

# more Power Features

## 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



**SONICS**<sup>®</sup>  
SONICS & MATERIALS, INC.

## e-Press TOUCH

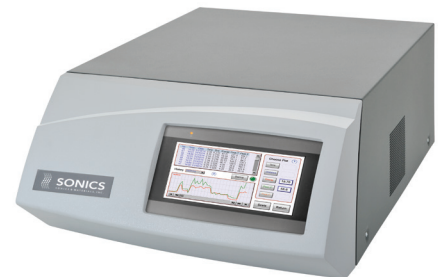
### ultrasonic electropress™

15 kHz/20 kHz/30 kHz/40 kHz

*high precision plastics welder  
with touch control*



Power Supply with built-in Stepper Controller



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)

for more information: 1-800-745-1105 [www.sonics.com](http://www.sonics.com)

Innovating  
since

1969

## dimensional data

All Dimensions: Inches (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

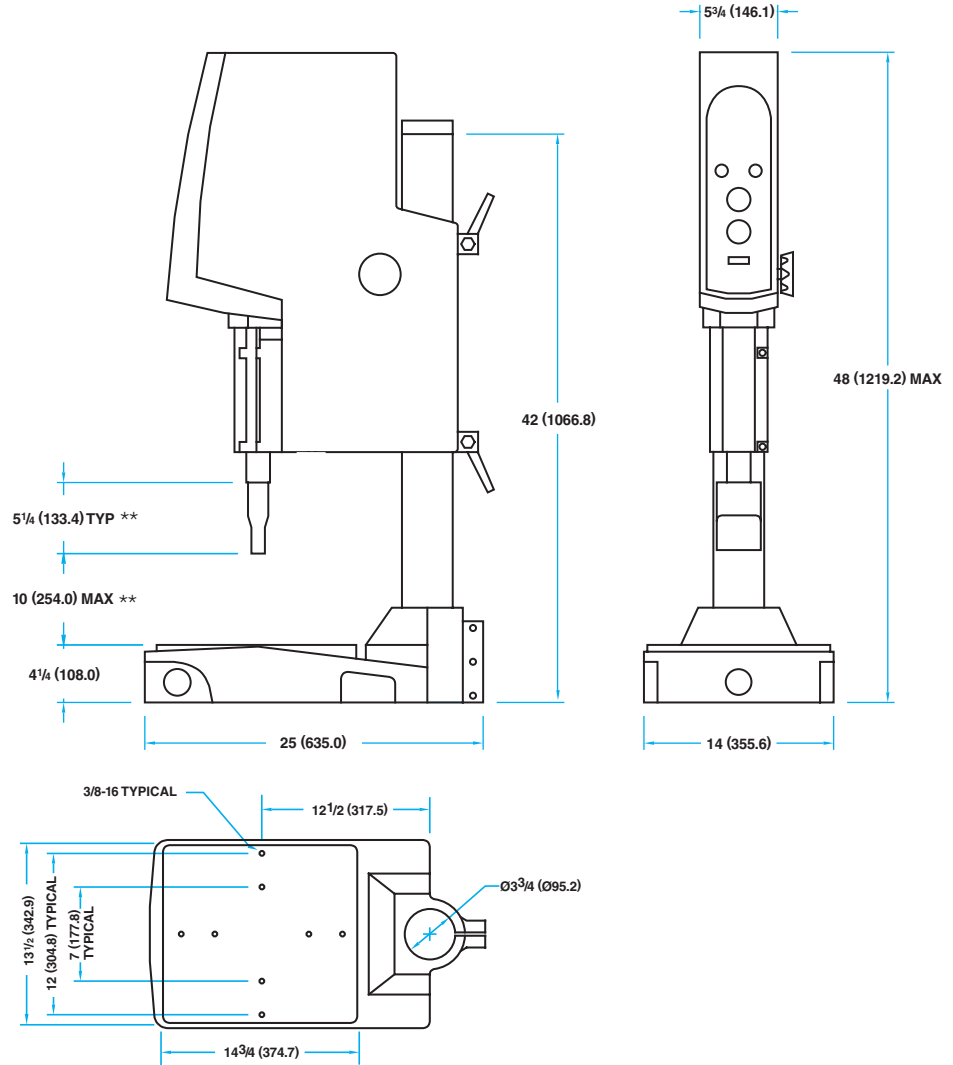
|                                 |                     |
|---------------------------------|---------------------|
| Dual Cycle Start Buttons        | Standard            |
| Non-Contact Cycle Start Buttons | Optional            |
| Front Emergency Stop            | Standard            |
| Head Adjust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

### power requirements

#### Power Supply:

|                     |                               |
|---------------------|-------------------------------|
| 1200 watt           | 220 VAC<br>(110 VAC Optional) |
| 2200 and 2500 watts | 220 VAC                       |

**EP controller** 110 VAC



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