

# STUD WELDING PRODUCTS, INC

Your Number One Stud



## STUD WELDING UNIT

Model: IT 50



### Inverter-Capacitor Charging

- Maximum Welding Quality
- Maximum Welding Rates
- Maximum Energy Consumption
- Minimum Weight
- Maximum Efficiency

### DESCRIPTION

Stud Welding Unit for CD stud welding (capacitor discharge welding) according to current standards. The HBS IT 50 Stud Welding Unit is especially suitable for thicker sheets of about 2 mm or higher. The unit features a microcontroller, function monitoring, display of error codes, and lift test.

### FEATURES

### IT 50

<b>WELD RANGE</b>	14ga to 9/16", #4 to 5/8"
<b>WELD RATE</b>	25 Studs/Min @ 1/2"
<b>DIMENSIONS</b>	25.6"L x 22"W x 50.8"H
<b>WEIGHT</b>	320 lbs
<b>PRIMARY POWER</b>	480/460 V 3 Phase 50/60Hz

### FEATURES

- Microcontroller for precise process times, optimal functional reliability and maximum operating convenience
- Library function – automatic specification of welding current and welding time through selection of stud diameter according to welding range (with and without shielded gas); fine adjustment via arrow keys
- Process monitoring – recording and analysis of factors affecting the welding process; after each weld, the reference and actual values are compared; display of the welding energy input; switchable automatic welding stop if limits are exceeded
- Display – infinitely adjustable power setting; easy monitoring of all functions via LED displays; easy operation via membrane keyboard and digital display; setting of welding parameters, programs, shielding gas, automation and process monitoring possible; digital display of current, welding and gas-preflow time (optional: pneumatic feed time for automation); separate settings for welding current and welding time

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