HUERTH, Germany, August 1, 2023 – Waygate Technologies, a Baker Hughes business and world leader in nondestructive testing (NDT) solutions for industrial and energy inspection, announced the launch of Krautkrämer RotoArray comPAct, a portable roller probe for manual phased array (PA) ultrasonic inspection of large-scale composite materials. The new and enhanced technology complements the existing Krautkrämer RotoArray product line for the aviation, space exploration and wind energy industries.

Krautkrämer RotoArray comPAct is equipped with new Baker Hughes patented comPAct technology, enabling lighter, simpler, and more cost-effective ultrasound (UT) phased array applications. The comPAct technology eliminates the need for an additional phased array device for users, because the miniaturized electronics integrate the PA power directly into the probe.

“With the help of this industry-first technology, we aim to make phased array ultrasonic inspection easier, more cost-efficient and, most importantly, accessible to everyone in the industry,” said Miao Wang, general manager ultrasound at Waygate Technologies. *“Krautkrämer RotoArray comPAct is our first product to be powered by comPAct and we look forward to bringing to market more solutions for broader applications in the coming years.”*

comPAct: A unique and lightweight phased array concept

The comPAct concept compresses the functionality of phased array electronics into a half-thumb-sized chip. The miniaturized instrument electronics enable a 100-fold reduction in volume and a 20-fold reduction in power consumption compared to traditional PA instruments, allowing the instruments to be easily powered from a tablet or PC via a USB connection. Minimal size and light weight offer maximum flexibility for housing PA electronics in a box, directly in a scanner, or even in the PA probe itself. This integration of the electronics into the probe also improves the inspection quality due to a better signal to noise ratio.

Less equipment ensures maximum portability and effortless operation

The RotoArray comPAct wheel probe combines the performance of a complete PA inspection system in a single probe. To operate the product, it can easily be

connected to a tablet or PC via USB cable; and with a Wi-Fi or cellular-enabled tablet or PC users can access an available on-site network to faster share and store inspection data, thus gaining inspection insights more quickly.

Furthermore, the all-in-one solution is characterized by an ergonomic and user-friendly design that makes it also suitable and intuitive for beginners. Users are guided step-by-step through the system setup, calibration and the whole manual inspection process. The instrument ensures reliable and convenient flaw detection with maximum portability, minimum weight and excellent connectivity for time- and cost-efficient manual phased array ultrasonic inspections of large areas. Krautkrämer RotoArray comPAct is already available.

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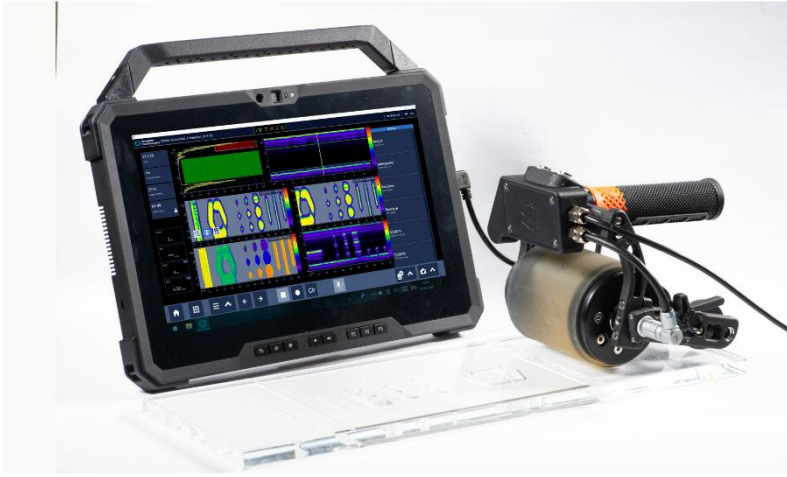
Learn more and contact Waygate Technologies, a Baker Hughes business:

- Krautkrämer RotoArray comPAct [online](#)
- Waygate Technologies corporate website: waygate-tech.com
- Waygate Technologies [LinkedIn channel](#)
- Waygate Technologies [YouTube channel](#)

Images



Krautkrämer RotoArray comPAct is the first product powered by the new comPAct technology from Waygate Technologies, a Baker Hughes business. The phased array electronics, compressed to the size of a chip, is integrated directly into the probe (visualization).



Krautkrämer RotoArray comPAct can be connected to a tablet or PC via USB connection.



Krautkrämer RotoArray comPAct is suitable for ultrasonic NDT inspection of composite materials.

About Baker Hughes

Baker Hughes (NASDAQ: BKR) is an energy technology company that provides solutions to energy and industrial customers worldwide. Built on a century of experience and conducting business in over 120 countries, our innovative technologies and services are taking energy forward – making it safer, cleaner and more efficient for people and the planet. Visit us at bakerhughes.com.

About Waygate Technologies

Waygate Technologies is part of the Inspection portfolio within the Baker Hughes (NASDAQ: BKR) Industrial & Energy Technology (IET) business segment. As an industrial inspection solutions provider and world leader in nondestructive testing (NDT), we ensure safety, quality and productivity. We combine more than 125 years of experience and a collection of heritage product brands including Krautkrämer, Phoenix, Seifert, Everest and Agfa NDT. Today, hundreds of brands in the automotive, aviation, space exploration, electronics, energy, battery and additive industries trust our technologies. We drive digital transformation through a broad portfolio of award-winning solutions in industrial radiography and computed

tomography (CT), remote visual inspection (RVI), ultrasound (UT), and robotic inspection.
Inspection starts here: bakerhughes.com/waygate-technologies

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