



Press Release
August 2025

Rethinking Ultrasonic – SONOTRONIC at K 2025

Innovation at every frequency – SONOTRONIC showcases the future of ultrasound at K 2025!

**Ultrasonic solutions in focus –
iSONIC ECO TM, Global Network and ultrasonic seam welding 30/35 kHz live demonstration**

At K 2025, the world's leading trade fair for plastics and rubber, ultrasonic special machine manufacturer SONOTRONIC from Karlsbad will present pioneering innovations in ultrasonic technology from October 8 to 15 in Hall 11, Booth 11-E47. Highlights include the series premiere of the fully electric iSONIC ECO TM ultrasonic benchtop machine, the expanded global sales and service network, and an exclusive live comparison of seam welding at 30 kHz and 35 kHz. SONOTRONIC demonstrates how ultrasonic technology is shaping the future of the plastics, automotive, packaging, medical, and textile industries in a sustainable way.

iSONIC ECO TM – Now in series production

After successful prototype deployments, the iSONIC ECO TM is now entering series production. Five machines will demonstrate live at K 2025 the wide range of applications – from ultrasonic welding and embossing to ultrasonic joining.

The iSONIC ECO TM operates 100% electrically – completely without compressed air. This reduces energy consumption and maintenance costs, making the machine sustainable and cost-efficient. With its compact design and external control cabinet, it is mobile, space-saving, and quickly ready for operation. Plug-in connections enable easy installation, while modular expansions such as a soundproof hood, sliding table, or film feed unit provide additional flexibility.

A highlight is the new Waveshare 9.3-inch display with clear visualization of all parameters – optionally also as a touchscreen. For maximum flexibility, the standard machine features two integrated frequencies – 20 kHz and 35 kHz. The innovative quick-change system allows for easy tool changes and the use of different welding tools and component holders. This enables the iSONIC ECO TM to cover a wide range of applications – from robust plastics to highly sensitive medical applications requiring maximum precision and process reliability.

Globally connected, locally present

In addition to innovative machines, customer proximity is a key theme. Under the motto "Ultrasonic Solutions. Global Network. Local Expertise." SONOTRONIC will present its expanded international sales and service network at K 2025. From its headquarters in Karlsbad, subsidiaries in Spain, the USA, and China, as well as numerous representatives worldwide, are coordinated. This ensures short communication paths, quick consultation, and reliable on-site service. Users benefit from consistent quality, rapid spare parts supply, and direct access to technical know-how – combined with local market knowledge.

iSONIC WAVE BRM: Ultrasonic seam welding live comparison: 30 kHz vs. 35 kHz

A special highlight at the trade fair is the live demonstration of two PFAFF 8311 machines with different ultrasonic frequencies. The 30 kHz machine offers higher amplitude and power, ideal for thicker materials and fast production steps, for example in the filter and nonwoven industries. The 35 kHz version stands for precision with lighter materials up to 400 g/m² and is optimal for many standard applications. The direct comparison shows how different frequencies meet specific requirements – and how 30 kHz technology is increasingly setting new standards.

With energy-optimized machines, resource-saving processes, and a strong global network, SONOTRONIC demonstrates at K 2025 how ultrasonic technology will shape the industry of tomorrow.

Date: October 8–15, 2025
Location: Messe Düsseldorf
Hall 11, Booth 11-E47



About SONOTRONIC

As a pioneer in the Ultrasonic Technology, SONOTRONIC GmbH develops and produces machines, systems and components for the joining of plastics. Our innovative systems are used worldwide by well-known OEMs to produce plastic parts for exterior and interior trim in the automotive industry. In addition, we manufacture high-tech ultrasonic systems for the plastics, packaging, food, textile, medical and environmental industries. With our Global Headquarters in Germany and locations in the USA, China and Spain, we are one of the leading companies in our industry. Together with our dedicated team, we are actively committed to ensuring a sustainable and forward-looking plastics joining technology.

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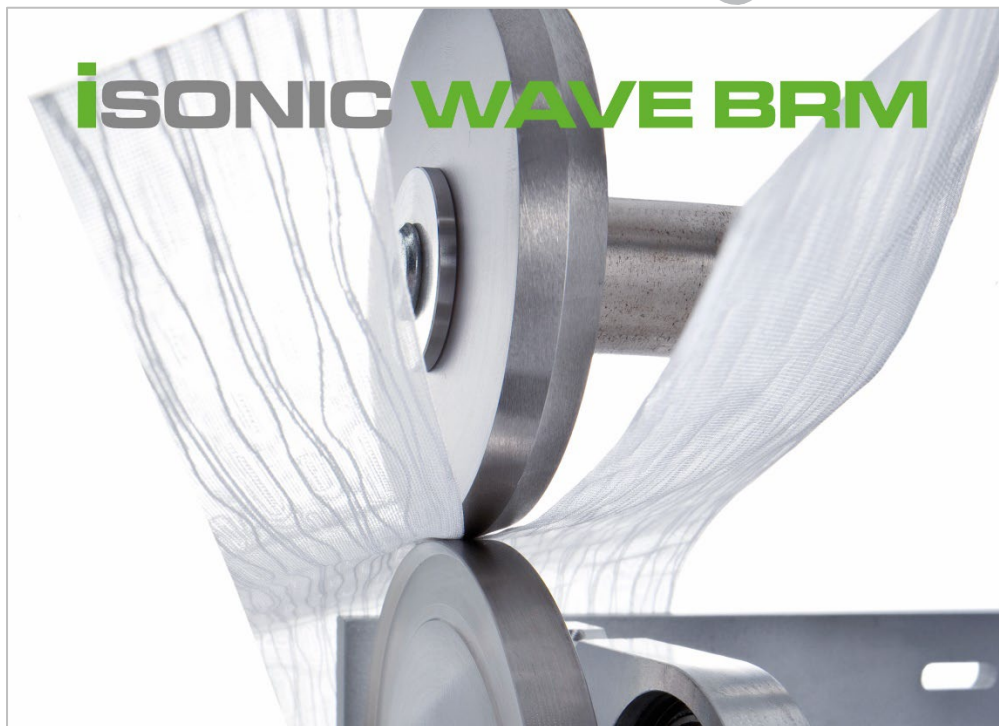
Caption: Series premiere of the iSONIC ECO™: The fully electric ultrasonic benchtop machine operates completely without compressed air, is maintenance-free, and particularly energy-efficient. With two integrated frequencies (20 kHz and 35 kHz) and an innovative quick-change system, it covers a wide application range – from welding to embossing to demanding areas such as medical technology. New: a 9.3" display, optionally as a touchscreen.



Caption: iSONIC ECO TM with soundproof hood – optional accessory for reducing sound emissions



Caption: von links: From left: 1. iSONIC ECO TM Basic, 2. with sliding table for ergonomic placement of components under the sonotrode, 3. with film feed unit for protecting sensitive component surfaces



Caption: Live comparison of ultrasonic seam welding (iSONIC WAVE BRM) with 30 kHz and 35 kHz



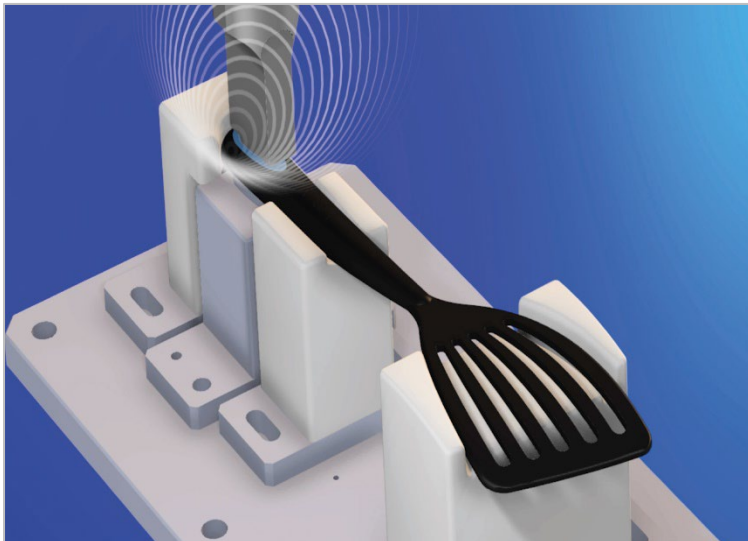
Caption: Ultrasonic seam welding sonotrodes – 100% developed and manufactured by SONOTRONIC



*Caption: Live ultrasonic application at K 2025, Hall 11, Booth 11-E47:
Ultrasonic embossing of technical textiles*



*Caption: Live ultrasonic application at K 2025, Hall 11, Booth 11-E47:
Two injection-molded housing halves welded with ultrasonic to create a sustainable bottle opener*



*Caption: Live ultrasonic application at K 2025, Hall 11, Booth 11-E47:
Ultrasonic welding of pan turners*