

# iWELD® PRO INDUSTRIAL 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: 11kW

## ★ 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), CSA, 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



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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

## 972 Series



**Source Type** Nd:YAG (Flashlamp)

**Wavelength** 1064nm

**Output Power (Watts)** 60W / 80W / 100W

**Maximum Peak Power** 11kW

**Pulse Frequency** 0.5-20Hz

**Spot Size** 0.05-2.00mm

**Burst / Speed Welding** Optimized to Energy Values

**Max Pulse Energy** 180J

 **Pulse Performance Profile Technology®** Exclusive Integrated Software

**Soft-Touch® Resonator Technology** Beam Profile Technology (Optional)

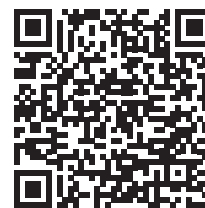
**Supply Circuit** 230V (±5%) 50 / 60Hz

**Cooling Capacity** 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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