

PAS

PLASTIC ASSEMBLY SYSTEMS

Model HS20 Ultrasonic Welding System

PAS offers its new line of SS-Series ultrasonic power supplies, combined with the super-rigid Model HS20 press, to create a powerful new 20kHz system designed to handle even the most demanding applications.

The new SS-Series provides microprocessor control and consistent reliability for every application, and delivers more output power to the Model HS20 press, easily handling significantly larger part size and force requirements. Power supplies feature smart-logic, user-friendly navigation and are available in three different welding mode configurations for maximum versatility and flexibility.

Standard Features

- Multiple Job Storage
- Digital Force Triggering
- Calibration Pulse Prior to Every Weld Cycle
- Back-Lit LCD Display
- Ultrasonic 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
- Distance Mode Settings in English or Metric Units (Model FS20 only)
- Power Available in 1200 watts; 1700 watts; 2200 watts
- Digital Amplitude Control
- Ultrasonic Horn/Stack Frequency Display
- Good Part/Bad Part Output Signal
- Weld by: Digital Time - Model SST

Digital Time and/or Constant Energy - Model SSE

*Digital Time, Constant Energy and/or Distance -
Model SSD *Available with FS20 press only*



SS-Series Power Supply
Dimensions: 15.25" W x 6.50" H x 17.00" D
(387.3 x 165.1 x 431.8mm)
Weight: 21 lbs. (9.5kg)



WE SUPPLY SOLUTIONS!

THERMAL ASSEMBLY EQUIPMENT • SPIN WELDERS • ULTRASONIC WELDERS • VIBRATION WELDERS
HOT PLATE WELDERS • CUSTOM ASSEMBLY SYSTEMS • PRE-OWNED EQUIPMENT

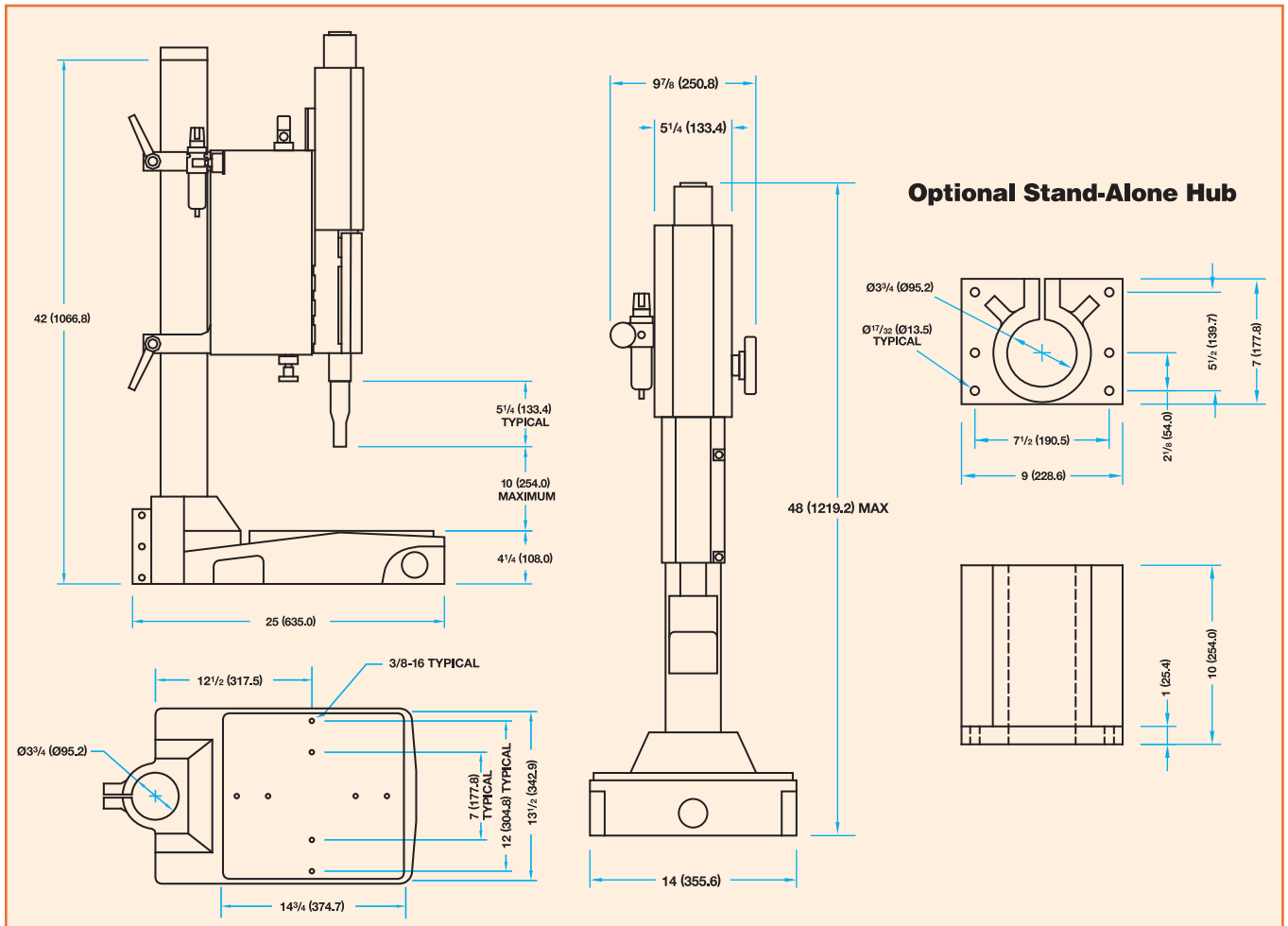
Model HS20 Ultrasonic Welding System

Specifications and Options:

- Dual Cycle Start Buttons (Standard)
- Non-Contact Cycle Start Buttons (Optional)
- Front Emergency Stop (Standard)
- Speed & Pressure Pneumatic Controls
- Head Adjust Counter Balance Spring (Standard)
- 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 Hub (Optional)
- 3.75" (95.3) column Diameter (Standard)
- 4" (101.6) Stroke Air Cylinder (Standard)
- 6" (152.4) Stroke Air Cylinder (Optional)
- Air Cylinder Bore Diameter 2.5" (63.5)
- Clamping Force at 90 PSIG 441 lbs. (1961n)
- Input Voltage 220 VAC
- Weight 165lbs. / 74.8 kg

Additional Features:

- Single Piece Rigid Cast Aluminum Machine Base & column Hub
- Increased Steel Column Diameter & Wall Thickness
- Single Rail Linear Slide
- Direct In-Line Air Cylinder
- Extended Center Base to Column Throat Depth Distance
- Additional 12" Center-to-Center Lower Fixture Mount Holes



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19 SARGENT DRIVE • BETHANY, CT 06524 USA • FAX: 203.393.0395 • TEL: 203.393.0639

E-MAIL: SALES@HEATSTAKING.COM • INTERNET: WWW.HEATSTAKING.COM

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