

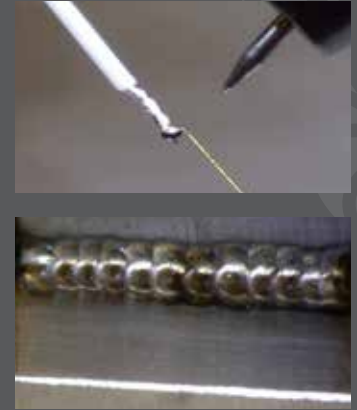
Orion 100c – Industrial

The Compact Pulse Arc Welder

The Orion 100c is a powerful addition to the Orion line of pulse-arc welding technology. Like all Orion welders, the Orion 100c features a touch screen interface that streamlines and simplifies the welding process – allowing users to do more and to work more efficiently. Users have many features available to them including high-frequency agitation for added penetration and weld strength, precise weld ignition for clean welds and long electrode life, customizable save settings for fast and easy switching between weld settings, and fully updateable and upgradeable software options.

As with other Orion welders, the Orion 100c utilizes two different welding technologies – Pulse Arc and Tack. The Tack Mode uses resistance welding technology with up to 100 watt-seconds of energy. The Tack Mode is perfect for temporary placement or permanent fusion welding. Pulse-Arc Welding technology consists of two distinct energy ranges – Micro and Ultra. The Ultra energy range is between 30 and 100 joules of energy for projects that require deeper penetration or a larger spot size. The Micro energy range is between 3 and 29 joules of energy and is perfect for smaller and more delicate pieces. The Orion 100c offers a versatile, compact, and affordable welding system in an easy-to-use package.

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

- Touch Screen Display with Multiple Language Options
- Pulse-Arc & Resistance welding capabilities
- Save and Load Settings
- High Frequency Agitation
- Weld Length Options
- Updateable/Upgradeable
- Pulse Shaping Capabilities
- 5x Microscope with Built-in Shutter System



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Dimensions



Microscope Arm Upgrade



Orion 100c - Industrial - Pulse Arc & Resistance Welder

Welder Type	Pulse-Arc & Resistance
Weld Modes	3
Pre-Programmed Metal Settings	5
Customizable Save Settings	5
Languages	Multiple
Display	4" Touch Screen
Pulse Arc Energy (Ws)	3-100 Ws
Tack Energy (Ws)	3-100 Ws
Switching Power Supply	110/240VAC (Auto Detected)
Weld Spot Diameter	≈ 0.75 - 2.5mm
Footprint	9.25" x 5.75" x 6.5" (23.5 x 14.6 x 16.5cm)
Weight	7.5 lbs (3.4 kg)
Microscope Magnification	5x
Microscope Eye Protection - Shutter System	IR ∞ / UV ∞