

# LaserWrite™ max

Marking, Etching, Engraving, Annealing of complex shapes & materials

Introducing our leading-edge multi-axis marking solutions, using world-leading laser technology and automation

Fixture-free 3D marking, etching, engraving and annealing of text, logos, serial numbers, 2D data codes and images has never been easier.

The LW max offers a larger footprint on a mobile chassis, with options such as manual or programable X-Y and Z stages, rotary axis, integral fume extraction and 2D code readers.

A selection of laser wavelengths and powers ensure you get the right solution for a multitude of materials. The LW max is a turnkey Class 1 system with an increased part loading area, vertical lift door and the ability to handle complex shapes and curvatures. It includes an integrated touchscreen PC with intuitive software for ease of operation.



## KEY ADVANTAGES

- Highly Versatile Fixture-Free Marking, Etching, Engraving and Annealing
- CA/CE Approved Class 1 Laser Safe Industrial Design
- Intuitive set-up and operation
- A mobile chassis to offer maximum flexibility
- The LW max can be located within an existing production line or operate as a standalone turnkey workstation.

### METAL MARKING & PROCESSING



White & Black-oxidised marking: Aluminium Coating

### RESIN MARKING & PROCESSING



Contrast Marking: Resin Case

### BLACK-COLOUR MARKING



### ETCHING



Marking can be performed in which only the surface of the target is etched.



Damage-free Marking - Carbon Tool



Damage-free Marking: Mould Package



Thin Film Processing: Metal Plated Connectors



Coating removal: Switches for automotive instrument panes

### MARKING TYPES



To find out more visit [opteksystems.com](http://opteksystems.com)

Provisional\_DS10/1

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## SPECIFICATIONS

Chassis Dimensions WxDxH (mm)	L950 x W950 x H1800 door closed L950 x W950 x H2100 door open
Marking Area (mm)	Min Marking Area (mm) 125x125x42 Max Marking Area (mm) 330x330x42
Internal breadboard baseplate	750x750mm, M6 holes on a 25mm pitch
Supply Voltage	240 V 120 V
Fume Extractor	Extraction port is internal on the LW max

## SPECIFICATIONS

	WL	POWER	AREA	WD	APPLICATIONS
Laser	1.064um (YVO)	25W	125 x 125 x 42	189	Black Marking, Carbide Tools, Metal Plated Connec- tors, Automotive Switches
			330 x 330 x 42	300	
		13W	125 x 125 x 42	189	
			330 x 330 x 42	300	
	1.090um (Yb)	50W	125 x 125 x 42	168	Metals, Resins, Ceramics, Thin Films
			300 x 300 x 42	300	
		30W	125 x 125 x 42	168	
			300 x 300 x 42	300	
	10.6um (CO2)	30W	50 x 50 x 4	92	Cartons Bottles, PCBs, Cermics, Name plates, Air Filters
			120 x 120 x 42	189	
			300 x 300 x 42	300	
		20W	50 x 50 x 4	92	
120 x 120 x 42			189		
300 x 300 x 42			300		
Included	PC & Arm				
	Mobile Chassis				
Options	Extract				
	2D code reader				
	Manual or Automated X-Y Stages				
	Manual or Automated Z-Stage				
	Rotary Axis				