

COSMETICS



ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

 **rinco**[®]
ultrasonics

Technology **that moves**



DESIGN & SURFACES

A great deal of attention is paid to packaging design – particularly in the field of cosmetics. With ultrasonic welding technology, parts can be **welded cleanly without damaging the surface**. The product is also preserved in optimum condition, as the tool remains **cold** during the welding process, making it **highly suitable for heat-sensitive products**.

ULTRASONIC WELDING TECHNOLOGY

HYGIENIC, ENVIRONMENTALLY FRIENDLY AND PROCESS-OPTIMISING

- **No additional connection components** that could be harmful to health
- Product line suitable for **cleanrooms**
- **Economical, energy-saving and efficient** thanks to short process cycles
- **Consistent and accurate welding results which can be reproduced** thanks to recording software
- **Audit trail function** for 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**.



WELD TOOTHBRUSH HEAD AND HANDLE



INSERTS CAN BE WELDED INTO COSMETIC JAR LIDS RELIABLY AND WITH EASE



CLEAN SEALED SEAMS USING ULTRASONIC TECHNOLOGY

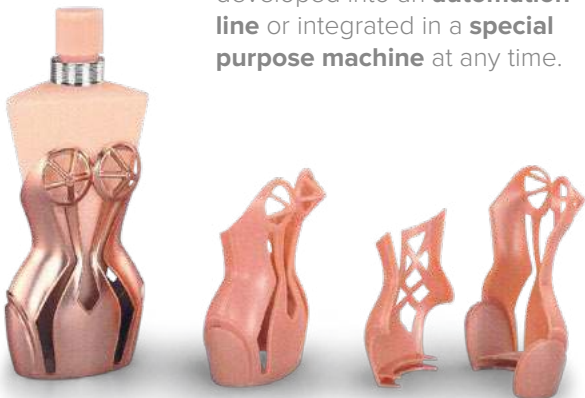


OUR TOOLS – WELL-CHOSEN MATERIALS, SUITABLE COATINGS, LOW WEAR AND TEAR

Our tools are custom-developed and calculated and simulated using **FEM analysis**. They are made from select materials 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

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.



**STEP BY STEP
TO THE FINAL PRODUCT**



DEPENDING ON THE
APPLICATION,
1 MILLION
WELDING OPERATIONS
POSSIBLE



**STANDARD 3000
CLEANROOM**



EASY 745

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.

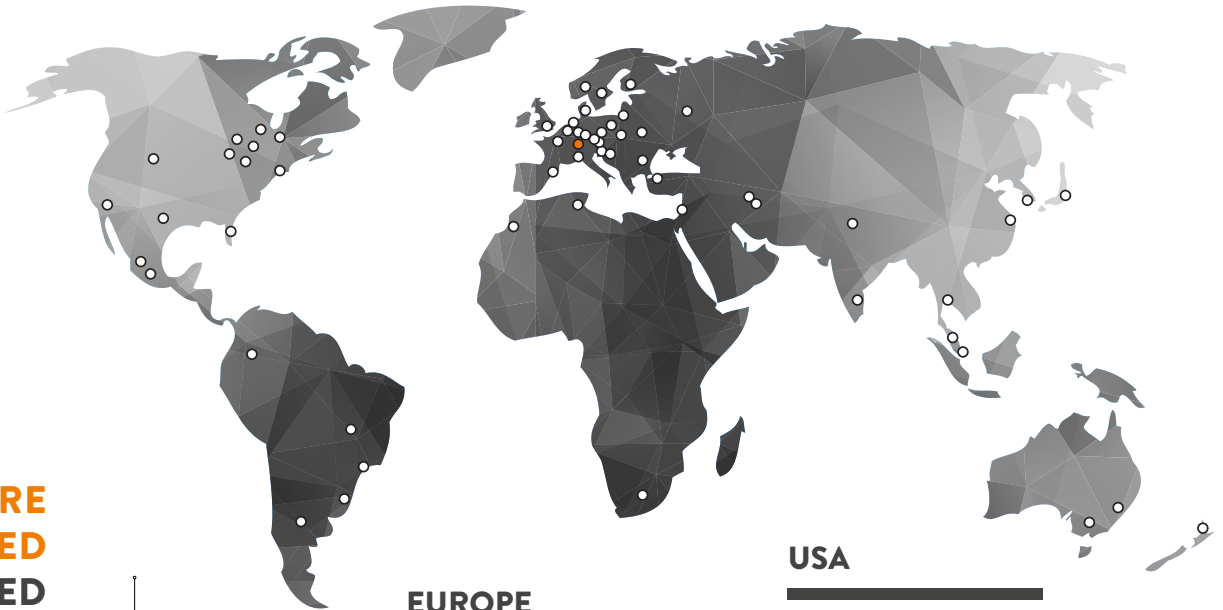
We also invest our many years of experience into the development of new and innovative products, and this guarantees our customers the ideal solution to meet their requirements every time. Our company is also certified in accordance with ISO 9001, ISO 13485 and ISO 14001, and is therefore familiar with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

ECONOMICAL, ENERGY-SAVING & EFFICIENT TECHNOLOGY

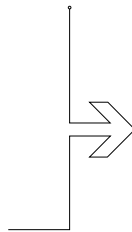
The right device for every application. We provide you with tailored technology. Contact us and we will be happy to advise you.



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**



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