

# iWELD® PROFESSIONAL LASER WELDER

## 972 Series



### ★ HIGHLIGHTS

- ✓ Powerful, Portable Industrial Design
- ✓ Pulse Shaping / Burst Mode / Speed Welding
- ✓ First Pulse Suppression & Soft Touch® Technology
- ✓ Multiple Microscope Options
- ✓ 60, 80 & 100 Watts / Peak Power: 11 kW

### ★ Digital Messaging Display

- ✓ Automatic Energy Save Mode
- ✓ Preventive Maintenance Alerts
- ✓ Multi-Language System Display
- ✓ Pre-Programmed Applications

### ★ Ergonomically Designed Forearm Entry Ports

### ★ Removable Door & Chamber

### ★ Large Viewing Window

### ★ Side Entry Service Panels

Laser Safety Compliance  
FDA(CDRH), CE



Removable Chamber

- ✓ Ideal for Retail Manufacturing Jewelers
- ✓ A Must for Jewelry Repair Profit Centers
- ✓ Dental & Orthodontic Laboratories
- ✓ Perfect for Prototyping Applications Labs
- ✓ Industrial & Medical Device Industries
- ✓ Tool & Die / Contract Welding Workshops
- ✓ Ideal for a Wide Range of Complex Alloys



## 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)

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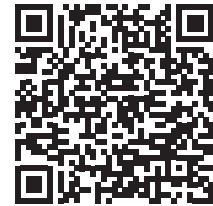


<b>Source Type</b>	Nd:YAG (Flashlamp)
<b>Wavelength</b>	1064nm
<b>Output Power (Watts)</b>	60 W / 80 W / 100 W
<b>Maximum Peak Power</b>	11 kW
<b>Pulse Frequency</b>	0.5-20 Hz
<b>Spot Size</b>	0.05-2.00 mm
<b>Burst / Speed Welding</b>	Optimized to Energy Values
<b>Max Pulse Energy</b>	180 J
 <b>Pulse Performance Profile Technology®</b>	Exclusive Integrated Software
<b>Soft-Touch® Resonator Technology</b>	Beam Profile Technology (Optional)
<b>Supply Circuit</b>	230 V (±5%) 50 / 60 Hz
<b>Cooling Capacity</b>	Internal Water-To-Air

Easy-To-Use, simple to maintain and incredibly powerful, the 972 Series iWeld® Pro Industrial Laser Welding System fits neatly into any work environment.

iWeld® is the highest peak powered laser welding machine in its class. This machine welds a wide range of 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 Professional an excellent value.



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