

# iWELD® BENCHTOP LASER WELDER

993 Series

**LASERSTAR**  
TECHNOLOGIES

## ★ HIGHLIGHTS

- ✓ NEW! Fifth Generation Benchtop Design
- ✓ 60 Watts / Peak Power 11 kW / Pulse Shaping
- ✓ Integrated HD 4K 8MP Camera w/HDMI Output
- ✓ Large, Easy Access Chamber Design
- ✓ Multiple Microscope Options

## ★ New 7" Digital Messaging Display

- ✓ Automatic Energy Save Mode
- ✓ Preventive Maintenance Alerts
- ✓ Pre-Programmed Application Settings
- ✓ Burst & Speed Mode Welding

## ★ NEW! Optional Aluminum Adjustable Floor Stand

## ★ Highest PEAK POWER Benchtop Welder in its Class

## ★ Ergonomically Designed Wide Access Chamber

## ★ 120 V & 230 V Supply Circuit Models

Laser Safety Compliance  
FDA(CDRH), CE

✓ Ideal for Retail Manufacturing Jewelers

✓ A Must for Jewelry Repair Profit Centers

✓ Dental & Orthodontic Laboratories

✓ Perfect for Eyeglass Frame Repair

✓ Prototyping Applications Labs

✓ Tool & Die / Contract Welding Workshops

✓ Ideal for a Wide Range of Complex Alloys



Shown with optional  
693-101 Aluminum  
Adjustable Floor Stand  
with Wheel Kit



Pulse  
Performance  
Profile Technology®



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**LASERSTAR**  
ACADEMY™

Our education courses are designed to provide you with a solid foundation of fundamental laser skill sets to immediately gain a revenue impact with your new laser device.

[LaserStarAcademy.com](http://LaserStarAcademy.com)

Technical Specifications at [www.LaserStar.net](http://www.LaserStar.net)

# iWELD® BENCHTOP LASER WELDER

993 Series



<b>Source Type</b>	Nd:YAG (Flashlamp)
<b>Wavelength</b>	1064 nm
<b>Output Power (Watts)</b>	60 W
<b>Maximum Peak Power</b>	11 kW
<b>Pulse Frequency</b>	0.5-50 Hz
<b>Spot Size</b>	0.10*-2.00 mm
<b>Burst / Speed Welding</b>	Optimized to Energy Values
<b>Max Pulse Energy</b>	180 J
<b>Pulse Shaping</b>	Exclusive Integrated Software
<b>Soft-Touch® Resonator Technology</b>	Beam Profile Technology
<b>Supply Circuit</b>	120 V or 230 V (±10%) 50 / 60 Hz
<b>Cooling Capacity</b>	Internal Water-To-Air

Easy-To-Use, simple to maintain and incredibly powerful, the 993 Series iWeld® Professional Laser Welding System fits neatly into any work environment.

iWeld® is the highest peak powered laser welding machine in its class. This machine welds SILVER along with other complex alloys. The iWeld is ideal for a wide range of metal joining and repair applications in the industrial marketplace.

The system's compact, portable, space-saving design, coupled with LaserStar's well-known reputation for high quality, efficient laser sources, make the iWeld BenchTop an excellent value.

\* Smaller sizes are achievable with an aperture kit for micro-welding.



Shown with 611-160 ClearView Microscope



Shown with 611-197-1 Stereo Projection Scope



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