



Weld Heads

Low Inertia Parallel and Opposed Gap Weld Heads Datasheet

Sunspot™

Low Inertia Parallel or Opposed Gap Weld Head

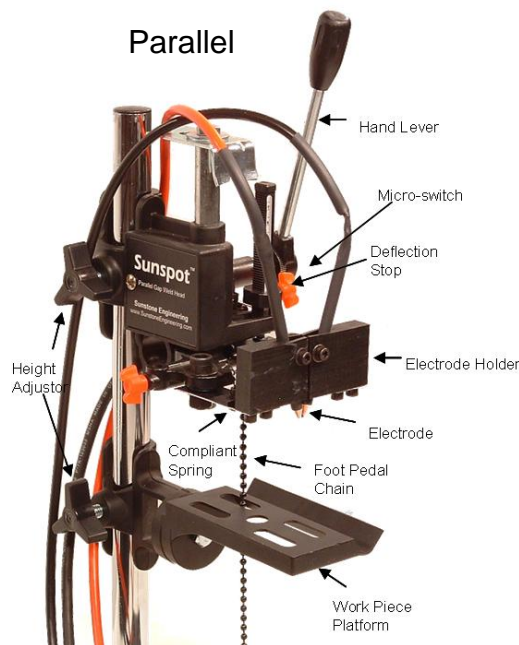
- Two weld heads for the price of one
- Low inertia for fast follow-on pressure
- Adjustable platform and head height
- Solid and light weight construction
- Cost thousands of dollars less
- Hand lever or foot pedal operated
- Weld battery terminals and more



Parallel Configuration



Opposed Configuration



The Sunspot Weld Head

The Sunspot is a low inertia, parallel or opposed gap weld head. The weld head accepts the Sunstone dual probe hand piece (DPHP) which can also be used for free hand welding. The weld head can be actuated using a manual hand lever or a manual foot pedal (foot pedal sold separately). The Sunspot uses a compliant spring to provide weld pressure. The weld head's light weight construction allows fast follow-on pressure to be applied during weld shrinkage.

The Sunspot is ideal for applications where ease of operation and overall cost are a concern. It is simple to operate and easy to maintain.



SEK500A

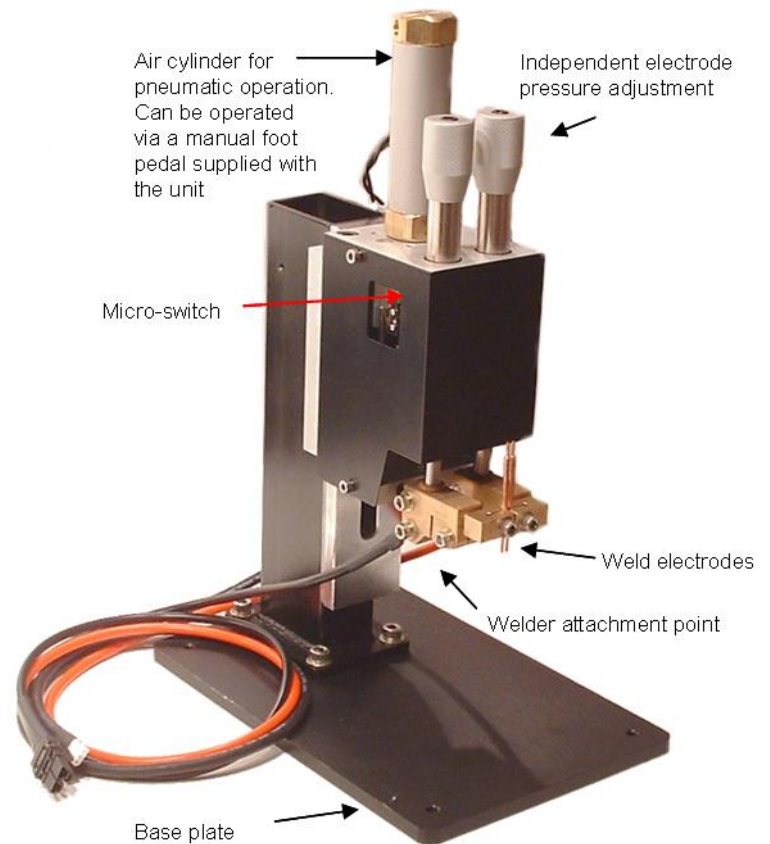
Low Inertia Parallel Gap Weld Head

- Parallel gap for battery manufacturing
- Rugged, durable construction
- Independent electrode pressure adjustment
- Manual foot pedal or air operated
- Four inch head travel
- Micro-switch triggers at set-point pressure
- Low inertia for fast follow-on pressure



The SEK500A Weld Head

The SEK500A is a parallel gap weld head suitable for high volume battery pack manufacturing. The unit can be actuated via a manual foot pedal that comes with the unit or through the use of the air cylinder. Independent electrode pressure adjustment allows fast welder setup. The SEK500A micro-switch fires when electrodes have reached the set-point pressure and are independent of head travel. This unit is durable and has an excellent track record.



Weld Head Physical Characteristics

	Sunspot	SEK500
Actuation		
Hand Lever	Yes	No
Foot Pedal	Yes (sold separately)	Yes
Air	No	Yes (parts required)
Electrode Configuration		
Parallel Gap	Yes	Yes
Opposed Gap	Yes	No
Force		
Max lbf (N)	5 (22)	4.5 (20)
Min lbf (N)	0.1 (0.4)	0.25 (1.1)
Dimensions		
Electrode Diameter inch (cm)	0.25 (0.6)	0.125 (0.3)
Max Height inch (cm)	21 (53.3)	18 (45.8)
Max Depth inch (cm)	11 (28.0)	12 (30.5)
Max Width inch (cm)	7 (17.8)	8 (20.3)
Max Head Travel inch (cm)	4 (10.2)	4 (10.2)
Typical Head Travel Inch (cm)	1 (2.5)	1 (2.5)



Contact SCI for additional information and pricing.
 (888) 255-6780 toll free order line
 (972) 475-0874 phone • (972) 475-5024 fax
 4209 Industrial • Rowlett, Texas 75088