NON-WOVEN & TEXTILE

ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

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rinco® ultrasonics

*Technology **that moves***

VERSATILE USE

Ultrasonic technology can be used for a wide range of processes. Whether for **cutting with edge sealing, welding, cutting and sealing, roller seam welding, embossing** or **punching**, there are virtually no limits when it comes to seam designs. At RINCO ULTRASONICS, you will find the right device and be provided with the best advice.

ABSOLUTE PROCESS CONTROL
AND THE HIGHEST LEVELS OF QUALITY

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 monitoring. Textile applications are ideal for processing with ultrasonic technology.

- **Consistent and accurate welding results which can be reproduced** thanks to recording software
- **Flexible weld seams** and clean cut edges
- **Material compression in the edge area**
- **Economical, energy-saving** and **efficient**
- **Very short maintenance times**
- **Simple contour cutting**

ULTRASONIC WELDING TECHNOLOGY

Non-wovens and **technical textiles** containing thermoplastics can be **cut, punched, welded and sealed** in an **intermittent or continuous** operation.

PUNCH FIRST, THEN WELD

ROLLER SEAMS CAN BE CUSTOM-DESIGNED

RELIABLE WELDING RESULTS WHERE IT MATTERS

PUNCHING AND SEALING
IN A SINGLE OPERATION

CUTTING HORNS
FOR ALL APPLICATIONS
IN FREQUENCIES
20, 30, 35, 40 AND 70 KHZ

100 %
RELIABLE

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.

MINIMUM GENERATION OF PARTICLES AND DUST

Using ultrasound, textiles with certain thermoplastic content are cut and sealed in a single operation. Compared against mechanical cutting, this prevents dust generation and fraying.

AGM

HAND CUTTER

ECOLINE GENERATOR

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.

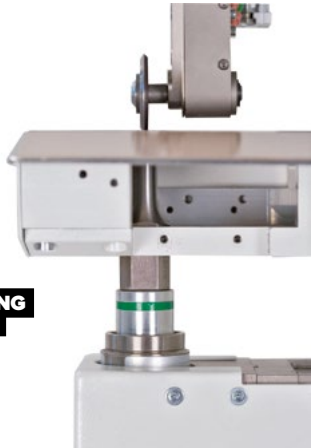
RINCO ULTRASONICS offers tailored solutions where there is a need for a high degree of efficiency and precision, a high processing speed, reproducibility, as well as a manageable investment volume. This also includes pilot trials in the laboratory, which involve testing the product and developing optimal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

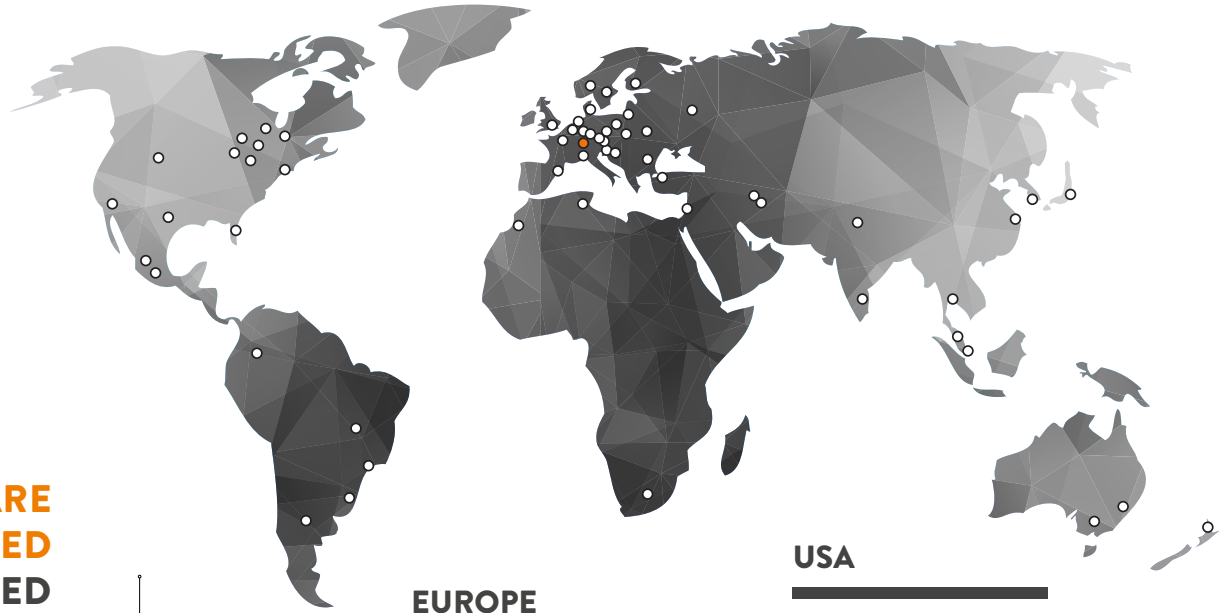
The global network of representatives and subsidiaries ensures that the established RINCO after-sales support team is always on-hand to provide the highest degree of security and process reliability. RINCO products are virtually maintenance-free and demonstrate long service lives.

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.



CUTTING TABLE



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Swiss technology

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