



# SONICS®

## new Model GX-Series

### 40 kHz and 20 kHz Power Supplies for Ultrasonic Plastics Welding



## more Power Features

Sonics & Materials, Inc.

#### 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 state-of-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.

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## 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.



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