

Data

Orion 100c - Industrial - Pulse Arc Welder

Welder Type	Pulse-Arc & Resistance
Weld Modes	3
Pre-Programmed Metal Settings	5
Customizable Save Settings	5
Languages	Multiple
Display	4" Touch Screen
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)
Stereo Microscope Magnification	5x
Shutter/Auto Darkening	Shutter System

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Orion 100c - Jewelry - Pulse Arc Welder

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Weld Modes	3
Pre-Programmed Metal Settings	5
Customizable Save Settings	5
Languages	Multiple
Display	4" Touch Screen
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Weight	7.5 lbs (3.4 kg)
Stereo Microscope Magnification	5x
Shutter/Auto Darkening	Shutter System

Orion 100c - Dental - Pulse Arc Welder

Welder Type	Pulse-Arc & Resistance
Weld Modes	3
Pre-Programmed Metal Settings	5
Customizable Save Settings	5
Languages	Multiple
Display	4" Touch Screen
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)
Stereo Microscope Magnification	5x
Shutter/Auto Darkening	Shutter System

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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- High Frequency Agitation
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- Pulse Shaping Capabilities
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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

- Ring Resizing
- Filling Porosity
- Seam Welding
- Prong Re-Tipping
- Clasp Repair
- Earring Posts
- Eyeglass Repair
- Metal Sculpting

- Weld Any Metal
- Precious and non Precious Metals
- Orthodontic Welding
- Implant Bar Assembly
- Partial Frameworks
- Extending Margins
- Filling Porosity
- Seam Welding
- Add Contacts
- Wire Beading
- Clasp Repair
- Holloware
- Crown and Bridge Repair
- And Much More

Orion 100c

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.