RTUL™

High Efficiency

Advanced Welding Generators

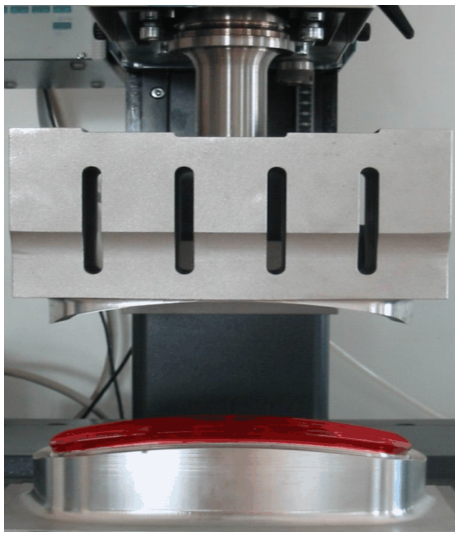
POWERHOUSE OF ULTRASONIC TECHNOLOGY®

Ultrasonic Generator AWG 20

Efficient Performance with minimum welding time 250MS

Ultrasonic welding technology has become a popular and important component in modern manufacturing processes that involve the joining of thermoplastics. Many mechanical automation and engineering companies depend on our expertise for building machines for welding and cutting thermoplastics. Robust and reliable ultrasonic components like state of the art generators, ultrasonic converters, boosters and Sonotrodes are essential for this.

RTUL's ultrasonic welding components is designed & developed for simple and complex welding and cutting tasks in production lines, and special systems. All ultrasonic components receive a 100% quality check and are made at our various production and R&D centers worldwide. Complex applications can be reliably implemented due to the comprehensive configuration & constant upgradation of instruments.



Unique features & benefits:

- Friendly GUI
- 7" Color touch screen
- Latest MCU controlled
- Compact design
- Real time average & maximum power meter gauge
- Real time frequency monitoring
- Real time monitoring of faults & warnings messages & indications
- Inbuilt weld counters
- All device parameters monitoring & configuration setup interface
- Programmable plastic welding machine control
- Pulse & continuous modes of operation
- Internal & external amplitude control option (50 – 100 %)
- Over current, over voltage & settable power overload protection
- Inbuilt RTC

Advanced features:

- LED version option
- SD card interface for inbuilt data storage
- USB interface for external data storage
- RS485 Modbus interface for PLC/PC communication
- Ethernet interface for PC communication
- Bluetooth interface for Android devices
- Android application
- High ended PC application

20 kHz & 36 kHz

Up to 5000 W Power Output

155 x 405 x 335 mm

Ultrasonic Generator AWG 35

Technical Specifications

Parameter	Value
Type	AWG 35
Frequency	35 kHz
Ultrasonic Power	1000 W
Weld modes	Time, Energy , Hand & Actuator
Interfaces	Local control (SPS) - (AWG 35) Web Interface - (AWG 35) Actuator Control (direct) - (AWG 35) RS 485 - All
Halt Conditions	Max power, Max energy, Max time Max temperature & Max distance
Local control	2.3” monochrome display 15 key control
Data Set	16 presents
Net Input	230V, 50 Hz
Ultrasonic Converter	1000 W
Weight	3.5 Kg
Dimensions	Rack mount: 106 x 128 x 446mm, 19 Rack, 21 TE/3TE, Panel mount: 96 x 110 x 530mm

Actuator

Sensor Interfaces	Force IN Pressure IN Distance IN sensor Pressure OUT control	0-10V sensors, 0-10V sensors Differential RS422 length 0-10V servo-Pneumatic
Start trigger	Delay, upper end switch, Lower end switch, Force, pressure & distance	
Stop trigger	Ultrasonic time, ultrasonic energy, Lower end switch, distance absolute & Distance relative	
Post cycle parameter	Hold-time, cooling air & shake-off Impuls	

Converters and Boosters

Features & benefits:

- Fully enclosed convertor with standard integrated cooling system and connection hood for full turning capacity of 360 Degree
- Novel Booster mounting system for maximum rigidity
- Five standard boosters with transformation ratio of: 0.5/1/1.5/2/2.5
- The whole assembly designed as a “snap-in-unit”
- Ideally suited for installation in special and automatic machines
- Titanium Booster

Ultrasonic Technology for a wide variety of Plastic Welding Applications

ROOP ULTRASONIX LIMITED

Regd. Off: A/41, Nandkishore Industrial Estate, Off Mahakali Caves Road, Andheri (E), Mumbai - 400 093.
Corporate Office: 803, C Wing, 32 Corporate Avenue, Off Mahakali Caves Road, Andheri (E), Mumbai - 400 093.
Tel: 022-42111500, Fax: 42111505, Email: support@rtulgroup.com, Web: www.rtulgroup.com