



# Link

PRECISION FIBER LASER CUTTING SYSTEM

This system will achieve a level of quality and detail that is unprecedented in the industry for laser cutting and engraving. It can cut microtubes, surgical instruments, stencils and much more. It has a granite base and can perform effective N<sub>2</sub>, Ar or O<sub>2</sub> gas-assisted cutting under pressures of up to 250 psi. Ease of installation gives the system “plug-and-play” characteristics and a quick startup time.

OFFERING A FULL RANGE  
OF LASER MARKING AND  
CUTTING SOLUTIONS



A DIVISION OF FONON TECHNOLOGY INTERNATIONAL

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## PRECISION FIBER LASER CUTTING SYSTEM

The **Link** will help quicken production time and lower manufacturing costs. Fiber laser systems reduce the cost of ownership, maintenance and dramatically improve overall production quality. A high output laser power with low energy consumption, resulting in operating cost savings and a quick return on investment. Due to its direct drive motor with integrated software control, the **Link** preserves a large amount of detail when cutting and engraving. The software allows Laser Photonics to import any image into the software as a prepared solution for engraving/cutting.

### Standard Features

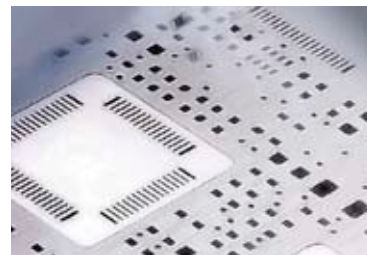
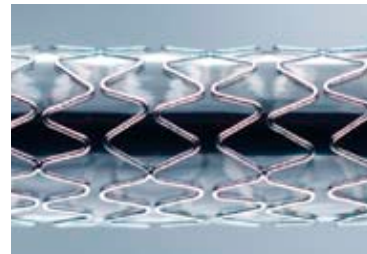
- High pressure gas assist N<sub>2</sub>, Ar or O<sub>2</sub> gas-assisted cutting under pressures of up to 250 psi
- Latest generation Ytterbium 100 to 1,000 watt CW upgradable fiber laser
- Software controlled X-Y orthogonality
- Class 1 laser safety enclosure

### System Benefits

- Save valuable work & floor space, the unit has a relatively small foot print, is Ethernet ready and Plug & Play capable
- Fully software-controlled mechanical geometry alignment eliminating special requirements for installation
- No reeducation required for experienced CNC operators (G-code programming)
- Low power consumption
- No optical system alignment, no laser service necessary
- No laser service knowledge required from the operator
- Highest cutting quality available from 1064 nm lasers
- Lowest operating cost among all laser types
- Ease of installation allows for quick start-up
- No replacement parts on laser necessary
- No beam delivery system maintenance
- No alignment after optics replacement
- Software alignment on orthogonality

### Applications & Materials

- Stents
- Surgical Instruments
- Microtubes
- Stencils
- Coated & Plated Metals
- Thick Coating Removal
- Aluminum
- Anodized Aluminum
- Deep Engraving
- Opaque Plastics
- Stainless Steel
- Alloy Metals
- Mild Steel
- Copper
- And More



### 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. Finally, the system has audible and visible emission indicators with five (5) second emission delay settings. 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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