

NELSON[®] STUD WELDING

A Nelson Fastener Systems Company

N800i

Stud Range: #10 to 1/2" (2mm - 12mm)

One-Person Portable Inverter Stud Welding!

Our lightweight inverter stud welder can deliver 800 amps for 1/2" (12mm) full base diameter stud welding. This machine is perfect for construction, shipbuilding, industrial, automotive repair and production applications. Unrivaled welds for threaded studs and insulation pins.



Standard Duty Weld Tool
NS40

2 Years or 1,000,000 Weld
WARRANTY!

SPECIFICATIONS

Input Voltage	200-575 VAC	50/60Hz
Fusing	15 Amps	50/60 Hz
Timing Control	5 - 1000 ms	
Regulated Output	50 - 800 Amps	
Enclosure Dimensions	10"W x 13"H x 20.5"D (25x33x52 cm)	
Weight	40 lbs. (18 kg)	

System Configuration

		Part Number	
Power/Control Unit	400-480 VAC	50/60 Hz	750-611-560
Power/Control Unit	400 VAC	50 Hz	750-611-530
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

Duty Cycle*

Rated @ Continuous Operation - Welds

1/2" (13mm)	3 / minute
7/16" (11mm)	5 / minute
3/8" (10mm)	9 / minute
5/16" (8mm)	14 / minute
1/4" (6mm)	23 / minute
3/16" (5mm)	30 / minute

- User-friendly control panel with 10 preset buttons and weld quality gauge
- 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

Make Your System Complete with These Options

- Plunge Dampener for NS40
- 25' or 50' Weld Tool Combination Cable
- Shield Foot, Hose & Regulator
- Nelware™ Software Kit
- External Connector Ethernet Kit
- 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

Nelson® Stud Welding

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