



The Sunstone™ Micro™ E Weld Head

Choose Sunstone's Electromagnetic Linear Motion Micro Weld Head with Built-in Force and Displacement Monitoring for Precision Welding

The Sunstone Micro E is an electromagnetic linear motion weld head engineered for ultra-high precision welding. With attached 5x microscopic optics and brilliant LED lighting, the Micro E delivers as little as 30 grams in force with 1 micron of positional accuracy, numbers that surpass competitive weld heads. Built-in force, position, and displacement feedback makes the Micro E a perfect fit for ultraprecise welding.



TYPICAL APPLICATIONS

- Microelectronics
- Electric Motors and Coils
- Actuators
- Magnetic Wire

The Sunstone Micro E provides as little as 30 grams in force with 1 micron in positional accuracy—an ultraprecision weld head for any shop or automated production floor.

FEATURES

- Electromagnetic Linear Motion for Ultra Precise Positioning
- 30-2000g Adjustable Weld Head Force
- Positional Accuracy of 1 Micron
- Built-in Force, Position, and Displacement Feedback*
- 5x Microscopic Optics
- Multi-Joint Microscopic Arm for Comfortable Operation
- 300 Lumens LED Lamp
- PLC Compatible
- Removable Ceramic Base Plate
- Rotary Height Adjustment
- 2-Year Warranty Backed by Sunstone's Reputation for Quality and Customer Service

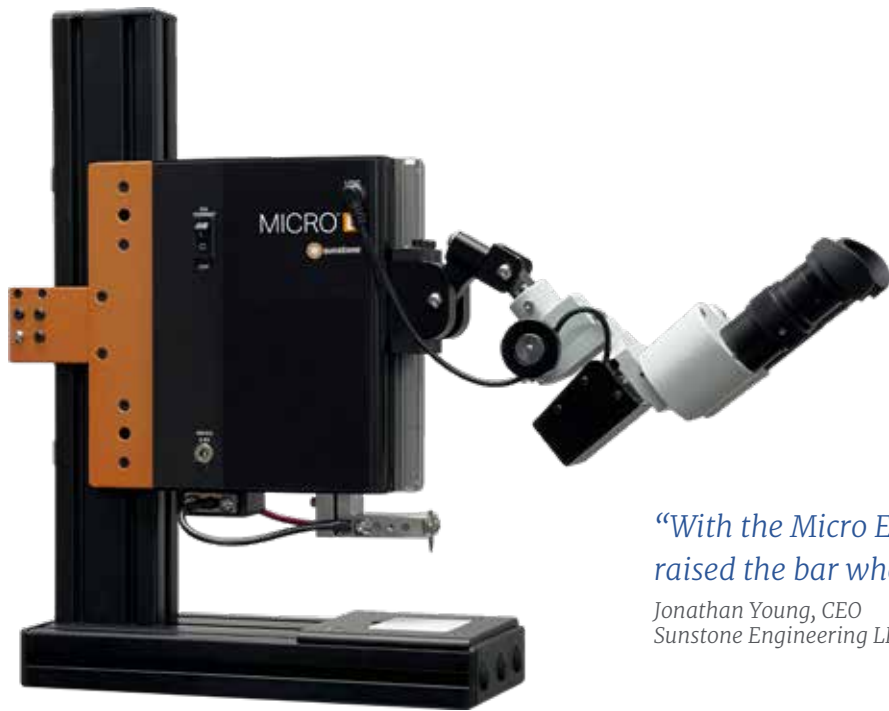
Call or Text +1-801-658-0015 • www.sunstonewelders.com

*When paired with the Sunstone Pico welder. Call for details.



sunstone

The Micro Welder Experts



“With the Micro E weld head, Sunstone has significantly raised the bar when it comes to accuracy.”

Jonathan Young, CEO
Sunstone Engineering LLC

SPECIFICATIONS

| KEY UNIT SPECIFICATIONS | |
|--|--|
| TABLETOP FOOTPRINT (L X W X H) | 56x10.8x45.7 cm w/ MICROSCOPE, 14x10.8x45.7 cm w/o MICROSCOPE |
| UNIT WEIGHT | 10.1 kg w/ MICROSCOPE 8.9 kg w/o MICROSCOPE |
| ELECTRODE STROKE (TRAVEL DISTANCE) DISTANCE) | 25 mm |
| FORCE RANGE | 30-2000 g |
| POSITION DISPLACEMENT ACCURACY | ±1 Micron |
| DUTY CYCLE (30 G TO 2 KG HOLDING FORCE) | 100% |
| HEAD TYPE | PARALLEL, OPPOSED, or THERMOCOMPRESSSION |
| WELD FORCE METHOD | DIRECT |
| ACTUATION METHOD | ELECTROMAGNETIC LINEAR MOTION |
| THROAT DEPTH | 17.8 cm |
| NUMBER OF SCHEDULES | 1,000 + (CREATED VIA PICO WELDER) |
| ELECTRODE SPEED | HOME POINT TO HOVER POINT: 1-100 mm/sec HOVER POINT TO WELD POINT: 1-100 mm/sec |
| POWER INPUT | 48 Vdc @ 2.5 A |
| WELDING CURRENT | 300 A @ 50% DC |
| OPERATING TEMPERATURE | 0 to 65° C |

RECOMMENDED WELDER



Sunstone™ Pico™ DC

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EWI STRATEGIC TECHNOLOGY PARTNER



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The Micro Welder Experts