new Model GX-Series

Sonics & Materials, Inc.



40 kHz and 20 kHz Power Supplies for Ultrasonic Plastics Welding



new Power

Now available in:

- 40 kHz 400 watts and 800 watts
- 20 kHz 1200 watts, 1700 watts, 2200 watts and 3300 watts

new Features

- Automatic Frequency Tuning
- Digital Amplitude Control
- Ultrasonic Horn/Stack Frequency Display
- Good Part/Bad Part Output Signal

new Models

Weld by: digital time - Model GXT

digital time and/or constant energy - Model GXE digital time, constant energy and/or distance - Model GXL*

*Requires optional linear encoder

STANDARD FEATURES INCLUDE:

- Multiple Job Storage
- Digital Force Triggering
- · Calibration Pulse Prior to Every Weld Cycle
- Back-Lit LCD Display
- · Ultrasonics Load Meter Scale
- Upper and Lower Weld Limit Settings
- RS232 Serial Port Printer Output
- Optional PLC I/O (Input/Output) Ports
- Soft Start Overload Protection Circuitry
- Load Regulation Circuitry
- Optional Linear Encoder for Distance Welding (distance mode settings in English or metric units)

Leaders in the field of ultrasonic plastics welding equipment and technology since 1969, Sonics & Materials introduces its powerful new line of **GX-Series** ultrasonic generators, featuring stateof-the-art technological advances in control, power and ease-of-use. Designed for Sonics' 40 kHz and 20 kHz welding frequencies, these power supplies provide automatic frequency tuning (matching the generator to the "stack" frequency) and a convenient horn frequency and wattage display.

The new GX-Series delivers microprocessor control and consistent reliability for every application and features smart-logic, user-friendly navigation. The power supplies are available in three different welding mode configurations for maximum versatility and flexibility.

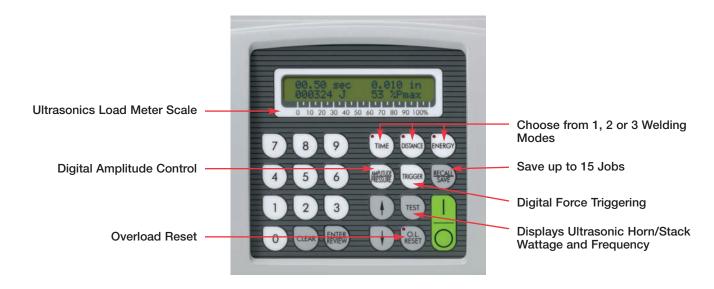
Corporate Headquarters 53 Church Hill Road Newtown, CT 06470 USA 203.270.4600 800.745.1105 203.270.4610 fax info@sonics.com www.sonics.com



For more information: 1-800-745-1105 • www.sonics.com

Model GX-Series Power Supplies

Keypad Features and Functions



Available Systems and Power Ratings for 40 kHz and 20 kHz Welders



40 kHz Model 4095 Press and GX-Series Power Supply



20 kHz Model 2050 Press and GX-Series Power Supply



20 kHz Model 2055 Press and GX-Series Power Supply

Power Supply Model	Power Rating Frequency	Press Model
GXT, GXE or GXL400-40	400 watts - 40 kHz	Model 4095
GXT, GXE or GXL800-40	800 watts - 40 kHz	Model 4095
GXT, GXE or GXL1200-20	1200 watts – 20 kHz	Model 2050 (GXT, GXE or GXL) Or 2055 (GXT or GXE only)
GXT, GXE or GXL1700-20	1700 watts – 20 kHz	Model 2050 (GXT, GXE or GXL) Or 2055 (GXT or GXE only)
GXT, GXE or GXL2200-20	2200 watts – 20 kHz	Model 2050 (GXT, GXE or GXL) Or 2055 (GXT or GXE only)
GXT, GXE or GXL3300-20*	3300 watts - 20 kHz	Model 2050 (GXT, GXE or GXL) Or 2055 (GXT or GXE only)

*3300 watt power supply is larger than units shown above

Note: For distance welding, GXL power supplies are only compatible with Models 2050-20 kHz and Model 4095-40 kHz presses when equipped with optional linear encoder.

15 kHz Systems: GX-Series Power Supplies are also available for 15 kHz systems. For more information go to http://www.sonics.com/pa-ultra-15.htm

Continuous Duty Systems: A continuous duty GX-Series Power Supply is also available. For more information call 1-800-745-1105.



Specifications subject to change without notice.

Not responsible for typographical errors.

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