



orion

## Orion™ 100c

### *A Small Pulse Arc Welder with a Big Feature Set!*

The Orion 100c pulse arc welder is preferred by smaller studios who need digital energy control, an unobstructed workspace, and vibrant optics.

#### **Digital Control**

The 100c sports a smart touchscreen interface, making every feature immediately available and easily controlled with a simple touch. You can select the exact amount of energy you need, from 3 to 100 Joules (Ws) in 0.5 Joule increments.

#### **A Clean, Organized Workspace**

Like all Orion pulse arc welders, a professional articulating arm keeps your workbench free and unobstructed. Simply move the mounted optics and stylus up and away to clear your workspace. The 100c is also available with an automatic darkening lens instead of a microscope, which fits nearly every budget.

#### **Vibrant Microscopic Optics**

The 100c can deliver a spot weld as small as 0.75mm with remarkable accuracy due to its 5x microscopic optics. When you view your work piece through the optics you'll be impressed by the brilliance and clarity.



*For smaller studios, the Orion 100c will help you save time closing a jump ring, filling porosity, retipping prongs, tacking, or resizing a ring.*



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**sunstone™**  
The Micro Welder Experts

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# A Small Pulse Arc Welder with a Big Feature Set!

### Key Benefit: Save Time

Smart studios use the Orion 100c to save precious time. With an Orion pulse arc welder, every studio can quickly resize a ring, retip a prong, add metal, fill porosity, or construct any work piece in a fraction of the time required for soldering.

### Technology Advantages: Many Metal Types

Unlike a laser welder, the Orion 100c will expertly and quickly join most metals, from stainless steel to gold and silver. Unlike a torch, you'll never encounter heat scaling nor stress about damaging a precious stone. A low heat-affected zone makes light work!

### Key Features: Easy to Learn. Simple to Use.

#### Touchscreen Simplicity

All features are controlled using the smart color touchscreen interface on the front of the welder. The Orion 100c is all digital!

#### Precision in a Broad Power Range

The Orion 100c's broad power range will let you tackle most projects. For smaller studios, the Orion 100c can't be beat!

#### Digital Energy Control

With the Orion 100c you can dial in the exact amount of energy you need and how you want it delivered.

#### Multiple Weld Speed Modes

For seam sealing, you won't find a more efficient tool. The Orion 100c can fire one weld every 0.7 seconds!

#### World Renown Customer Service

With more than 15 years of micro welding experience, our team of experts can help you with any welding challenge.

## Product Specifications

TABLETOP FOOTPRINT (L X W X H)	38x33x40 cm
ENERGY RANGE (JOULES)	3-100 J
ESTIMATED WELD SPOT DIAMETER RANGE	≈ 0.75 - 2.5 mm
DISPLAY (TOUCH SCREEN)	13 cm
WELD SPEED	1 weld/0.7 seconds
HIGH FREQUENCY AGITATION OPTIONS	Basic
SAVE SETTINGS SPACES	30
5X MAGNIFICATION	•
IR/UV EYE PROTECTION THRU MICROSCOPE	•
20+ ON-SCREEN LANGUAGES	•
ARC START TECHNOLOGY	•
TACK MODE	•
BASIC SCREEN METAL PRESETS	•
UPGRADEABLE SOFTWARE	•



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