

The Orion 250i – Industrial Pulse Arc and Resistance Welder

The Orion Pulse 250i features newly developed Intelligent Welding™ technology. This new technology simplifies the welding process by automatically adjusting weld settings for any metal or application. In addition, users can experience interactive touch screen navigation, high-frequency agitation for difficult metals like palladium, adaptive weld ignition for longer electrode life, a new multi-pulse setting for laser like welding, and more. The Pulse 250i continues the Orion legacy by providing the most high-tech, versatile, and affordable welding solution on the market today.

As with other Orion welders, the Orion Pulse 250i utilizes two different welding technologies – Pulse Arc and Tack. The Tack Mode uses resistance welding technology with up to 250 watt-seconds of energy. The Tack Mode is perfect for temporary placement or permanent fusion welding. The Pulse Arc Mode uses pulse-arc welding technology and consists of three distinct energy ranges – Ultra, Micro, and Nano. The Ultra energy range uses up to 250 joules of energy for projects that require deeper penetration or a larger spot size. The Micro energy range uses up to 30 joules of energy and is perfect for moderate penetration and more delicate pieces. The Nano energy range is a new weld setting that offers precise weld energy control from 0.5 – 5 joules of energy, perfect for very fine applications. By using the Orion's weld modes and energy ranges together, users can experience the most versatile and complete welding system available.

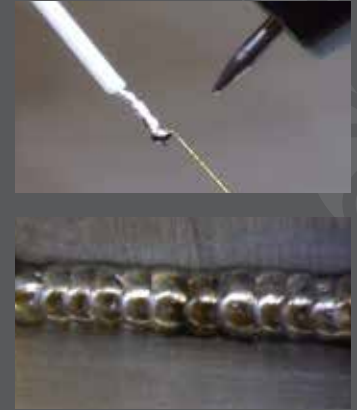


Sunstone Engineering

1-877-786-9353
1693 American Way #5
Payson, UT 84651 USA



Applications



- Filling
- Holloware
- Mold and Die Repair
- Coil Termination
- Relays
- Solenoids
- Pencil Coils
- Transformer Coils
- Actuators
- Inductors
- Seam Welding
- Thermocouples
- Wire Beading
- Weld Any Metal
- And So Much More

Features

- Large Touch Screen Display with Multiple Language Options
- Save and Load Settings
- High Frequency Agitation
- Adaptive Weld Ignition™
- MyWeld™ Software
- Rapid Fire Welding (4 Welds/Second)
- Pulse Shaping (Weld Length) Capabilities
- Updateable/Upgradeable
- 5x Microscope with Built-in Shutter System
- Tack Mode
- Nano Mode

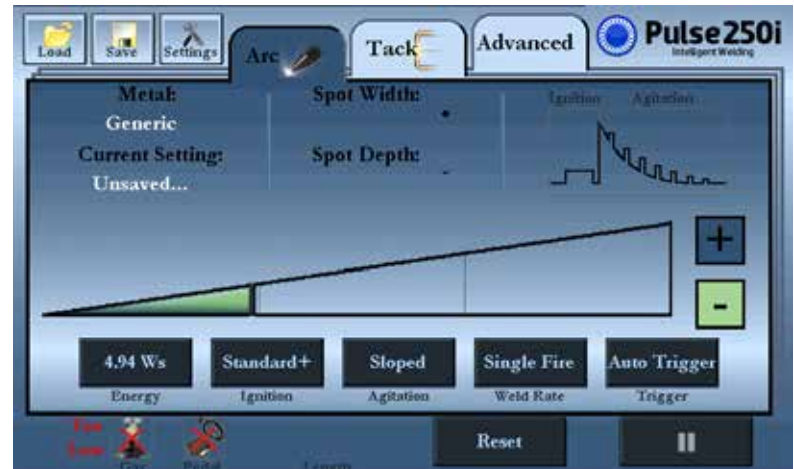
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Specifications

Dimensions



Touch Screen Interface



Orion 250i Pulse Arc and Resistance Welder

Welder Type	Pulse-Arc and Resistance
Weld Modes	4
Pre-Programmed Metal Settings	15
Customizable Save Settings	30
Languages	Multiple
Display	9" Touch Screen
Energy (ws)	0.5–250 ws
Switching Power Supply	110/240VAC (Auto Detected)
Weld Spot Diameter	≈ 0.25 – 4.5mm
Footprint	4.7" x 8.4" x 10.4" (12 x 21.3 x 26.4cm)
Weight	28 lbs (12.7 kg)
Stereo Microscope Magnification	5x
Shutter/Auto Darkening	Shutter System



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