



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.

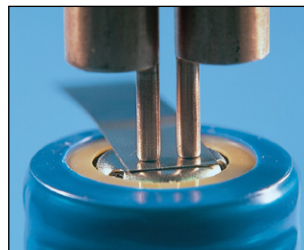
### KEY FEATURES

- 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

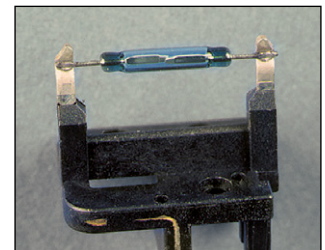
### KEY MARKETS/APPLICATIONS

- 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



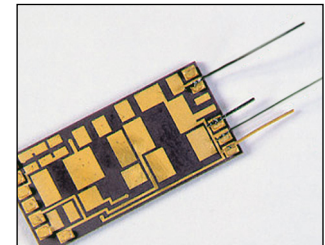
Battery tab welding



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)	

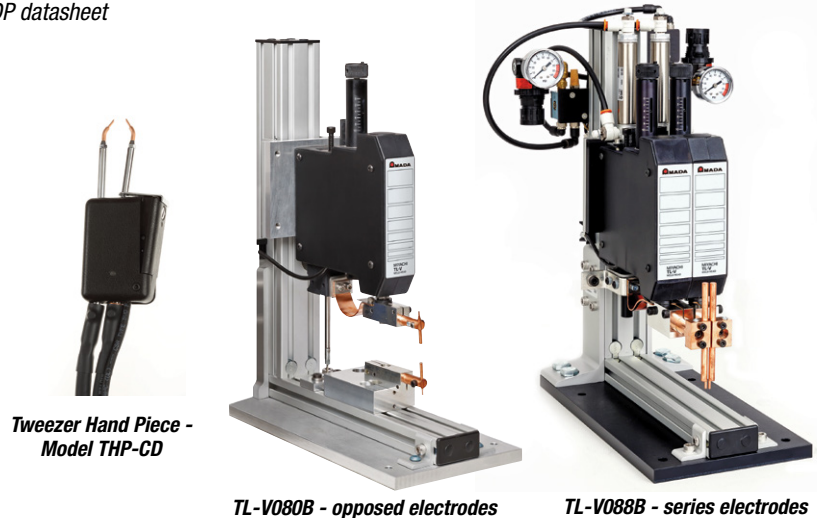
\*Relative indicator to indicate firing. We recommend an external monitor for actual process monitoring.

\*\*For units with external communication, please see our ADP 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, FHP-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 (L x W x H)</b>	14.92 in x 8.72 in x 8.06 in (379 mm x 221 mm x 205 mm)
<b>Weight</b>	22 lb (10 kg)



## AMADA MIYACHI AMERICA, INC.

**AMERICA**  
AMADA MIYACHI  
AMERICA  
(Midwest Technical Center)  
Detroit, Michigan  
T: (248) 313-3078  
midwestsales@amadamiyachi.com

AMADA MIYACHI  
AMERICA (Mexico Office)  
El Paso, Texas  
T: (915) 881-8765  
mxsales@amadamiyachi.com

AMADA MIYACHI DO  
BRASIL LTDA.  
São Paulo, Brasil  
T: +55-11-4193-3607  
antonio.ruiz@amadamiyachi.com

1820 S. Myrtle Ave. • Monrovia, CA 91016 US  
T: (626) 303-5676 • F: (626) 358-8048  
info@amadamiyachi.com • www.amadamiyachi.com  
ISO 9001 Certified Company • 24/7 Repair Service: 1-866-751-7378

**EUROPE**  
AMADA MIYACHI  
EUROPE GmbH  
Munich, Germany  
T: +49-89-839403-0  
infode@amadamiyachi.eu

**ASIA**  
AMADA MIYACHI CO., LTD.  
Isehara, Japan  
T: +81-4-7125-6177  
sales@miyachi.com

AMADA MIYACHI  
SHANGHAI CO., LTD.  
Shanghai, China  
T: +86-21-6448-6000  
jwu@msc.miyachi.com

AMADA MIYACHI  
KOREA CO., LTD.  
Seoul, Korea  
T: +82-31-8015-6810  
dykim@mkc.miyachi.com

AMADA MIYACHI  
TAIWAN CO., LTD.  
Taipei, Taiwan  
T: +886-2-2585-0161

AMADA  
(THAILAND) CO., LTD.  
Bangkok, Thailand  
T: +66-2170-5900  
info@mtl.miyachi.com

AMADA  
VIETNAM CO., LTD.  
Ha Noi, Vietnam  
T: +84-4-6261-4583

AMADA MIYACHI  
INDIA PVT., LTD.  
Bangalore, India  
T: +91-80-4092-1749  
info@miyachiindia.com

**ESEN ELEKTRONİK**   
MÜHENDİSLİK DAN. SAN. VE TİC. LTD. ŞTİ.  
Yaylagül Sk. 8/4. A. Ayrançı 06540 ANKARA - TÜRKİYE  
Tel: +90 (312) 468 8114 Faks: +90 (312) 468 8115  
http://www.esenel.com eposta@esenel.com

Specifications subject to change without notice. Copyright© 2019 AMADA MIYACHI AMERICA, INC. The material contained herein cannot be reproduced or used in any other way without the express written permission of AMADA MIYACHI AMERICA, INC. All rights reserved.

follow us on:

