

Sunstone Parallel Weld Heads

Manual and Air Actuated Weld Heads

Sunstone's WH2 weld heads offer precision and repeatability at an affordable price. The WH2125 weld heads have 1/8" parallel set electrodes and are ideal for battery pack manufacturing and other applications requiring same-side welding. Once connected, these weld heads can be adjusted for your particular application. Each electrode's pressure can be individually adjusted to ensure a strong weld formation and to control the weld nugget size. Head height can be adjusted from 0 to 8 inches. Sunstone's weld heads are available with either pneumatic or manual operation. Pneumatic weld heads are compatible with any sized air compressor. Once connected, the air pressure can be controlled with the tank regulator and the head travel speed can be set to any preference with the flow control valves. An electric foot pedal is included to actuate the weld head.

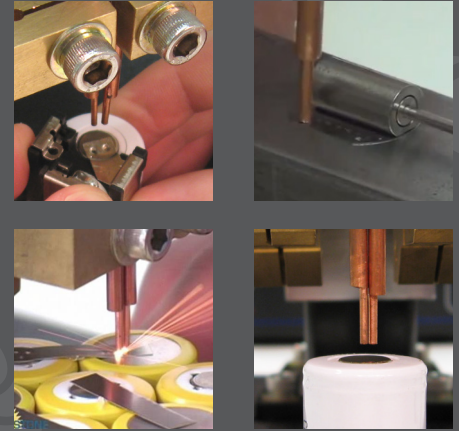


The manual versions are operated by a manual lowering of the weld head by means of a foot pedal and a cable connected through the work bench. For applications requiring larger weld spot sizes, Sunstone's WH2 Weld Heads accept 1/4" electrodes.

Features

- Adjustable Force-Firing
- Pneumatic or Manual Actuation
- adjustable up and down stroke velocity
- Quick Release Height Adjustment Handles
- Height Adjustment from 0-8"

Applications



- Battery tab welding
- Battery pack manufacturing or rebuilding
- Prismatic NiCd battery assembly
- Welding applications with access from one side



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Table 1: Weld Head Specifications.

Feature	Manual	Pneumatic (Air)
Weld Force	0 - 15 lbs	0 - 15 lbs
Max Electrode Stroke	1 in ??	1 in ??
Electrode Diameter	1/8 in	1/8 in
Electrode Diameter Upgrades	3/16, 1/4 in	3/16, 1/4 in
Electrode Configuration	Parallel	Parallel
Electrode Holder Type	Offset	Offset
Electrode Min/Max Gap	0-8"	0-8"
Max Throat Size (HxD)	7 x 7 in ??	7 x 7 in ??
Weld Cable Size/Length	1 AWG / 24 in	1 AWG / 24 in
Foot Pedal Type	Manual Cable	AC, 3 Prong
Air Pressure for Max Force	N/A	60-80 PSI
Air Cylinder Inside Diameter Bore	-	0.75 in
Cycle Rate (Stroke)	1 in ??	1 in ??
Dimensions	19 x 9.5 x 2.5	19 x 9.5 x 2.5
Weight (before packing)	25 lbs ??	25 lbs ??