

MICROMACHINING TOOL-MM2500 C LASERCUT™

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.

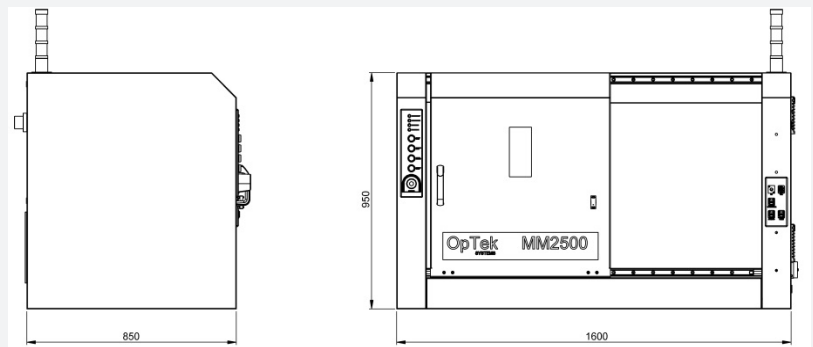
Compatible with a range of laser types and beam delivery options, it provides a convenient workhorse for processing metals, ceramics, polymers, composites and glasses.



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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 **OPTEKSYSTEMS**
A HUMANETICS COMPANY

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SPECIFICATIONS

The MM2500C-1060/532/355-XX-S is a stage-driven laser cutting machine. It features power levels from 2 to 100W, and wavelengths in the infra-red (~1060nm), visible (~530nm) or ultra-violet (~355nm).

It is housed within the OpTek MM 2500 platform, and features OpTek Laser Cut™ Software control.

Primary applications include metals, ceramics, polymers and composites.

	MM2500 C LASERCUT™			
Laser power (W)	2-100			
Laser Wavelength (nm)	1060/530/355			
Laser Pulse duration (ns)	1-1,000			
Laser repetition rate (kHz)	1-10,000			
Cutting bed size (mm)	300x300			
Focal length (mm)	25	50	100	200
Typical kerf width (µm)	13/8/4	25/15/8	50/30/16	100/60/30
Minimum kerf width (µm)	8/4/3	15/8/5	15/8/5	100/50/20
Pointing stability (µm/°C)	2	3	5	10

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