

UID MARKING SYSTEMS

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Department of Defense policy states, "All relevant business, warfighter, intelligence, and enterprise information environment mission area transactions, among the Department of Defense, Federal and State Agencies, non-governmental organizations, and domestic and foreign persons and organizations use UID standards for discrete entities." UID is vital in tracking and reporting the value of government property and UID policy requires the submission of the value of each item upon acquisition. Information is then populated in the UID registry which enables a clean audit opinion through uniquely tracking each item. This information can also be used to support accounting and financial management.

Laser Photonics offers a complete UID solution. UID is to be used to enhance the capability to gather, organize, and assess information on organizations, material assets, people, and places to enable the Department of Defense components to perform their functions.

Marking Materials:

Chrome plated metals	Cast Iron
Anodized aluminum	Carbide
Tungsten carbide	Plastics
Polycarbonate	Rubber
Polypropylene	Nickel
Stainless steel	Brass
Aluminum	Alloy
Titanium	PVC

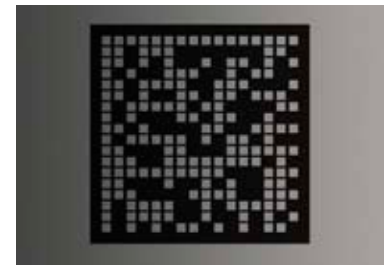


Fiber Tower Marking Systems

Laser Photonics' Fiber Tower Series is the new generation of Fiber Laser Marking Systems for UID marking. With their advanced compact industrial grade features, cost reductions of no consumables and low power consumption, they are the perfect fit for any marking demand. Our systems are capable of producing MIL-STD-130M compliant marks of any size and have the highest mark quality available. The FiberTower™ Series Laser Systems and integrated software will manage the creation, marking and uploading of all your UID data.

Industries:

Aerospace
Automotive
Medical
Defense
Semiconductor
And Many More!



Meeting
UID Standards
Globally



GSA Contract Holder
Contract GS-21F-0041T

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Handheld Fiber Laser Marking System

The Handheld is ideal for Direct Part Marking of 2D matrix and barcodes. Extremely lightweight and equipped with dual handles for increased portability, it is perfect for marking both large and small equipment such as large weapons, vehicles, depot maintenance items, flight line items or any consumable material that requires a permanent marking. This mobile system includes graphical-based programming, ScanLab scanning head and wide-range of versatility and is capable for usage in any production need.

Features & Benefits

- Air Cooled Ytterbium Q-Switched Fiber Laser with up to 2mJ for marking on assorted materials
- Designed for maintenance-free Direct Part Marking (DPM) applications
- Excellent beam quality ($M2 < 1.05$) - TEM00 beam profile
- Greater than 50,000 hours maintenance-free operation
- Low voltage power source (110/220 VAC) requirements
- Flexible cable beam delivery system



Handheld

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.



**AVOID EXPOSURE
INVISIBLE LASER RADIATION
IS EMITTED FROM THIS APERTURE**

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Please send us your samples as our applications lab will be happy to demonstrate our systems' capability and mark them for you!



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