



NCD+ 1400

High performance solid state fastening precision technology

NCD+™ is a dependable, new generation capacitor discharge (CD) stud welding power source developed around the traditional transformer rectifier CD power topology, but controlled by state of the art solid state electronics. The NCD+ 1400 is the ideal tool to weld up to 1/4" flanged CD studs with the contact CD welding process to eliminate drilling, tapping, grinding and polishing operations. The features and benefits include:

- **Portable.** Light weight power source producing conventional CD welding power.
- **Proven Power Topology.** Durable, long-life weld SCR and specially designed capacitors.
- **Consistency and Reliability.** Weld strength consistently exceeds that of the stud or parent metal.
- **Assembly Quality.** Built in the U.S.A., to the demanding standards of ISO9001.
- **Power Convenience.** Operates on a standard wall outlet power input (200V).
- **Dissimilar Metals.** Mild steel stud can be welded to stainless, brass or copper.
- **Circuit Breaker.** Over current protection without the inconvenience of replacing a fuse.
- **Polarity Change.** Ease of changing between straight and reverse polarity.
- **Stepless Voltage Adjustment.** Precision voltage setting, and adjustment.
- **Lightweight.** Aluminum cabinet with powder coat finish.

Applications

- Thin sheet metal fabrication with minimal heat, distortion, backside marking & weld flash interference.
- Insulation pins in shipbuilding and construction.
- Materials with high thermal conductivity such as copper and aluminum alloys.

NCD+

Technical Data

NCD+

	NCD+ 1400
Maximum Weld Base Diameter	1/4" Flanged
Welding Process	Contact CD
Cap Voltage (V)	45—200
Capacitance (µF)	66,000
Weld Rate (Studs / Minute)	12
Dimensions	8-1/2" x 9" x 11 3/4" (22 cm X 23 cm X 30 cm)
Weight	26 lb. (11.8 kg)
Input Power Connection*	200VAC, 50Hz, 20A
Stud Material	Mild steel, Stainless Steel, Aluminum, Copper, Brass, Zinc Coated, Galvanized
Gun	LD B-Collet LD Taper Base LD Precision
Base Material Thickness	0.015"
Ingress Protection Rating	IP21
Idle Power (W)	25 or Less
Efficiency	60%

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