



Product Sheet

iSONIC ECO HSG

Category: Welding machines

Mobile ultrasonic welding – compact, powerful and flexible

iSONIC ECO HSG is a handy handheld system for fast and reliable ultrasonic welding – perfect for small-scale production, repairs and post-processing of thermoplastic materials. With quick tool change, built-in cooling and a robust aluminium housing, it delivers stable performance in all environments. Supplied as a complete kit with generator, tools and protective case.

- Ergonomic design for precise control
- Durable cast aluminium casing
- Kink-resistant cable for longer life

Product description

iSONIC ECO HSG – Everything you need for mobile ultrasonic welding

The iSONIC ECO HSG handheld welding machine is highly flexible and enables efficient ultrasonic welding – anywhere, anytime. It is ideal for small-scale production, repairs and post-processing of thermoplastic materials. Spot welding, riveting and cutting can be carried out quickly and reliably with the handheld tool.

The kit includes the compact iSONIC WAVE HSG with a robust aluminium housing, a powerful ultrasonic generator, ultrasonic tools and a protective case for safe storage and easy transport.

Standard machine concept

The handheld welder has a quick-change system for the oscillating unit and built-in sonotrode cooling, which prevents overheating and enables continuous operation – whether for small-scale production, manual workstations or repairs.

Description

- Ergonomic design for precise sonotrode control
- Robust cast aluminium housing for demanding environments
- Can be hung in a balance system
- Kink-protected cable on the handheld tool
- Detachable mains connection on the generator

Technical Specification

Machine Specifications

• Work frequency	35 kHz
• Output power	400 / 800 / 1,200 W
• Mains voltage	230 V
• Compressed air	6 bar
• Dimensions without sonotrode	50 × 263 × 193 mm
• Weight, handheld welding tool	approx. 0.95 kg
• Weight, generator with casing	6.5 kg