

# LASERDRILL™ - MM2500 D

Improve performance, increase yield, reduce manufacturing costs

A compact, industrial, precision laser micromachining platform, designed to accommodate a range of laser types and material handling options.

The MM2500 is a fully integrated, stand alone laser tool for a variety of precision laser processing and micromachining applications, from R&D through to full-scale 24/7 manufacturing.

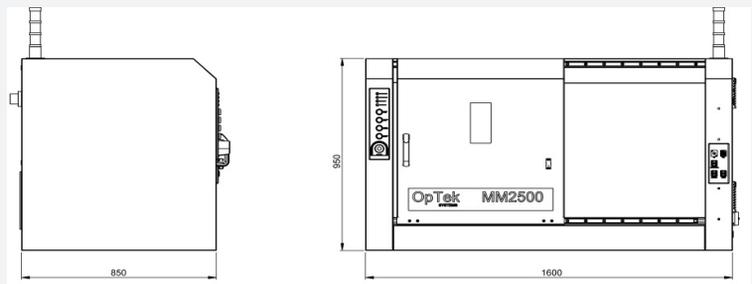
Compatible with a range of laser types and beam delivery options, it provides a convenient workhorse for processing metals, ceramics, polymers, composites and glasses.



## FEATURES

- Rugged construction for stable operation
- Sliding “L” door for maximized access to workspace
- Compatible with a range of industrial laser sources
- Intuitive and user friendly interface, can be tailored to your specific needs.
- Motion control and optical scanning systems, tailored to specific requirements
- Digital vision system for process control options
- CE Marked and certified

## DIAGRAM



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## SPECIFICATIONS

The MX2500D-1060/532-20/100-G is galvo-delivered fiber-laser powered drilling machine. It features power levels from 20 to 100W, and wavelengths of 1060 or 530nm.

It is housed within the OpTek MX 2500 platform, and features OpTek LaserDrill™ Software control

Primary applications include metals, ceramics, polymers and composites

|                             | LASERDRILL™ - MM2500 D |       |        |        |
|-----------------------------|------------------------|-------|--------|--------|
| Laser power (W)             | 20-100                 |       |        |        |
| Laser Wavelength (nm)       | 1060/530               |       |        |        |
| Laser Pulse duration (ns)   | 11-1000                |       |        |        |
| Laser repetition rate (kHz) | 1-1000                 |       |        |        |
| Field size (mm)             | 80x100x150x250         |       |        |        |
| Typical hole diameter (µm)  | 50/30                  | 70/40 | 100/60 | 150/80 |
| Maximum hole diameter (mm)  | 79                     | 99    | 149    | 249    |
| Minimum hole diameter (µm)  | 30/15                  | 50/25 | 75/38  | 100/50 |
| Pointing stability (µm/°C)  | 8                      | 10    | 15     | 25     |
| Drill speed (hole/s, max)   | 20000                  | 17500 | 1400   | 10000  |

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