new POWER
Now available in:
15 kHz  2500 watts
20 kHz  1200 watts
20 kHz  2200 watts
30 kHz  1200 watts
40 kHz  800 watts

new FEATURES
• Precision controlled weld depth tolerance of +/- 0.0003 in. (.008 mm)
• Electric stepper motor drive/optical encoder
• Programmable digital force, velocity, distance
• Touch screen technology with dynamic full-color menus
• Virtual Network Computing (tablets/PC’s)

STANDARD FEATURES INCLUDE:
• Automatic Frequency Tuning
• Graph Plotting
• Uploadable Event Logging
• Trend Capture / Plotting
• Weld to Peak Power
• Calibration Pulse Prior to Every Weld Cycle
• Weld Set-up Wizard
• Ultrasonics Load Meter Scale
• Absolute and Incremental Distance Modes
• Printer Data Log Output
• Optional PLC I/O (Input/Output) Ports
• Soft Start Overload Protection Circuitry
• Load Regulation Circuitry

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. (.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>Description</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>
</tr>
<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>

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

dimensional data

All Dimensions: Inches (mm)

power requirements

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

**EP controller:**
- 110 VAC