

STUD WELDING PRODUCTS, INC.



CAPACITOR DISCHARGE STUD WELDER

Model: TWE-321



DESCRIPTION

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 5/16" full flanged stainless 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

Made in the **USA** by Tru Weld Equipment

FEATURES	TWE-321
SIZE	18-3/4" length, 8" width, 9" height
WEIGHT	29 lbs.
WELD RANGE	14ga. through 5/16" stainless
DUTY CYCLE	30 studs per minute (including 5/16")
PRIMARY POWER	110VAC @ 50/60Hz 10 Amp circuit or 220VAC @ 50/60Hz 5 Amp circuit
CHARGE VOLTAGE	35-200 VDC
CABLE LENGTH	Includes a #4x 25' gun cable and (2) pcs #4 x 15 ground cable
CAPACITANCE	99,000

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 TWE CD units weigh less than other available models.

Check us out on the internet www.studweldprod.com or email 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

Kent, WA

19038 72nd Ave. South
Kent, WA 98032
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