

# STUD WELDING PRODUCTS, INC.

## CAPACITOR DISCHARGE STUD WELDER

Model: StudPro 2500i



### DESCRIPTION

StudPro incorporates the latest solid state technology into a compact and rugged capacitor discharge stud welder. This system has the capability to weld studs and pins ranging from 14ga. through 1/4" full flanged stainless, mild steel, and aluminum steel studs. Great welder for installing cup head pins.

### CONVENIENT OPERATIONAL AND SAFETY FEATURES

- LED voltage meter
- Safety shut down
- Cooling fan
- Front panel information LED's
- Dial down weld voltage control

| FEATURES              | StudPro 2500i   |
|-----------------------|---|
| <b>SIZE</b>           | 15-3/4" length, 8" width, 9" height                               |
| <b>WEIGHT</b>         | 24 lbs.   |
| <b>WELD RANGE</b>     | 14ga. through 1/4" diameter: cup head pins                        |
| <b>DUTY CYCLE</b>     | 30 studs per minute (including 1/4")                              |
| <b>PRIMARY POWER</b>  | 110VAC @ 50/60Hz 10 Amp circuit or 220VAC @ 50/60Hz 5 Amp circuit |
| <b>CHARGE VOLTAGE</b> | 35-200 VDC  |
| <b>CABLE LENGTH</b>   | Includes a #4x 25' gun cable and (2) pcs #4 x 15' ground cable    |

**Made in the USA**

### FEATURES

- Digital DC voltage read out on all models (allows for more accurate and repeatable weld settings).
- Cooling fan in all models for increased efficiency.
- Dial down DC voltage setting (no need to turn off the unit when resetting to a lower voltage).
- Only 10 amp circuit requirement (15 amp circuit breaker for power surge protection).
- 33,000 micro farad capacitors charging to 200 VDC for greater power output @ lower DC voltage requirements.
- Terminal connections on capacitors are over 5/8" diameter for a good seat of the terminal buss bars to increase reliability.
- The terminal connections on the capacitors have 1/4-28 socket set screws inserted in each one. The socket set screw is used to make connections to the buss bars. This eliminates damaging the threads in the aluminum connectors of the capacitor assuring a solid contact connection.
- Rigid internal construction connecting the entire internal unit to the front and rear panels minimizes the opportunity of the components coming loose during handling and operations.
- Sheet metal is powder coated for greater durability, texture and appearance.
- CD stud guns are ergonomically designed for better hand fit and comfort (reduces operator fatigue for increased weld repeatability).
- CD stud guns are designed with a weld speed control screw making adjustments easy for various spring pressures allowing an increased opportunity to have the correct spring pressure applied to the weld (no need to have a variety of springs on hand).
- CD stud guns can be configured for "B" collets, CI collets, Euro collets or standard tapered chucks.
- The StudPro CD units weigh less than other available models.
- High-frequency RF line filters.

Check us out on the internet [www.studweldprod.com](http://www.studweldprod.com) or email [info@studweldprod.com](mailto:info@studweldprod.com)

#### Downey, CA

9459 Washburn Rd.  
Downey, CA 90242  
Phone- 800.252.1919  
Fax- 562.862.3022

#### Hayward, CA

2391 American Ave.  
Hayward, CA 94545  
Phone- 510.782.7883  
Fax- 510.782.7918

#### Renton, WA

927 Thomas Ave. SW  
Renton, WA 98057  
Phone- 425.656.9787  
Fax- 425.656.9786

#### Phoenix, AZ

3535 East Wier Ave., Ste. #4  
Phoenix, AZ 85040  
Phone- 602.305.9350  
Fax- 602.305.4890