



# SHEETAL ENTERPRISES

LL-2, Avani Plaza, Satellite Towers, Opp H.P Petrol Pump,  
Satellite, Ahmedabad - 380015. Gujarat, India.

Tel: +91-79-40033558 | Mobile: +91-9374021441 +91-7202021441  
Email: ultrasonicweldingindia@gmail.com | Website: www.ultrasonicweldings.net

## Ultrasonic Plastic Welding Machine 20khz (SE-2018)



SE standard series Free tone frequency automatic frequency control system.  
Ultrasonic frequency 20kHz output power of 1800Watt  
Desktop machine with oscillation box (optional purchase station work tables).  
The ultrasonic welding mold design and production according to the workpiece.  
Equipment for the welding of thermoplastic plastic.



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## Instructions

- Load are resonant load.
- The output stepless adjustment (LED).
- The dual fuse protection, replacement parts and long life.
- The frequency counter display, frequency glance.
- The exclusive use of MOS-FET high-tech electronic components.
- Slow charging boot, automatic calibration frequency.
- Limit welding systems. welding after the workpiece will not spill glue.
- The time is not working because of mold temperature affect the reson ance frequency ultrasound.
- Japan NTK series transducer, imported cylinder, strong power, good stability

## Technical Data

Model	SE- 2018
Brand	Sheetal Sonic
Technology	Ultrasonic
Accurancy	Good
Efficiency	Excellence
Voltage	200-240V/50-60Hz
Power	1800Watt
Frequency	20Khz
Weight	101KG
Dimensions	540L*400W*1050H
Welding time	0.01-9.99S



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- Gently press sonic control switch, then welding can hear the hair out of the sound waves transmitted to the horn "creak" sound, indicating that the unit is working properly, you can put into use.
- The machine at work abnormal, do not open the device, please inform the supplier or manufacturer of the equipment sent for inspection.
- Before the operation, be sure to do testing, to determine the frequency generator and transducer system consistent with the mechanical resonant frequency. Especially after the replacement of the welding head or change the output amplitude, not neglect.
- Debugging:
  - A. Portable ultrasonic plastic welding machine has been debugged before leaving the factory, without exception, the power is turned on, adjust the welding time to the appropriate location can be used directly.
  - B. Fault analysis: Failure phenomenon caused by reasons when the system is connected to the power, the power line short fuse blows when the power switch is turned on, the power light does not shine (1, power is not really connected; 2, rectifier bridge bad);
  - C. The power switches lights or bad;
  - D. The fuse is blown;



## Advantages

- One end of the cable to the oscillation output control cable connector tube on the other end to the back of the box output control cable outlet and tighten.
- The welding head connection surface wipe, connected to the transducer oscillation tube, and lock with the wrench.
- Note: When the connection between the welding head must ensure that the transducer two connection faces agree, and locking. Not be too long or because the connection screw locking phenomenon cannot slip teeth, otherwise the sound waves caused by poor transfer damage to the unit.
- Must be used when handling welding head to weld two wrench head and transducer were stuck, cannot be only one part of the card lock or handling, so as not to cause damage to the hand-held oscillation cylinder.
- Check the 1,2 point is properly installed, the power cord plugged into an external power socket outlet, and flip the power switch, then the power indicator light.

