



Using a new high performance, energy-efficient fiber laser, this system will achieve a level of quality and detail that is unprecedented in the industry for laser cutting. It can cut aluminum, anodized aluminum, alloy metals, stainless steel, mild steel, copper, brass, non transparent plastics, plaques, create stencils, and more.

OFFERING A FULL RANGE
OF LASER MARKING AND
CUTTING SOLUTIONS



The **TiTAN Series** is a large flatbed multipurpose fiber laser cutting system built from state of the art technology. This system is equipped with a high-power, energy-efficient fiber laser and an advanced direct drive motion control platform and single pallet shuttle table.

Standard Features

- Standard sizes available (ft.): **4 x 8** [1.2m x 2.4m], **5 x 10** [1.5m x 3m], **6.5 x 13.12** [2m x 4m]
- High pressure gas assist N₂, Ar or O₂ gas-assisted cutting under pressures of up to 250 psi
- Motorized Single shuttle material handling system
- Fully enclosed Class I safety system
- Water chiller
- Software controlled X-Y orthogonality
- Control terminal with touch screen monitor
- Diode pointer for visual alignment

System Capabilities & Benefits

- Fully software-controlled mechanical geometry alignment eliminating special requirements for installation
- Latest generation 1064nm fiber laser up to 10,000 watt CW power
- G-code programming for experienced CNC operators
- No optical system alignment, no laser service necessary
- Smallest HAZ (heat-affected zone) in the industry
- Lowest operating cost among all laser types
- Simple installation allows for quick start-up
- Ultra-low power consumption for its class
- No replacement parts on laser necessary
- No beam delivery system maintenance
- Minimum maintenance required

Applications & Materials

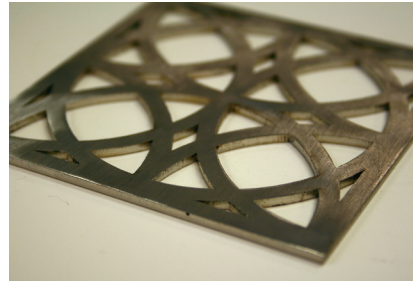
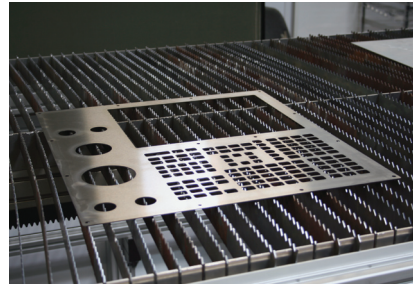
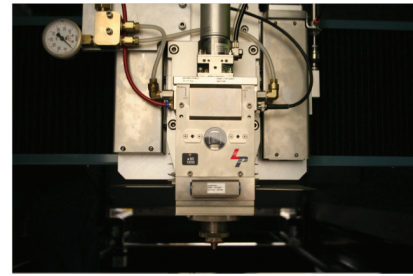
(Ideal applications are highly reflective metals & materials)

- Cutting
- High-speed sheet metal cutting
- Automotive frames cutting
- Coated & Plated Metals
- Anodized Aluminum
- Opaque Plastics
- Medical devices
- Laser sintering
- Silicon cutting
- Stainless Steel
- Blank cutting
- Aircraft Skins
- Plate cutting
- Alloy Metals
- Composites
- Aluminum
- Mild Steel
- Titanium
- Graphite
- Copper
- And More

Options

- Automatic focus: capacitor sensor
- Dual Motorized Shuttle tables
- Duplex lenses: 2.5", 3.75", 5", 7" and 10"
- Fiber Coupler
- Worksheet Clamps
- External Exhaust/Fume Extraction System

Training, commissioning, extended warranties and custom size options are available upon request. (cost may vary)



Safety Considerations During Operation

1064 nm wavelength laser light emitted from this laser system is invisible and may be harmful to the human eye. Proper laser safety eyewear must be worn during operation.

21 CFR 1040.10 Compliance

This product is a Class 1 laser as designated by the CDRH and MEETS the full requirements for a stand-alone laser system as defined by 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968. As an added level of security, a redundantly switched safety interlock system helps prevent accidental exposure to excess laser radiation. Plus, the system is equipped with an electrical power manual reset, a key-locked laser power switch and a remote interlock connector. All these features, in combination, constitute the laser radiation safety system, which allows the equipment to be used in a safe and secure manner.



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