AUTOMOTIVE

ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

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rinco® ultrasonics

*Technology **that moves***

THE HIGHEST LEVELS OF QUALITY AND PRECISION: WITH VERSATILE ULTRASONIC WELDING TECHNOLOGY TO CREATE A QUALITY PRODUCT

The highest levels of quality for welding results, well-chosen materials for tools and absolute process control thanks to recording software for validation purposes and quality assurance.

RINCO offers you everything you need for a production process at the highest level. Regardless of whether you need to weld plastic components for rear lights, loudspeakers, air filters or hydrophobic membranes, to name but a few examples, to punch slots in bumpers for parking sensors, to weld on parking sensor mounts, or to cut and seal non-woven materials for interior door trims in a single operation, we will be happy to help you find the right solution to your problem. Our components can be integrated into robotic arms and multiple-head machines quickly and with ease.

WELDING TECHNOLOGY WITH A WHOLE HOST OF ADVANTAGES

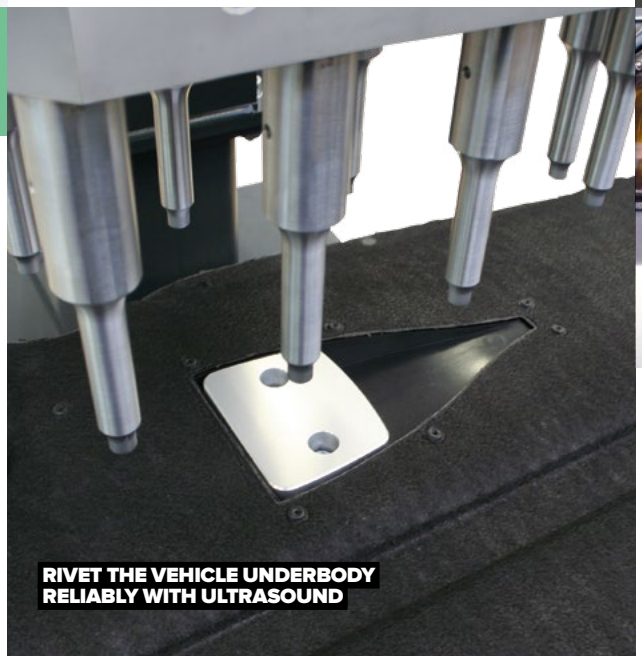
ACCURATE WELDING RESULTS

WELDING WITHOUT MARKING

- **Optimization of the process** thanks to a high process speed and short process cycles
- **High flexibility** thanks to the modular construction of our components
- **Economical, energy-saving** and **efficient**
- **Consistent and accurate welding results which can be reproduced** thanks to recording software
- **Audit trail function** for complete traceability and quality assurance
- **Very short maintenance times**

ULTRASONIC WELDING TECHNOLOGY

Welding, riveting, punching, die-sinking, bending and sealing can all be carried out on **thermoplastics and copolymers** in the form of moulds or flexible shapes. A particularly suitable operation here is **embedding**, which allows **metals and plastic components** to be joined without pre-heating the metal components or damaging the application. **Cutting, punching, sealing and welding** can also be carried out on **technical textiles and non-woven materials.**


RIVET THE VEHICLE UNDERBODY RELIABLY WITH ULTRASOUND

ULTRASOUND CAN BE USED TO PUNCH VARIOUS GEOMETRIC SLOTS AND WELD ON PARKING SENSOR MOUNTS

OUR TOOLS – WELL-CHOSEN MATERIALS, SUITABLE COATINGS, LOW WEAR AND TEAR

Our tools are custom-developed and calculated and simulated using **FEM analysis**. They are made from select materials. Their high quality guarantees a long service life. Thanks to our **quick-change system**, tools can be replaced **within just a few minutes**, reducing downtimes to a minimum.

HORNS ARE PRODUCED BY US IN-HOUSE

FREQUENCIES FROM 20, 30, 35, 40 AND 70 kHz

AUTOMATION & INTEGRATION

Thanks to the modular construction of our components, a manual workstation can be developed into an automation line or integrated in a special purpose machine at any time.

AUTOMATED MULTIPLE-HEAD WELDING

Since its foundation in 1976, RINCO ULTRASONICS has been developing and constructing machines and generators, as well as components and tools, to the highest levels of precision and quality for ultrasonic solutions.

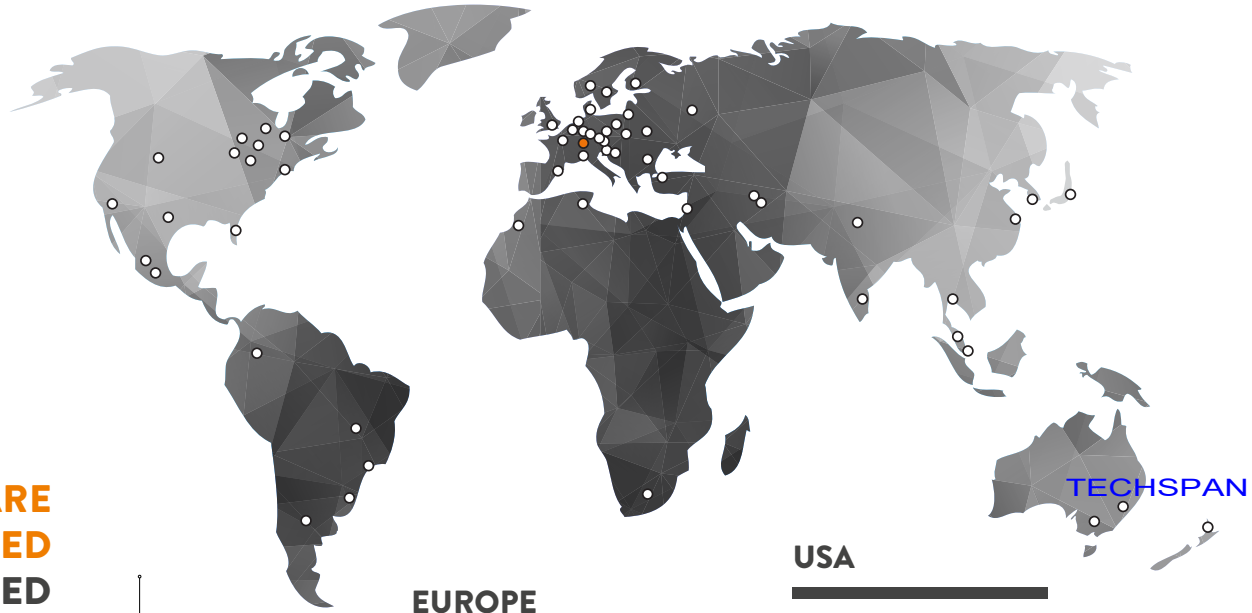
ECONOMICAL, ENERGY-SAVING & EFFICIENT TECHNOLOGY

The right device for every application. We provide you with tailored technology. Contact us and we will be happy to advise you.

RINCO ULTRASONICS offers tailored solutions where there is a need for a high degree of efficiency and precision, a high processing speed, reproducibility, as well as a manageable investment volume. This also includes pilot trials in the laboratory, which involve testing the product and developing optimal solutions.

We also invest our many years of experience into the development of new and innovative products, and this guarantees our customers the ideal solution to meet their requirements every time. Our company is also certified in accordance with ISO 9001, ISO 13485 and ISO 14001, and is therefore familiar with high quality standards and quality assurance, with expert project management for sectors including the medical industry.

The global network of representatives and subsidiaries ensures that the established RINCO after-sales support team is always on-hand to provide the highest degree of security and process reliability. RINCO products are virtually maintenance-free and demonstrate long service lives.



WE ARE
FOCUSED
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CONTACT US FOR MORE INFORMATION

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ISO 14001 BUREAU VERITAS Certification

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