

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



LASERSTAR
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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

Technical Specifications at 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)

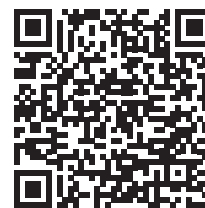
Supply Circuit 230V (±5%) 50 / 60Hz

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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