



Press Release
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Neighbors become partners – Ultrasonic meets 3D-Printing

Only a few streets separate the two high-tech companies in the Karlsbad-Ittersbach industrial area – now they share more than just physical proximity: SONOTRONIC, a specialist in ultrasonic technology, and PartsToGo GmbH, a certified dealer and service provider for industrial 3D printing solutions, are entering into a strategic partnership.

In the future, PartsToGo will rely on the ultrasonic hand welding device iSONIC WAVE HSG from SONOTRONIC for the post-processing of its additively manufactured plastic parts. This technology enables precise, clean, and durable connections – a crucial advantage for applications with high quality requirements.

The official handover of the ultrasonic hand welding device recently took place with Tobias Röcker (CEO PartsToGo) and Manuel Kappler (Application Engineer, PartsToGo) together with Kai Wagner (Sales Manager SONOTRONIC). Even in the first exchange, it became clear that both companies share a passion for innovative technologies as well as for efficient and sustainable manufacturing processes.

Two worlds, one idea: How ultrasonic and 3D-Printing complement each other

While additive manufacturing offers maximum design freedom and flexible production options, ultrasonic processing ensures precise, material-saving, and reproducible connection technology – entirely without additional auxiliary materials. The combination of both technologies enables a seamless process from the digital component to high-quality post-processing.

The ultrasonic technology offers clear advantages:

- Resource- and energy-efficient: Low energy input without complex thermal heating.
- No additives: Connections are made directly in the material – without glue or solvents.
- Clean and fast: Short processing times and low emissions facilitate industrial use.
- High flexibility: The iSONIC WAVE HSG impresses with ergonomic design, quick tool change, and integrated cooling.
- Process reliability: Reproducible results ensure reliable, quality-assured manufacturing.

About PartsToGo GmbH

PartsToGo is an established service provider in the field of additive manufacturing and supports companies with solutions from consulting to production to quality-assured post-processing. With the new partnership, PartsToGo expands its service portfolio to include efficient ultrasonic plastic processing methods and strengthens its position as a modern manufacturing partner. From November 18 to 21, PartsToGo will present itself at Formnext – Where ideas take shape in Frankfurt. Visitors can find the company in Hall 12.1, Stand B119.

From neighborhood to partnership

With the combination of PartsToGo's 3D printing expertise and SONOTRONIC's ultrasonic competence, a forward-looking alliance is created for precise, sustainable, and modern plastic processing.



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.

Contact

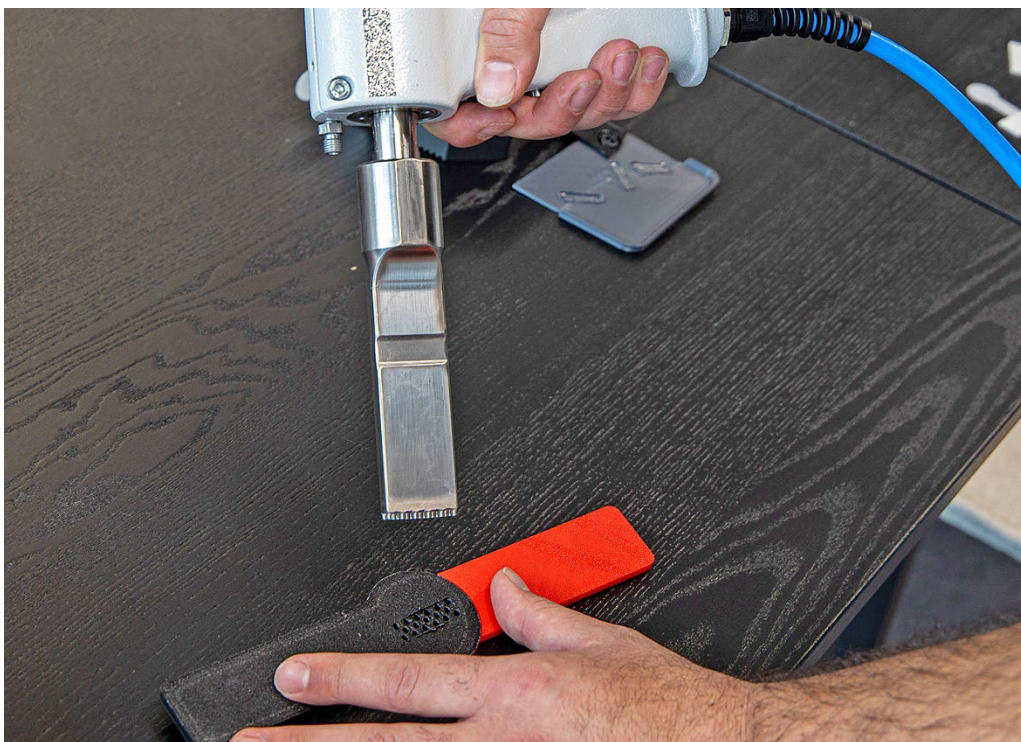
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Caption: Tobias Röcker (CEO, PartsToGo, center), Manuel Kappler (Application Engineer, PartsToGo, left) and Kai Wagner (Sales Manager, SONOTRONIC, right) present the official handover of the ultrasonic hand welding device iSONIC WAVE HSG along with two 3D-printed plastic parts featuring the logos of both companies, which were welded into a single component.



Caption: The ultrasonic hand welding device iSONIC WAVE HSG with insertion sonotrode precisely welds two 3D-printed plastic parts into a single component.



Caption: The result of the ultrasonic process: The two 3D-printed plastic parts are precisely and completely welded into a stable component without any additives.



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