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Product Update



Laser Photonics Product Update

i-Series™ Fiber Laser Marking Kit

[Laser Photonics](#)

[i-Series™](#)

[FiberTower™](#)

[Handheld Systems](#)

[About Us](#)



The i-Series Fiber Laser Marking Kit was specifically designed for maintenance-free OEM applications.

These compact service-free laser systems are designed to operate under high shock, vibration and dust conditions, with relatively

high humidity and temperatures. They do not require routine replacement parts or materials; they require only a low voltage power source.

A minimal number of external connection cables makes this the easiest OEM package to integrate into customer equipment or conveyor lines. Fiber-to-fiber architecture means a robust, monolithic design with no optics to align or maintain, no mechanics to stabilize, and with the focusable power and high power densities needed for the most demanding applications.

- State-of-the-art, Air Cooled, Ytterbium Q-Switched Fiber Laser up to 1mJ for marking on virtually any material (metals, plastics, ceramics, etc.)
- Greater than 50,000 hours maintenance-free operation
- Low voltage power source (110/220 VAC) requirements
- Flexible cable beam delivery system
- Ability to work without computer connected to the laser system (Optional Configuration).
- Compact footprint designs

FiberTower™ Series

Fiber Tower™ series is a new generation of Fiber Laser Material processing Systems for Direct Parts Marking, UID (Unique Identifier), and Deep Engraving.



For a quick start-ups and/or a changeover from existing systems the plug-and-play Fiber Tower™ Series equipment offers users the ultimate in control, quality and speed versus competitive marking technologies.

The result is a cutting-edge system that can be integrated into any production line at a cost reduction of nearly 25% over traditional Fiber Laser Systems. Considering the cost reductions of no consumables and low power consumption, the Fiber Tower™ Series Laser System is now the most cost effective, eco-friendly and flexible apparatus of Direct Parts Marking, UID, and Deep Engraving in the Aerospace, Automotive, Medical, Defense, Semiconductor and other markets.

The Fiber Tower™ Series equipment is safe, compact, and service-free, designed to meet individual marking needs with the ability to mark a wide variety of materials using many different techniques including Direct Parts Marking (DPM) of alphanumeric, logos, serial numbers, part numbers, lot and date codes, schematics, graphics, deep engraving and more. It can be delivered as a stand-alone system that can be integrated into any production line or with full turnkey workstations.

SBM1200M™ Laser Cutting & Engraving System



The SBM-1200M Multi-Purpose Fiber Laser Cutting and Engraving System is the first flat-bed multipurpose industrial fiber laser cutting system with 51" by 51" cutting capabilities. With a fiber laser, it can be equipped with up to 3,000 watts of power. This is usually enough power for most light-industrial cutting applications.

This multipurpose system combines a state-of-the-art drive-and-control technology along with the latest achievements in fiber lasers. It has a replaceable nesting basket and can perform effective N2 or O2 gas-assisted cutting under pressures of up to 200 psi. Ease of installation gives the system "plug-and-play" characteristics and quick startup time.

New Handheld Laser Marking System

Introducing the industry's first 12/24 volt hand held fiber laser marking system! It is an ideal system for:

- Small weapon identification for such purposes as inventory and renewal
- Handheld laser permanent marking on all stationary and removable items such as ships, missiles, airplanes, tanks, etc.
- Service marks on Commercial airliners and non movable equipment within industrial, energy, power generation, gas and oil industries



The standard configurations of the handheld systems allow for many different options

to meet any production need. This extremely versatile unit can be moved easily for convenient operation from any location and is capable of marking materials ranging in size from miniscule to considerably large equipment that would not fit into traditional marking systems. Additional features include ease of installation allowing for quick start-up and graphical-based programming for a minimal learning curve.

Due to the increasingly worldwide nature and importance of the optics/electro-optics industry, detector/sensors industry, components industry, and materials industry, the United States government and Homeland Security initiated a variety of programs where lasers became an essential part of present and future defense applications. In the private sector, a variety of government contractors elected to use lasers and advanced optics to comply with strict government regulations. Laser Photonics envisioned the opportunity and successfully introduced and delivered applications compatible with military standards, while continuing to perfect the use of our laser technology for future commercial and defense applications.

FiberScan™ Software

The FiberTower™ and i-Series systems use the most advanced laser marking software available today. Among its many features are ease-of-use, high performance, and great flexibility. FiberScan™ Software provides the highest quality marking for text, barcodes, serialization, and graphics. It provides a simple interface for fills, automation, graphic importers, parts handling, machine control interfaces, security controls, transformations, support, quality, flexibility, and much more!

Laser Depot® - Laser Systems Rental



Laser Depot, a division of Laser Photonics, offers the best alternative to meet your direct part marking (DPM) requirements. Using the latest in fiber laser technology, we now offer the **FiberTower Mini™ Marking System** for a minimal monthly rental charge. Simply plug these compact systems into any 110VAC outlet and you are in business producing high quality marks on production parts. Our fiber laser marking systems are ideal for

marking aluminum, anodized metals, steel, stainless steel, copper, graphite, rubber, titanium, composites, plastics, ceramics, coatings and more!

Rent-to-buy incentives are also available. Laser Depot is confident you will decide to purchase one of our fiber laser marking systems once you experience its quick start-up, ease-of-use and completely maintenance-free operation.

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