Leaders in the field of ultrasonic plastics welding equipment and technology since 1969, Sonics & Materials offers its new line of GX-Series ultrasonic power supplies, combined with the model 4095 press, to provide a fast, precise process for delicate assemblies that require mild ultrasonic horn vibrations.

The new GX-Series, available in 400 and 800 watts power, provides microprocessor control and consistent reliability for every application. Power supplies feature smart-logic, user-friendly navigation and are available in three different welding mode configurations for maximum versatility and flexibility.

**Power Supply**

- **Dimensions:** 15.25" W x 6.50" H x 18.75" D (387.3 x 165.1 x 476.3 mm)
- **Weight:** 21 lbs. (9.5 kg)
model 4095 features

- Rigid Cast Aluminum Base and Column Hub
- Single Rail Linear Slide
- Direct In-Line Air Cylinder
- Easy Access Pneumatic Pressure Control
- Easy Access Head Up and Down Pneumatic Speed Control
- Head Adjust Counter Balance Spring
- Linear Encoder for Distance Welding (optional)

specifications, additional features, and options

Head Adjust Counterbalance Spring  Standard
Dual Cycle Start Buttons Standard
Non-Contact Cycle Start Buttons Optional
Front Emergency Stop Standard
Precision Air Regulator and Gauge Optional
Adjustable Positive Stop Standard
Automation Limit Switches Optional
360° Snap-In Stack Assembly Standard
Rigid Mount Booster Optional
Stand Alone Column Hub Optional
Extended Length Column Optional
3.50" (88.9) Column Diameter Standard
3.00" (76.2) Stroke Air Cylinder Standard
Air Cylinder Bore Diameter 1.5" (38.1)
Clamping Force at 90 PSIG 161 lbs. (716n)
Input Voltage (standard) 220 VAC
Optional Input Voltage 120 VAC
Weight 126 lbs. / 57.2 kg

All Dimensions: Inches (mm)

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Printed in U.S.A.  1M/11/11
Leaders in the field of ultrasonic plastics welding equipment and technology since 1969, Sonics & Materials offers its new stepper-motor driven e-Press Touch, combined with a unique touch-control power supply with built-in stepper controller. The new system produces repeatable, precision welds to a weld depth tolerance of +/-0.0003 in. (0.008 mm).

The advanced power supply provides superior microprocessor control and consistent reliability, along with an array of convenient networking and plotting features. Power supplies feature smart-logic, user-friendly navigation with touch controls plus enhanced features such as frequency display and digital amplitude control.

Power Supply with built-in Stepper Controller
Dimensions: 10" W x 9.5" H x 24.75" D (254 x 241.31 x 628.65 mm)
e-Press features

- Single Piece Rigid Cast Aluminum Machine Base and Column Hub
- In-line Load Cell for Precise Force Trigger
- Linear Ball Screw Actuator
- Single Rail Linear Slide
- Rigid Mount Booster Technology

specifications, additional features, and options

<table>
<thead>
<tr>
<th>Feature</th>
<th>Option/Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Cycle Start Buttons</td>
<td>Standard</td>
</tr>
<tr>
<td>Non-Contact Cycle Start Buttons</td>
<td>Optional</td>
</tr>
<tr>
<td>Front Emergency Stop</td>
<td>Standard</td>
</tr>
<tr>
<td>Head Adjust Counter</td>
<td>Standard</td>
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<tr>
<td>Balance Spring</td>
<td>Standard</td>
</tr>
<tr>
<td>Automation Limit Switches</td>
<td>Optional</td>
</tr>
<tr>
<td>360° Snap-In Stack Assembly</td>
<td>Standard</td>
</tr>
<tr>
<td>Rigid Mount Booster</td>
<td>Standard</td>
</tr>
<tr>
<td>Stand Alone Column Hub</td>
<td>Optional</td>
</tr>
<tr>
<td>Extended Length Column</td>
<td>Optional</td>
</tr>
<tr>
<td>3.75” (95.3) Column Diameter</td>
<td>Standard</td>
</tr>
<tr>
<td>3.5” (89 mm) Max Stroke</td>
<td>Standard</td>
</tr>
<tr>
<td>Weight</td>
<td>210 lbs. / 95 kg</td>
</tr>
</tbody>
</table>

power requirements

**Power Supply:**
- 1200 watt: 220 VAC
- (110 VAC Optional)
- 2200 and 2500 watts: 220 VAC

**EP controller:**
- 110 VAC

*NOTE: These dimensions apply to 20 kHz model only.*