



ULTRAUTOSONIC are Manufacturers, Suppliers, and Exporters of Ultrasonic Plastic Welding Hand Gun. We designed the ultrasonic welding handgun for plastic parts in different industries like automotive, electronics, medical, packaging, textile, toy, Aerospace, etc.

ULTRAUTOSONIC introduces our latest innovation in Ultrasonic Plastic Welding Hand Gun, which are devices used in industrial manufacturing processes to join thermoplastic materials together using ultrasonic vibrations. The process involves applying high-frequency ultrasonic vibrations to the materials being welded, which generates heat through friction at the interface of the materials. This localized heat causes the plastic to melt and form a bond when pressure is applied.

SPECIFICATION

Frequency (kHz)	20	30	40
Power (Watt)	1000 / 1500	600	500
Horn	Design as per the customized application		
Actual Weight	Approx. 18 kg	Approx. 10 kg	
Actual Size (L X W X H)	Approx. (483 x 458 x 238) mm		Approx. (360 x 213 x 287) mm
Packaging Type and Size	Corrugated Box and Approx. Size (581 x 556 x 336) mm		Corrugated Box and Approx. Size (458 x 311 x 385) mm

Operational Requirement

Input Power Supply	AC 230V 50/60Hz, 6Amp
CVT / Stabilizers	If the voltage is unstable then use CVT / Stabilizer to avoid damage

FEATURES

- 1. Ultrasonic Generator :** This is the heart of the machine, producing high-frequency electrical energy which is then converted into mechanical vibrations.
- 2. Transducer :** These vibrations are then transmitted to the plastic parts to be welded.
- 3. Amplitude Adjustment :** Many machines allow adjustment of the amplitude of the ultrasonic vibrations. This helps optimize the welding process for different materials and joint configurations.
- 4. Horn (Sonotrode) :** The horn amplifies and transfers the ultrasonic vibrations from the transducer to the plastic parts. It's designed to match the shape of the joint to ensure proper energy transmission.
- 5. Timer Setting**

ADVANTAGES

1. Plastic welding processes can often be completed quickly, leading to improved production efficiency.
2. Welding can be done in a single step, reducing assembly time and increasing throughput.
3. Plastic welding hand gun machines are compact and lightweight, allowing for easy manoeuvrability and operation in various settings, including confined or hard-to-reach spaces.
4. Plastic welding hand gun can be safer for operators and the environment, particularly when using techniques like ultrasonic or hot plate welding.

APPLICATION

- ◆ Bumper
- ◆ Cooler
- ◆ Logo
- ◆ Moulding Food Container
- ◆ Packaging Container
- ◆ Plant Container
- ◆ Plant Inserts For Garden
- ◆ Plastic Toy
- ◆ Plastic Garden Equipment
- ◆ Plastic Knob
- ◆ Plastic Plant Container
- ◆ Safety Glasses



Bumper



Cooler



Moulding Food Container



Logo



Packaging Container



Plastic Container



Plant Inserts For Garden



Plastic Garden Equipment



Plastic Knob



Safety Glasses



Logo



Plastic Toy



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ULTRAUTOSONIC LLP

World Class Ultrasonic Equipments Manufacturer & Exporter

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