

NON-WOVEN & TEXTILE



# ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

 **rinco**<sup>®</sup>  
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.



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.



**AGM**



**HAND CUTTER**



**ECOLINE GENERATOR**

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.

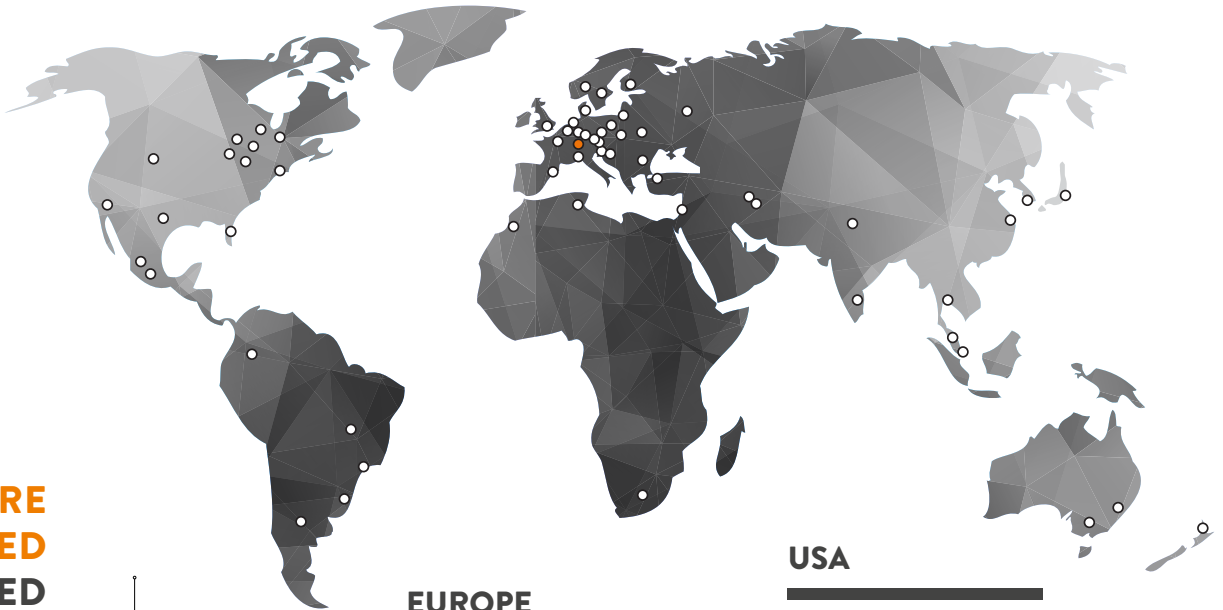
## ECONOMICAL, ENERGY-SAVING & EFFICIENT TECHNOLOGY

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

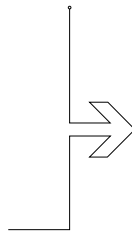


**CUTTING TABLE**

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  
COMMITTED  
GLOBAL  
LOCAL**



## EUROPE

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### SWITZERLAND

[rincoultrasonics.ch](http://rincoultrasonics.ch)

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CONTACT US FOR MORE INFORMATION

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