

# STUD WELDING PRODUCTS, INC.



## CAPACITOR DISCHARGE STUD WELDER

Model: StudPro 3750



### 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 3/8" full flanged stainless, mild steel, and aluminum steel studs.

### CONVENIENT OPERATIONAL AND SAFETY FEATURES

- LED voltage meter
- Safety shut down
- Cooling fan
- Front panel information LED's
- Dial down weld voltage control
- High-frequency RF AC line filter

Made in the USA

FEATURES	StudPro 3750
<b>SIZE</b>	18-3/4" length, 8" width, 9" height
<b>WEIGHT</b>	34 lbs.
<b>WELD RANGE</b>	14ga. through 3/8" diameter
<b>DUTY CYCLE</b>	30 studs per minute (including 3/8")
<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 #2 x 25' gun cable and (2) pcs #2 x 15 ground cable
<b>CAPACITANCE</b>	132,000

### 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 have a permanent internal spring with easy adjustment 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.
- CD guns are designed with a weld speed control knob. Making adjustments quick and easy.

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

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