



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.

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

European Office
 13, Rue Pre-de-la-Fontaine
 CH-1217 Meyrin/Satigny
 Switzerland
 (41) (0) 22/364 1520
 (41) (0) 22/364 2161 fax
 europe@sonicsandmaterials.ch
 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.



SONICS®

© 2008 Sonics & Materials, Inc.

Specifications subject to change without notice.

Not responsible for typographical errors.

Printed in U.S.A.
2.5M/03/08

Registered by UL to ISO 9001



Sonics & Materials, Inc.