

# NELSON<sup>®</sup> STUD WELDING

A Nelson Fastener Systems Company

## N1500i

Stud Range: 3/16" to 3/4" (5mm - 19mm)

### High-Performance Versatility!

Our lightweight inverter stud welder can deliver 1500 amps for 3/4" (19mm) full base diameter stud welding. This machine is perfect for construction, shipbuilding, industrial, automotive repair and production applications. Requires less AC input power than traditional transformer rectifier systems as well as producing unrivaled welds for auto-feed hand gun applications.



Standard Duty Weld Tool  
NS40



2 Years or 1,000,000 Weld  
**WARRANTY!**

### SPECIFICATIONS

Input Voltage	3 phase 208-240V, 50/60 Hz @ 60A
	3 phase 400-480V, 50/60 Hz @ 30A
	1 phase 200-220V, 50/60 Hz @ 60A
Fusing	60A@230V 30A@460V 25A@575V
Timing Control	5 - 1000 ms
Regulated Output	50 - 1500 Amps
Enclosure Dimensions	10 5/8"W x 16 1/2"H x 28"D (27x42x71 cm)
Weight	79 lbs. (36 kg)

- User-friendly control panel with 10 preset buttons and weld quality gauge
- Precision control at 60,000 Hz ensure the most stable arc, accurate heat input and highest quality welding process
- Built-in weld monitoring can detect bad welds
- Built-in weld tool monitoring detects the actual plunge time and adaptively compensates for tool wear
- Built-in cable monitoring detects wear and loose connections
- Nelson's pre-programmed **Stud Expert™** can automatically select the best settings for your stud diameter; or change the settings for your ideal usages
- Programmable *pulse waveform* facilitates stud welding of aluminum & other special materials
- Designed to save electricity, reduce cable wear, and maintain arc energy despite the condition of your weld tool

### System Configuration

	Part Number
Power/Control Unit 230/460 VAC 50/60 Hz	750-610-510
NS40 Weld Tool, 2 wire	751-692-000
2/0-25 ft. Ground Cable & Clamp	720-543-003
#1-25 ft. Combination Cable	722-000-124

### Make Your System Complete with These Options

- Input voltages: 230V, 460V, 575V
- Power Connectors: dinse, camlok
- Welding Tool Connectors: hubble, R&S, Binder, Harting
- Nelware™ Software Kit
- Gas Control Kit

### Duty Cycle\*

#### Rated @ Continuous Operation - Welds

3/4" (19mm)	4 / minute
5/8" (16mm)	8 / minute
1/2" (13mm)	19 / minute
3/8" (10mm)	29 / minute
5/16" (8mm)	36 / minute
1/4" (6mm)	48 / minute
3/16" (5mm)	52 / minute

### Nelson® Stud Welding

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