

Empowering Your Business with

# Laser Cutting & Engraving



POWERING CONNECTIONS



## Precision Fabrication & Industrial Marking

- ✓ **Precision Cutting for Various Materials:** Provision of high-precision laser cutting services utilizing CO2 and Fiber laser technologies for a wide range of materials, including metals (steel, stainless steel, aluminum), plastics (acrylic, polycarbonate), wood, leather, and composites, with intricate geometries and tight tolerances.
- ✓ **Detailed Engraving and Marking:** Offering detailed laser engraving and marking services for permanent identification, branding, serialization, and aesthetic customization on various surfaces, including metals, plastics, glass, and organic materials, with high resolution and contrast.
- ✓ **Rapid Turnaround for Custom Projects:** Optimized workflow and advanced machinery ensure fast processing times for both cutting and engraving projects, enabling rapid prototyping, quick production of custom parts, and efficient handling of small to large batch orders.
- ✓ **Design Assistance and Optimization:** Expert support for design optimization, including file preparation (DXF, DWG, AI), material selection, and cutting/engraving parameter adjustments, to achieve optimal results and maximize material utilization.

## Technical Specifications

### Features

- ✓ Technology
- ✓ Laser Power
- ✓ Materials (Cutting)
- ✓ Materials (Engraving)
- ✓ Working Area
- ✓ Cutting Accuracy
- ✓ Engraving Resolution
- ✓ Kerf Width
- ✓ Software Compatibility
- ✓ Applications
- ✓ Cooling System
- ✓ Safety Features

### Specifications

- ✓ CO2 Laser (for non-metals, some plastics), Fiber Laser (for metals, some plastics)
- ✓ CO2: 60W to 500W+; Fiber: 1kW to 12kW+
- ✓ Carbon Steel (up to 25mm), Stainless Steel (up to 20mm), Aluminum (up to 15mm), Acrylic (up to 25mm), Wood (up to 20mm), MDF, Plywood, Leather, Fabric
- ✓ Metals, Plastics, Wood, Glass, Ceramics, Leather, Stone, Anodized Aluminum
- ✓ Up to 3000 x 1500 mm (for industrial cutting); up to 1000 x 600 mm (for engraving)
- ✓ ±0.05mm (typical)
- ✓ Up to 1000 DPI
- ✓ 0.1mm - 0.5mm (material and power dependent)
- ✓ AutoCAD (DXF, DWG), Adobe Illustrator (AI, EPS), CorelDRAW, SolidWorks, Inkscape
- ✓ Prototyping, Custom Fabrication, Signage, Architectural Models, Art & Design, Industrial Parts, Branding, Serialization
- ✓ Closed-loop water chiller
- ✓ Enclosed system, interlocks, emergency stop, fume extraction

## Why Choose Us?

- 01.** **Unmatched Precision and Intricacy:** Our advanced laser cutting and engraving technologies deliver exceptional accuracy, clean edges, and intricate details, enabling the creation of complex designs and fine finishes that meet the most demanding aesthetic and functional requirements.
- 02.** **Versatile Material Processing:** With capabilities spanning a broad spectrum of materials, from various metals to plastics, wood, and composites, we offer unparalleled flexibility to process diverse projects, ensuring optimal results for each specific material type.
- 03.** **Speed, Efficiency, and Quality:** Experience rapid turnaround times, efficient material utilization, and consistently high-quality output. Our laser technology ensures fast processing, minimal material distortion, and superior edge quality, accelerating your production and reducing post-processing needs.

### GET IN TOUCH WITH US

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