

Two frequencies. One machine. Countless applications

Ultrasonic technology rethought: **iSONIC ECO TM**

The iSONIC ECO TM combines everything that modern production processes require: a compact, modular design combined with a powerful, purely electric stepper drive - completely without compressed air. This makes it maintenance-free, cost-efficient and particularly environmentally friendly. Two integrated frequencies and innovative interchangeable holders offer a wide range of possible applications - whether welding, punching, embossing or riveting. Ideal for the automotive industry, plastics processing, technical textiles and the packaging and food industries.

Ultrasonic in perfection – Energy-efficient & flexibly applicable

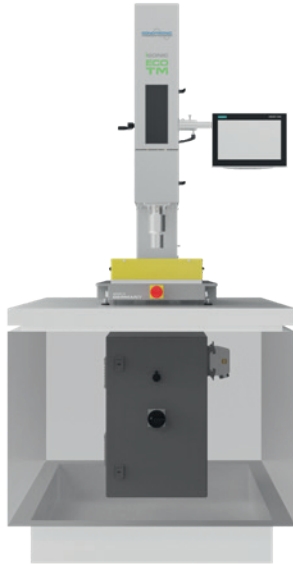
The iSONIC ECO TM offers modern technology in a compact design. The swivelling 12-inch touch display enables intuitive operation and clear visualization. All electrical components are housed in the external control cabinet to save space. This keeps the machine slim, flexible to set up and particularly easy to transport - and thanks to plug-in connections, it is ready for operation in no time at all.

Compared to traditional thermal processes, ultrasonic scores with significantly higher energy efficiency: no warm-up time is required, which saves time and resources. If the application requires it, thermal or contactless welding methods can also be added – for maximum versatility.

| Benefits |
|---|
| 100 % electric - no compressed air no maintenance required |
| Compact design - ideal for limited production areas |
| Two ultrasonic frequencies - flexible use for a wide variety of materials |
| Modular & mobile - external com ponents, pluggable connections |
| Intuitive operation - 12" touch display with clear visualization |
| Energy efficient - no warm-up time time, low operating costs |

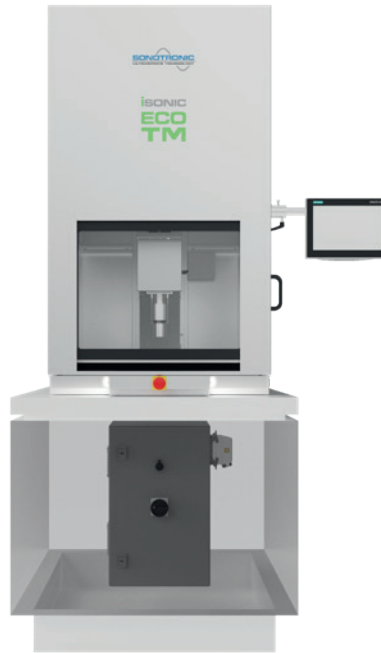


Accessories for maximum flexibility of the **iSONIC ECO TM**



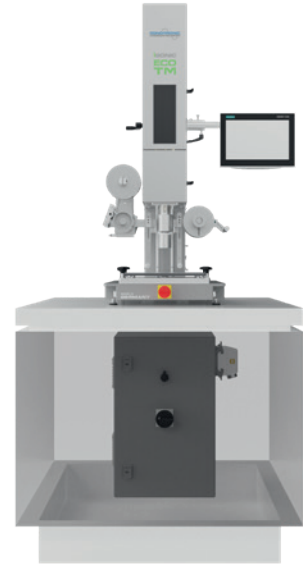
With sliding table

For ergonomic positioning of the components under the probe



With sound insulation hood

To reduce the noise emission



With film feed unit

For the protection of sensitive component surfaces

| Technical data | | | | |
|------------------------------------|--|------------------|--------------|--------------------|
| Operating frequencies* | 20 kHz | | 30 kHz | 35 kHz |
| Output power [W] | 1.000 / 1.500 / 2.000 | 3.000 / 4.000 | 2.000 | 400 / 800 / 1.200 |
| Electrical connection | 230V AC + PE | 3 x 400V AC+N+PE | 230V AC + PE | 230V AC + PE |
| Mains frequency | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Power consumption | 4,3A / 6,5A / 8,7A | 4,3A / 5,7A | 8,7A | 1,7A / 3,5A / 5,2A |
| Electrical welding force | 50 N – 2.100 N Depending on the drive variant | | | |
| Working stroke Welding head | 100 mm | | | |
| Height adjustment of welding unit | 200 mm | | | |
| Dimensions iSONIC TM [WxDxH] | 690 mm x 1150 mm x 730 mm | | | |
| Control cabinet dimensions [WxDxH] | 380 mm x 600 mm x 350 mm | | | |
| Workpiece clamping plate | 300 mm x 300 mm x 12 mm | | | |
| Weight iSONIC ECO TM | 150 kg | | | |
| Switch cabinet weight | max. approx. 40 kg (depending on configuration) | | | |

*Optional conversion of the operating frequencies by exchanging the ultrasonic components

