

HIGH-TECH



# ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

 **rinco**<sup>®</sup>  
*ultrasonics*

AROUND YOU EVERY DAY





# THE HIGHEST LEVELS OF QUALITY AND PRECISION

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. Our expert project management is based on our certifications in accordance with **ISO 9001, ISO 13485 and ISO 14001**.

# WELDING TECHNOLOGY WITH A WHOLE HOST OF ADVANTAGES

- **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**



**DIFFERENT MATERIALS CAN  
ALSO BE WELDED  
USING ULTRASOUND**




**ELECTRONIC COMPONENTS  
CAN BE WELDED WITH EASE**



**WELDING WITHOUT  
MARKING**

## ULTRASONIC WELDING TECHNOLOGY



**Attractive Rivets**

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**.



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

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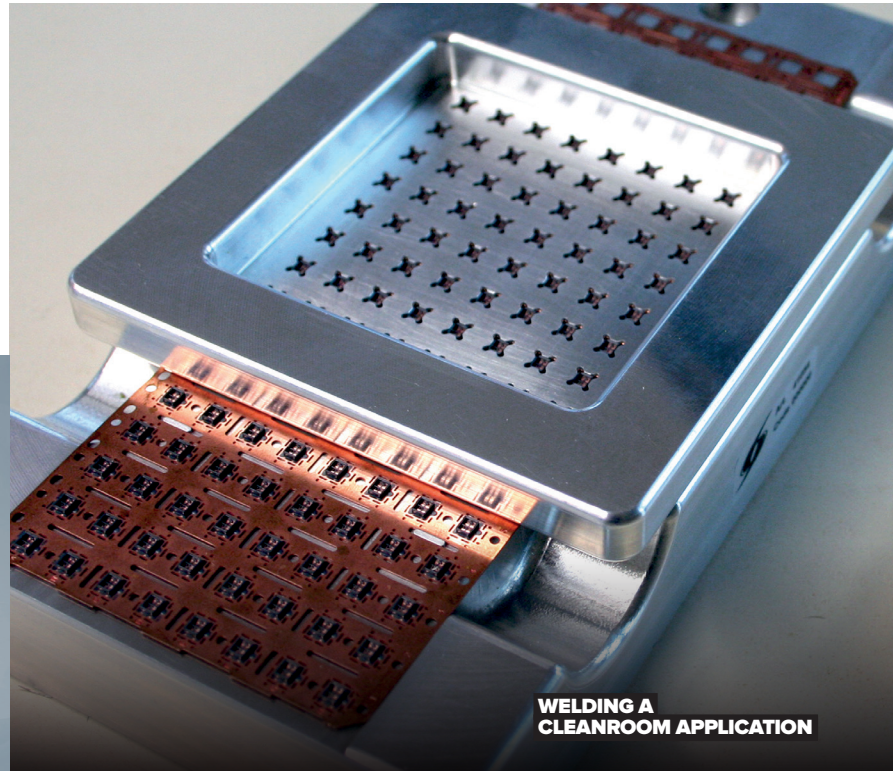
Our tools are custom-developed and calculated and simulated using **FEM analysis**. They are made from select materials and are therefore also suitable for **cleanrooms**. Their high quality guarantees a long service life. Thanks to our quick-change system, tools can be replaced within just a few minutes,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

## AUTOMATION & INTEGRATION

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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.

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



**WELDING A  
CLEANROOM APPLICATION**



**ELECTRIC  
MOTION2**



**AGM PRO**



**STANDARD 3000  
CLEANROOM**

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.

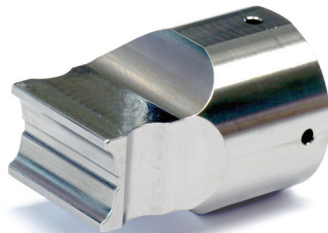
RINCO ULTRASONICS offers tailored solutions where there is a need for a high degree of efficiency and precision, a high processing speed, reproducibility, as well as a manageable investment volume. This also includes pilot trials in the laboratory, which involve testing the product and developing optimal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

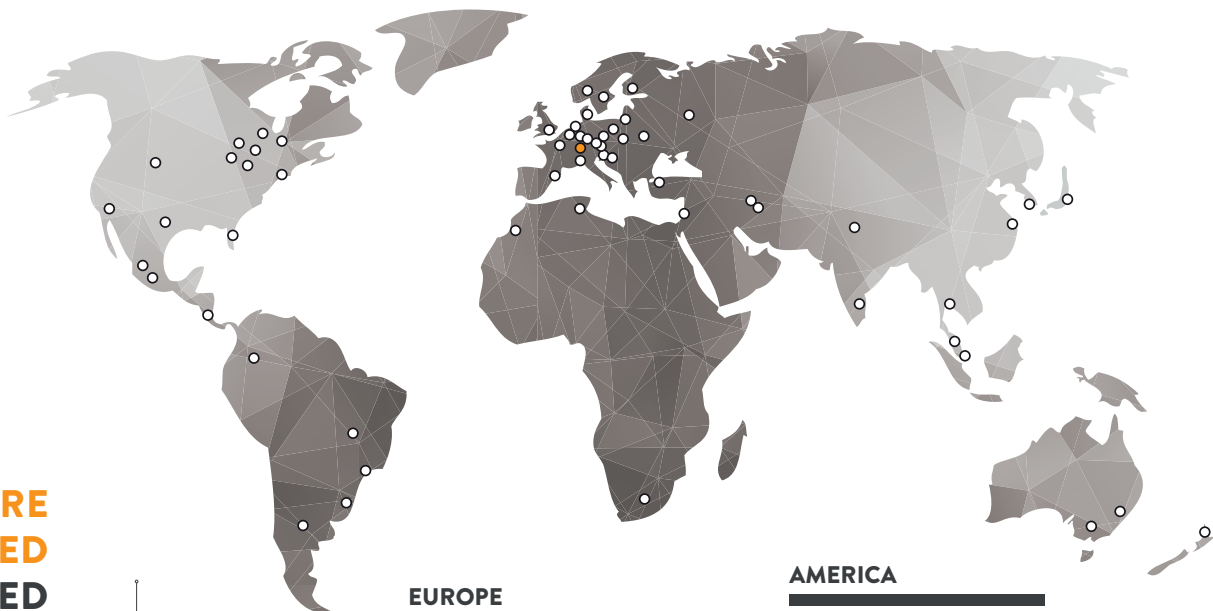
The global network of representatives and subsidiaries ensures that the established RINCO after-sales support team is always on-hand to provide the highest degree of security and process reliability. RINCO products are virtually maintenance-free and demonstrate long service lives.

## ECONOMICAL, ENERGY-SAVING & EFFICIENT TECHNOLOGY

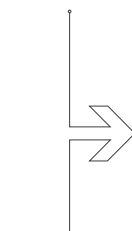
The right device for every application. We provide you with tailored technology. Contact us and we will be happy to advise you.



**OUR HORNS  
ARE PRODUCED  
IN-HOUSE**



**WE ARE  
FOCUSED  
COMMITTED  
GLOBAL  
LOCAL**



## EUROPE

### SWITZERLAND

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

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SINCE 1976**