8700 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.

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.

**Performance Features and Benefits**

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

- Multi Axis Travel Distances
  - Motorized X-Y-Z Axis
    - X Axis = 27.5” (700mm)
    - Y Axis = 10.0” (260mm)
    - Z Axis = 19.5” (500mm)

- Operator Interface Terminal (OIT)
- Compact/High Power Integrated Laser Welder (100 - 200 W)
- 360° Swivel
- X/Y Joystick Control (Optional Upgrade)
- Magnetic Holder for Small Parts
- Soft Beam™ Profile Enhancement Resonator Technology (Optional)
- Adjusts to Any Angle
  - Theta X & Y: +/-45°
  - Head Pivot: 180°
  - Illuminated Work Area with Argon Flow Nozzle
- Made in the USA

**Highlights**

- Open Workspace Design
- Portable Precision Table Ideal for Large Parts
- Motorized X / Y / Z Axis
- MADE IN THE USA

**Performance Features of 7700 Series provided on page 30 & 31**