

# DP Touch Welders

## Dual Pulse Capacitive Discharge Touch Welders



### Applications:

- Aerospace
- Automotive
- Batteries
- Electronics
- Laboratory
- Medical Devices
- Military
- General Industrial Welding

### Features:

- Independent Single/Dual Pulse Operation
- Finely Adjustable Pulse Widths
- Complete Built-in Weld Monitor
- On-screen Waveform Display
- 128 Programmable Schedules
- 2 Weld Head Driver Outputs
- Scheduled Self Calibration
- On-screen Help Menus
- Multi-Lingual Displays
- Microprocessor Control
- Ethernet and USB Output Ports

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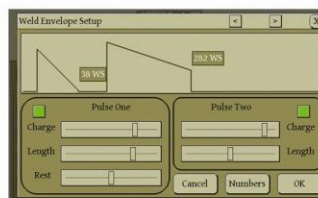
Sunstone Engineering's DP Touch Welders combine high-tech, high-touch welding solutions with built-in advanced weld monitoring capabilities. The DP Touch's 9 inch color touch screen interface provides access to every weld parameter and monitoring feedback option. Now users can weld and monitor processes with one space saving device perfect for any ISO, GMP and TQM requirement.

Customizable weld parameters include independent single/dual pulse operation, energy stored and energy released options, finely adjustable pulse widths including an adjustable rest/delay time between pulses, on-screen lock features, 128 savable schedules with flexible chaining capabilities, two weld head driver outputs, and full control over squeeze and hold times. An Ethernet and USB port on the back of the welder allow every aspect of the welder and monitor to be controlled remotely, and feedback monitoring data is automatically copied and downloaded to any Windows® based computer.

The DP Touch offers advanced monitoring capabilities including voltage and peak current measurements, sampling rates of 130,000samples/second, on-screen waveform displays with 800 data points displayed on screen (up to 3,000 data points displayed when copied to external computer), graphical weld limits displayed on screen with trend plotting, and a built-in weld coaching system to help analyze and improve welding parameters and processes.



Easily navigated RUN screen displays info at a glance with quick access to all features.



On-screen Envelope Setup with both slider selection and real number input options.

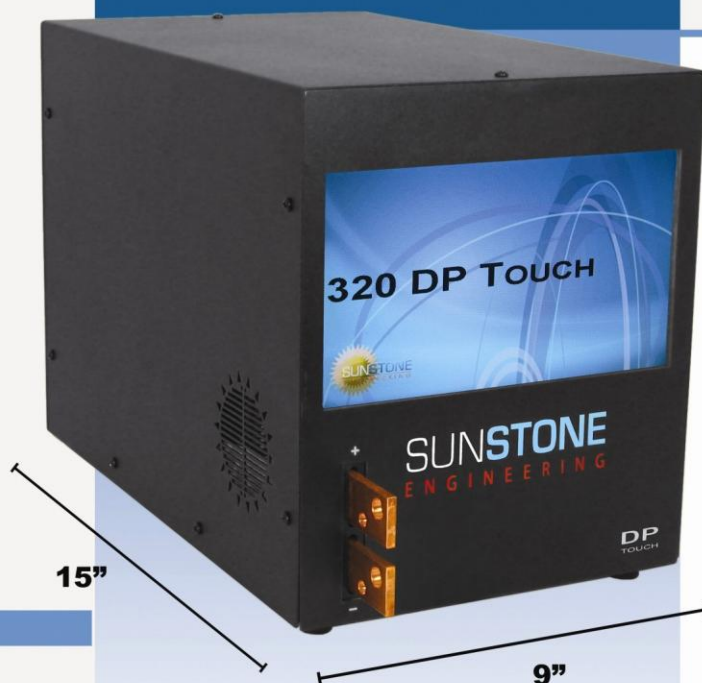


Full QWERTY keyboard for naming and saving custom schedules and jobs.



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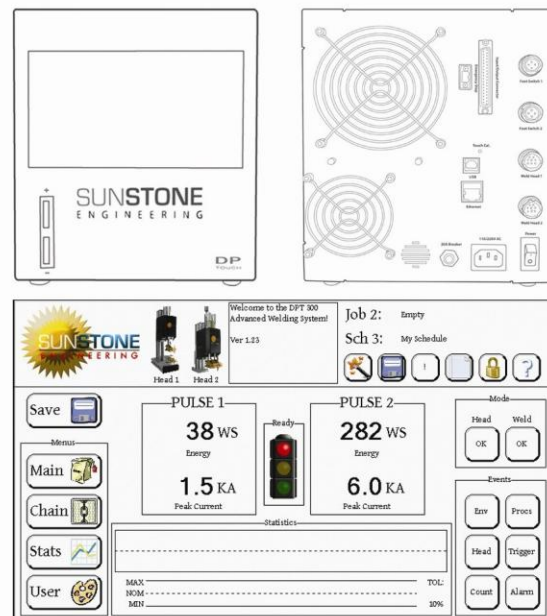


11"

CE

15"

9"



### Specifications

Sunstone DP Touch Technical Specifications	
Feature	CD160 DPT / CD320 DPT / CD630 DPT
Dual Pulse	Yes
Pulse 1 Energy	1 - 50 ws
Pulse 2 Energy	1 - 160 ws / 1 - 320 ws / 1 - 630 ws
Peak Current	10,000 Amps
Input Line Voltage	Switchable 110 VAC or 220 VAC
Weld Schedules	128
Pneumatic Weld Head Driver Ports	2
Programmable Squeeze Time	0 - 3 sec
Programmable Hold Time	0 - 3 sec
Remote Schedule Selection	Yes
Microprocessor Control	Yes
Weld Counter with Programmable Limit	Yes
Interface Controls	9" Color Touch Screen Interface
Advanced Interface Controls	On-Screen QWERTY Keyboard and 10 Key Interface for Easy Data Input
Output Relays / Network Ports	Ethernet & USB
Basic Weld Monitoring	Voltage and Peak Current Measurements
Advanced Weld Monitoring	Display Actual Weld Waveforms, Weld energy calculations, Limits and Trends Analysis
Self Calibration	Schedulable Options: Weekly, Monthly, Quarterly, Semi-Annually, Annually



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