



CD-V power supply with TL-V weld head

# CD-V Series

## Capacitive Discharge Power Supplies

The CD-V series welders are high value, compact capacitive discharge welders featuring dual pulse output with full control of both pulses.

- Consistent welding output for repeatable process results
- Built-in peak current indicator
- Pulse shaping with adjustable upslope to reduce expulsion
- Set/store up to 8 schedules to quickly change between different weld schedules
- PS-Control - push button rotary encoder.

### KEY FEATURES

- Fully controllable dual pulse output
- Adjustable pulse separation for process optimization
- Rapid fire between pulses for quick welding of adjacent location
- Ultrafast rise time for conductive material welding
- Pulse rise time control
- Peak current monitor indicates if weld occurred
- Programmable squeeze time
- Weld counter
- CE and CCC compliant
- Built in the USA

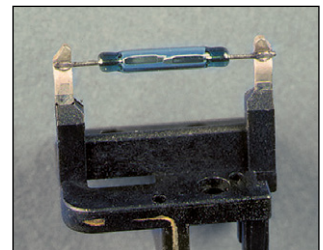
### KEY MARKETS/APPLICATIONS

- Battery – Tab to cell welding
- Electronics – cross wire welding, wire to terminal, wire lead to pad
- Aerospace – Honeycomb tacking
- Medical – medical device interconnects
- Jewelry – repair

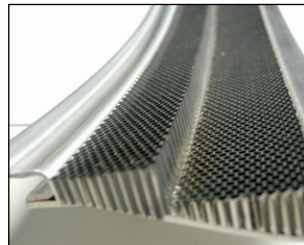
### TYPICAL APPLICATIONS



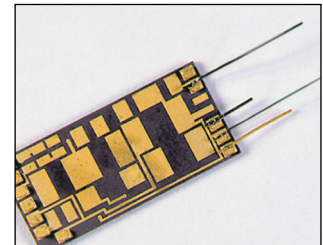
Battery tab welding



Interconnects



Honeycomb tacking



Fine wire to pad

## TECHNICAL SPECIFICATIONS

<b>Model</b>	CD-V120A	CD-V260A
<b>Max energy output</b>	120 Ws	260 Ws
<b>Weld speed @ 50% (per min)</b>	105	78
<b>Weld functions</b>	Single pulse, dual pulse and roll spot	
<b>Upslope</b>	Adjustable (between 0.1 and 15 ms)	
<b>Dual pulse</b>	Yes, Pulse1 and Pulse2 with independent control	
<b>Pulse length</b>	Adjustable (each pulse has a window between 0.1-150 ms, default 15 ms)	
<b>Monitoring</b>	I <sub>peak</sub> *	
<b>Programmable squeeze</b>	Yes (0-250 ms, default 100 ms)	
<b>Hold time</b>	Controlled via footswitch or handpiece	
<b>Weld counter</b>	Yes	
<b>Schedules</b>	8 internally programmable schedules	
<b>2-Level foot switch</b>	Optional	
<b>Output relays</b>	No	
<b>Communication**</b>	No external communication	
<b>Power input</b>	90-240 VAC, 50/60 Hz, 10 A (standard wall plug)	

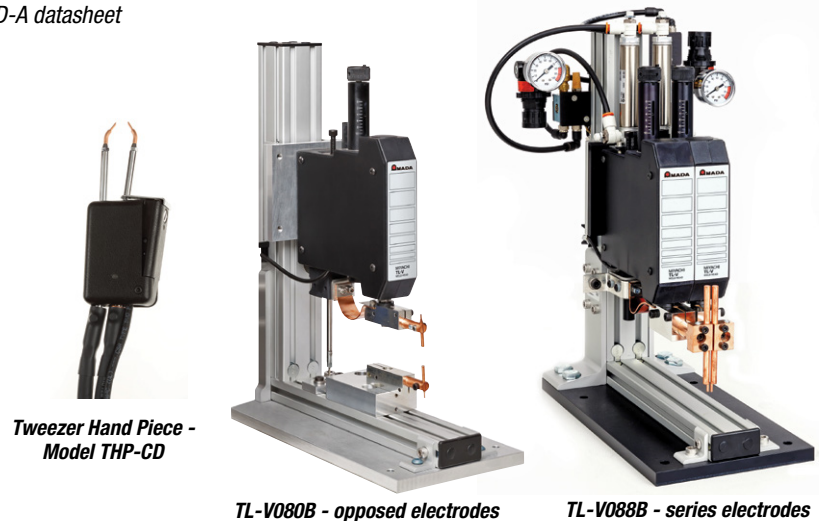
\*Relative indicator to indicate firing. We recommend an external monitor for actual process monitoring.

\*\*For units with external communication, please see our CD-A datasheet

## WELDHEADS

The CD-V works with the following weldheads, handpieces and footswitches:

- Manual Cable Driven - Model TL-V080B-F, TL-V088B-F
- Standard Air Solenoid Driven - Model TL-V080B-A, Model TL-V088B-A
- Hand Pieces - Models THP-CD (pictured), other models GHP-CD, HFP-CD, PHP-CD



Tweezer Hand Piece -  
Model THP-CD

TL-V080B - opposed electrodes

TL-V088B - series electrodes

## WEIGHT &amp; DIMENSIONS (Power supply only)

<b>Dimensions (W x D x H)</b>	8.72 in x 14.92 in x 8.06 in (221 mm x 379 mm x 205 mm)
<b>Weight</b>	22 lb (10 kg)



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