

One Stop Shop for 5-Axis Laser Cutting & Welding

Laser Welding & Bonding

Laser welding provides a precise, high-quality solution for joining metals, plastics, and various alloys with minimal heat distortion. Our 3-axis and 5-axis CNC laser welding systems ensure deep penetration and clean welds, making it an ideal choice for industries requiring high-precision welding solutions.

We offer a range of laser welding techniques to meet diverse project needs, including:

- ☑ **Laser Spot Welding** – Small, precise welds for delicate components
- ☑ **Butt Welds** – Strong, seamless connections between materials
- ☑ **Hermetic Welding** – Air- and water-tight sealing for critical applications
- ☑ **Fusion Welding** – Deep, high-strength welds with minimal material usage
- ☑ **Laser Hybrid Welding** – Combining laser and arc welding for enhanced performance
- ☑ **Arc Welding** – Reliable and efficient welding for a wide range of materials

Laser Cutting

Our 5-axis lasers achieve tolerances up to ± 0.005 " and cut material thicknesses up to .125".

Cutting Capacity: Three laser systems with work envelopes up to 72" x 92" x 48"

Advanced Features:

- Auto focus control (AFC) for precise laser beam focus
- Auto feed rate/power control to minimize heat distortion
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Material Capabilities:

- Carbon Steel
- Stainless Steel
- Aluminum
- Titanium & Alloys
- Plastics, carbon fiber, and other organic materials

☑ **Flat Laser Cutting**

☑ **Laser Engraving**

☑ **Quality Assurance Documentation**

GET IN TOUCH

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