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Product Update



STEALTH AUTOMATED FIBER LASER MARKING SYSTEM

Lake Mary, FL., March 10, 2009 - [Laser Photonics](#), the industry leader in developing high-tech Fiber and Co2 laser systems for marking, cutting and engraving applications, announced today the release of a new automated laser part marking system, [The Stealth](#).

The Stealth is the first automated laser part marking system that is specifically designed for manually operated mass production environments. This high-tech system is fully automated and essential for any production facility that is consistently marking a variety of parts which need quality verification.

The system contains:

- A standard Laser Photonics fiber laser marking system
- Integrated vision system
- RFID system
- Material fixture handling system
- PLC automation system

The combination of all of these systems into one unit is a breakthrough concept that is helping manufacturing facilities around the world increase their throughput time while making sure each component is properly marked and tracked. Due to its automated ("hands-off") design, The Stealth does not need a trained laser operator to complete a marking task, which greatly reduces payroll expenses.

STEALTH™
AUTOMATED FIBER LASER MARKING SYSTEM



To operate The Stealth, after the machine is turned and activated into Automatic mode, it will wait for the operator to place a fixture into the machine. Once the system detects the fixture, it will lock it in place. After the operator removes his hands from the laser marking environment, the machine door will fall by gravity to the closed position and the marking process will begin without any additional input from the operator. If obstructions are detected in the machine tool entry, or the fixture is not locked in place, the machine will not start. The machine door is double-redundant and hardwired to the interlock system of the laser; therefore the laser will never fire if the door is open. Additionally, the door

is gravity fed in order to close and meets the weight requirements in that it cannot cause any harm while closing. When the marking is complete, the internal vision system captures the images and verifies that it meets the necessary standards. Then, the door will open, the fixture will unlock and the operator can remove the marked part and insert the next piece.

The Stealth is the first automated industrial system which uses fiber laser technology. These systems have already gained much attention from manufacturers looking to take their production speed and high quality laser marking and engraving to the next level. This laser system allows the longest user life (50,000 + hours), most precise mark while requiring minimal maintenance. Laser

Photonics will begin regular production of the systems within the next month. However, the first Stealth system has already been delivered and is operating flawlessly in a Delphi facility in Mexico.

Developing [laser marking](#), [laser cutting](#) and [laser engraving](#) systems for precision material processing industries, Laser Photonics is leading the way with innovative fiber laser and CO2 laser systems. Our laser machines are used by manufacturers in the automotive, aerospace, industrial, defense, electronic and medical industries around the world. For more info visit www.laserphotonics.com or call 407-829-2613.

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