



Hand-held sonotrode for ultrasonic welding

The hand-held sonotrode is designed for manual spot welding (bonding) of thermoplastic materials with ultrasonic energy: knitted, woven and non-woven materials such as: nylon, polyester, polypropylene, acrylic, some vinyls, urethane, filter materials and synthetic blends. The process of ultrasonic welding (bonding) allows assembling of details by using the appropriate ultrasonic frequency, sonotrode and generator. This welding technology is applicable for details that cannot be assembled in any other way or if manual assembling is required. The shape of the sonotrode's tip may be different, according to the requirements of the technological process or the material.

Hand_welder_1067



The hand-held sonotrode for ultrasonic welding (bonding) is light and handy, suitable for left- or right-handed operation. It is equipped with simple air-cooling system, which prevents the device from heating and the palm from sweating and this way facilitates the control and precise operation.

The ultrasonic hand-held sonotrode is equipped with an ultrasonic generator type Soonic HpW. The horn and the handle are

made of high—quality materials, that ensure long life and smooth operation. Basic characteristics:

Speed of welding: approximately 5 seconds, depending on the material and the required results.

The ultrasonic technology ensures strong and high-quality welding between the assembled parts without using additional materials.

Technical Parameters:

Power supply	230VAC/ 50-60 Hz
Frequency	25, 40 kHz
High-frequency output power	800 W
Peak ultrasonic power	1200 W
High-frequency ourput voltage	500 Vrms
Overall dimensions (with packing)	300x340x350 mm