COSMETICS

ULTRA SONIC

WELDING AND CUTTING TECHNOLOGY

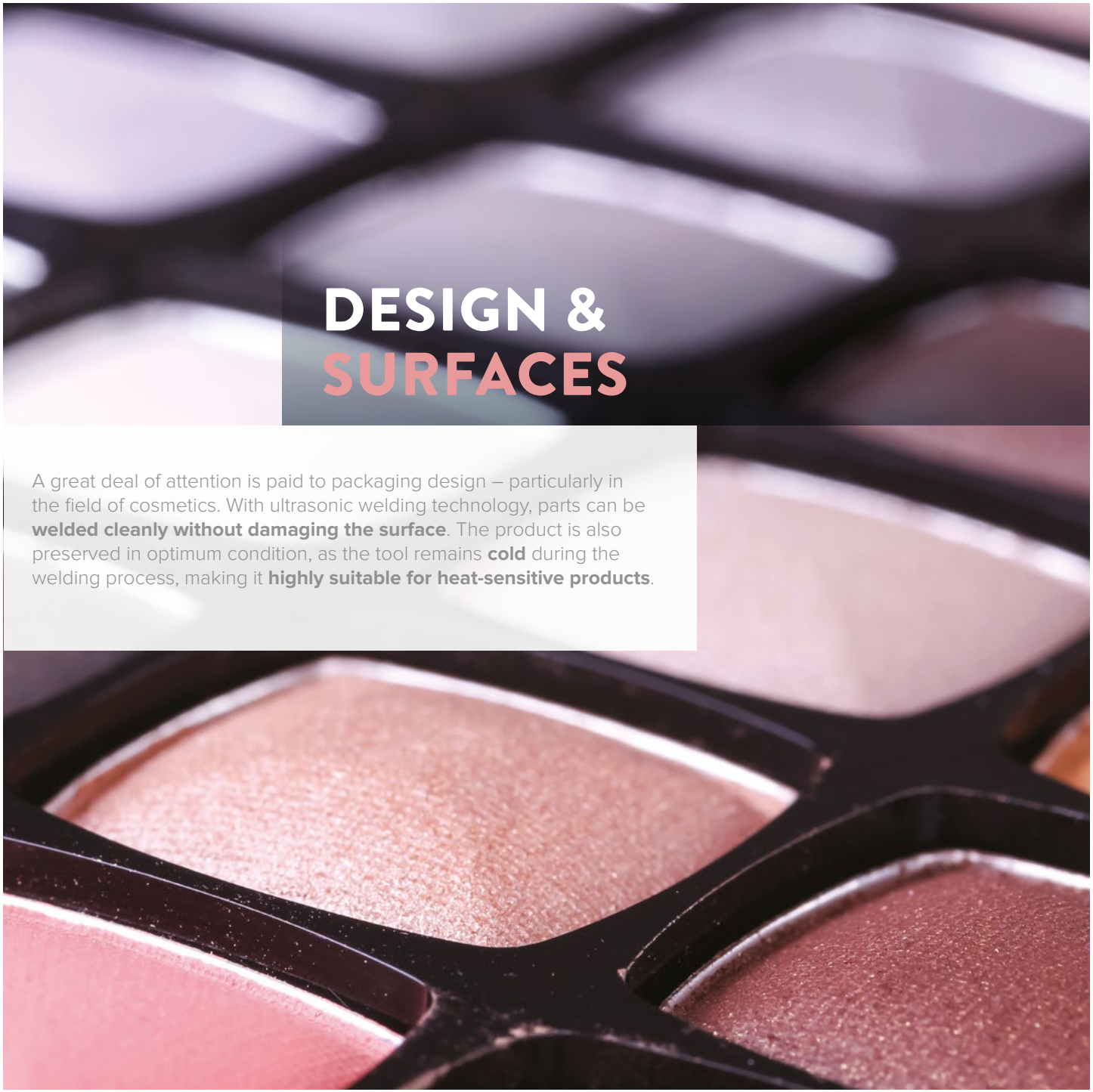
Australia
Free Phone: 1800 148 791
info@rincoultrasonics.com.au

www.rincoultrasonics.com.au

New Zealand
Free Phone: 0800 603 603
info@rincoultrasonics.co.nz
www.rincoultrasonics.co.nz

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

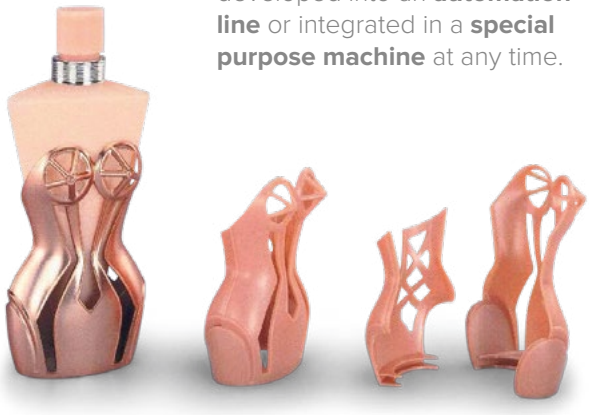
CLEAN SEALED SEAMS USING ULTRASONIC TECHNOLOGY

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

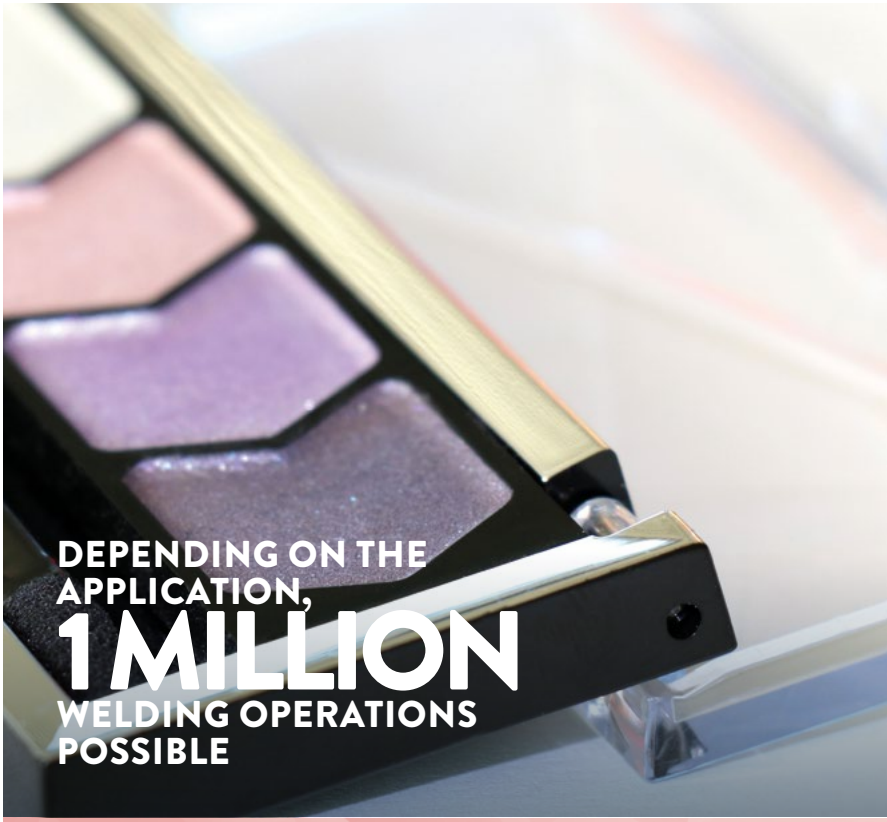
Our tools are custom-developed and calculated and simulated using **FEM analysis**. They are made from select materials and are therefore also suitable for **cleanrooms**. Their high quality guarantees a long service life. Thanks to our **quick-change system**, tools can be replaced **within just a few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



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.

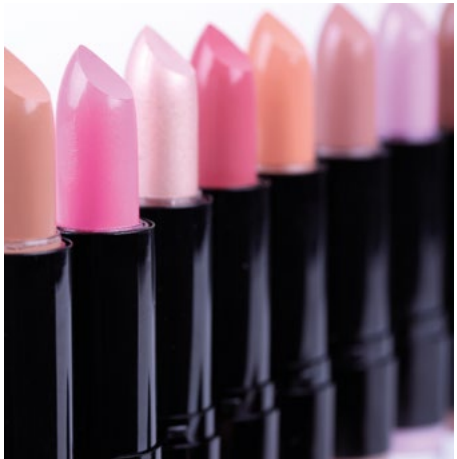
RINCO ULTRASONICS offers tailored solutions where there is a need for a high degree of efficiency and precision, a high processing speed, reproducibility, as well as a manageable investment volume. This also includes pilot trials in the laboratory, which involve testing the product and developing optimal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

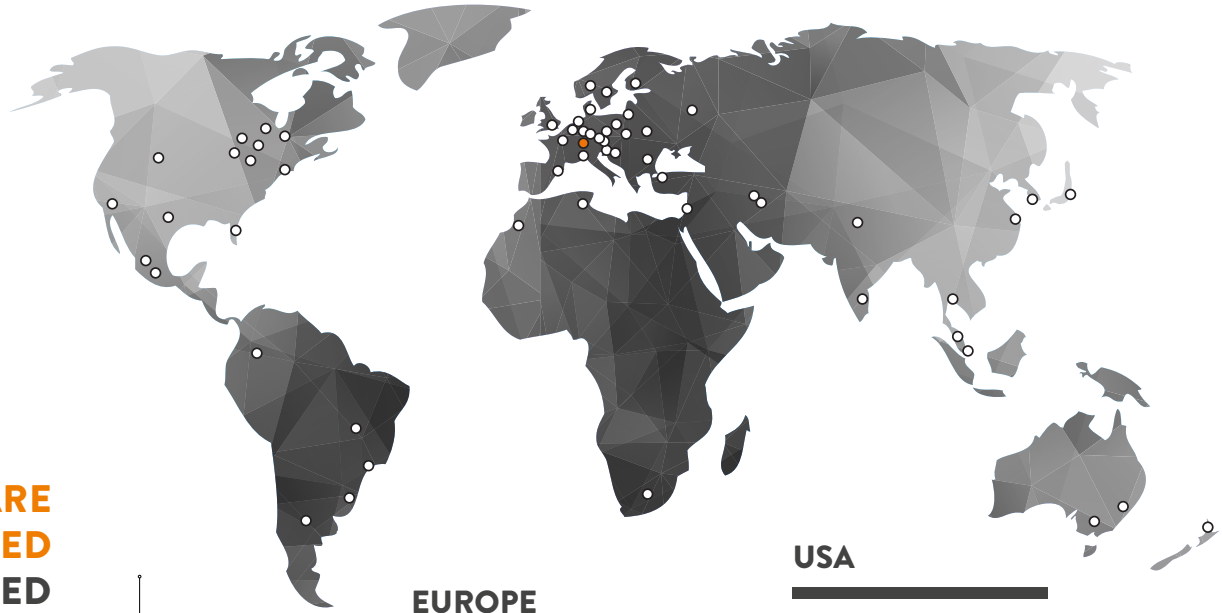
We also invest our many years of experience into the development of new and innovative products, and this guarantees our customers the ideal solution to meet their requirements every time. Our company is also certified in accordance with ISO 9001, ISO 13485 and ISO 14001, and is therefore familiar with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

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.





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