

OPEN WORKSPACE WELDING WORKSTATION

7700 Series with Universal Jig

Today's mold repair micro-welding laser industry is characterized by rapidly changing, ever-evolving customer demands and intense competition. Innovative ideas, successful designs and a strong commitment to superior quality and performance are the fundamentals of LaserStar Technologies Corporation.

LaserStar's Universal Jig offers a significant, competitive advantage for today's operators looking to unleash the power of hot light, benefit from a comfortable, ergonomic design and ensure optimal platform flexibility for the widest range of on-site repair applications.

Our commitment to electrical design efficiency ensures the highest level of hot-light energy transfer from the LaserStar source through the welding zone. The result is a significant pulse energy advantage while maintaining minimum water cooling temperatures and 24-hour operational performance.

HIGHLIGHTS

Open Workspace Design
Portable Precision Table
Ideal for Large Parts
Motorized X / Y / Z Axis

LaserStar welding systems are ideal for a wide range of large plastic injection mold, tool & die maintenance and repair applications.

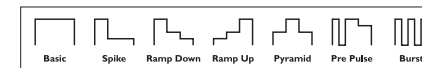
- Lay a bead from .0025" / 0.40mm
- Repair slots, pockets, radius contours and angles
- Repair polished, textured and engraved surfaces
- Repair thin walls with little or no warping
- Repair parting line edges and heat sensitive areas
- Alloys include tool steel, aluminum, copper, titanium and powdered metals

The LaserStar produces a high quality result, reduces the amount of handwork required before polishing and practically eliminates sink lines.

MADE IN THE USA

PERFORMANCE FEATURES AND BENEFITS

(The following advanced features are available on select 7700 Series Welding Workstations with Universal Jig)



- Soft Beam™ Profile Enhancement Resonator Technology (Optional)

X Axis
46" (1168mm)

360° Swivel

Z Axis
45" - 65"
(1143mm - 1650mm)

Adjusts to Any Angle

- Theta X & Y: +/-45°
- Head Pivot: 180°
- Illuminated Work Area with Argon Flow Nozzle

Operator Interface Terminal (OIT)

Multi Axis Travel Distances

- Motorized X-Y-Z Axis
- X Axis = 27.5" (700mm)
- Y Axis = 10.0" (260mm)
- Z Axis = 19.5" (500mm)

Magnetic Holder for Small Parts

X/Y Joystick Control (Optional Upgrade)

Compact/High Power Integrated Laser Welder (100 - 200 W)

3 Axis Precision Table

- Mechanical X = 5.5" (140mm)
- Mechanical Y = 3.0" (75mm)
- Motorized Z = 7.5" (195mm)

Base Measurements:
25" x 25" (635mm x 635mm)

System Weight:
750 lbs./193 Kg

MADE IN THE USA

Benefits

Motorized X / Y / Z Axis • Rotates and Tilts in Almost Any Direction • Rigid Yet Mobile Frame • Complete Turnkey Solution

In the interest of technological progress, we reserve the right to make technical changes without notice.

Performance features of 7700 Series provided on page 30 & 31