The new 20 kHz model P203 integrated welder is an all-in-one super-rigid ultrasonic press that combines power, versatility and microprocessor control in one convenient unit. The P203 welder easily handles significantly larger part size and force requirements and delivers consistent reliability for every application.

The built-in microprocessor with easy-access front-panel keypad provides streamlined smart-logic navigation through user-friendly welding mode controls and displays.

**STANDARD FEATURES INCLUDE:**

- Automatic Frequency Tuning
- Back-Lit LCD Display
- Weld, Hold, Delay and Afterburst Timers
- Digital Wattage Display
- Ultrasonics Load Meter Scale
- Upper and Lower Weld Limit Settings
- Soft-start Overload Protection Circuitry
- Load Regulation Circuitry

**Features**

- Digital Time and/or Constant Energy Weld Modes Available
- Front Panel Pneumatic and Microprocessor Controls
- Digital Amplitude Control
- Ultrasonic Horn/Stack Frequency Display
- Single-piece Rigid Cast Aluminum Machine Base and Column Hub

**Models**

**Available in:**

- 1200 watts — *Model P203-12*
- 2200 watts — *Model P203-22*
## P203 Press Features

- Single Piece Rigid Cast Aluminum Machine Base and Column Hub
- Super-rigid 3.75\" Steel Column Diameter with 0.5\" Wall Thickness
- Single Rail Linear Slide
- Direct In-Line Air Cylinder
- Front Panel Pneumatic Speed and Pressure Controls
- Microprocessor with Front Panel Keypad

## Specifications, Additional Features, and Options

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</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 Balance Spring</td>
<td>Standard</td>
</tr>
<tr>
<td>Adjustable Positive Stop</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>Optional</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>4&quot; (101.6) Stroke Air Cylinder</td>
<td>Standard</td>
</tr>
<tr>
<td>Air Cylinder Bore Diameter</td>
<td>2.5&quot; (63.5)</td>
</tr>
<tr>
<td>Clamping Force at 90 PSIG</td>
<td>441 lbs. (1961n)</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>220 VAC</td>
</tr>
<tr>
<td>Weight</td>
<td>180.5 lbs. / 81.9 kg</td>
</tr>
</tbody>
</table>

## Dimensional Data

### All Dimensions: Inches (mm)

#### P203 Press Features

- 5\¼ (133.4) TYP
- 10 (254.0) MAX
- 4\¼ (108.0)
- 25 (635.0)
- 42 (1066.8)

#### Optional Stand-Alone Hub

- 5\¼ (146.1)
- 48 (1219.2) MAX
- 7\½ (190.5)
- 5 (127.0)
- 14 (355.6)
- 4\½ (114.3)
- 3\½-16 TYPICAL
- 1\½ (38.1)
- 7\½ (190.5) TYPICAL
- 12\½ (317.5)
- 14\¼ (361.3) TYPICAL
- 3\½ (95.2)
- 1\¼ (31.8)
- 1\½ (38.1)

## Optional Stand-Alone Hub