Bench Laser

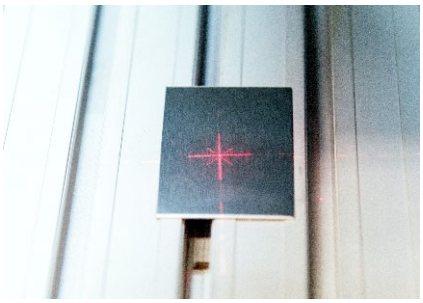
Marking Windows
100mm x 100mm
60mm x 60mm
140mm x 140mm
150mm x 150mm

20W Fibre laser
20W Pro Fibre laser
50W Fibre laser

Entry level laser marking for many common applications. Our bench laser has proven to be a reliable and high-quality marking solution for our customers. It offers high contrast surface marking and engraving on a wide range of materials.

The laser is highly suited to batch production and high variety output. It is offered with a two-year product warranty.

The Pryor bench laser is a UL listed product, having gone through an in-depth certification process.



STANDARD FEATURES (MCYBL1010U)

- PC based software with reliable and robust USB connection to laser
- Lens offering 100mm x 100m marking window as standard
- 100mm programmable z-axis for setting focal height of laser
- Visible pilot beam shows marking location for fast set-up
- High reliability. Maintenance free, no consumables, 2-year warranty
- Fit and forget performance with diode life exceeding 50,000 hrs of operation

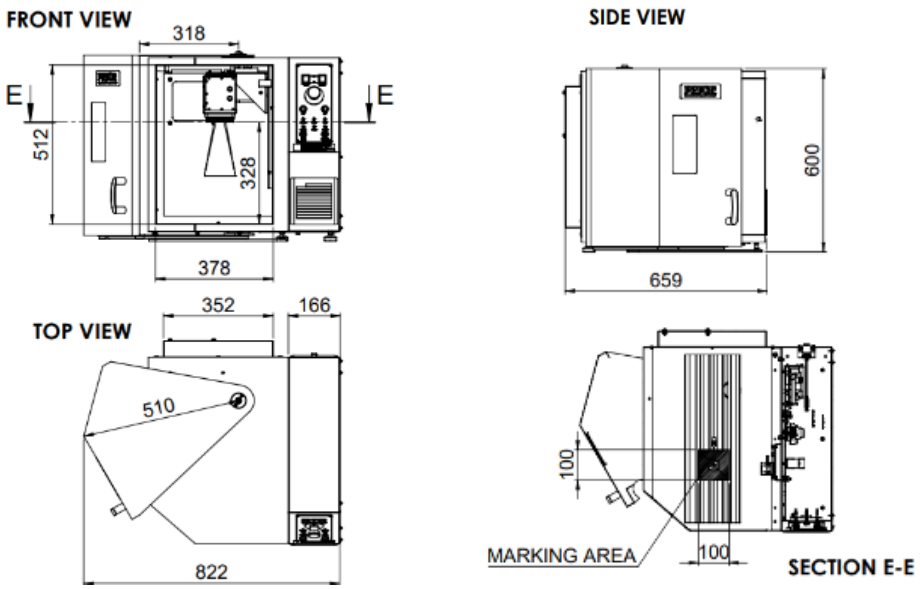
APPLICATIONS

- Small/Medium components
- Aerospace components
- Automotive components
- Medical Instrument marking
- High precision, quality marking
- Low/medium volume production
- Batch marking of small items

OPTIONAL VERSIONS	Benefits / Requirements	Option code
20W Pro	Greater number of laser pulse widths and larger frequency range giving a greater mark variability, colouration, surface marking and deep engraving.	OPTL20WP
50W	Suitable for higher speed or depth applications, removes more material quicker, producing a deeper and cleaner mark.	OPTL50W
FT-100 lens	60mm x 60mm marking area, maximum component height of 258mm	OPTLFT100
FT-220 lens	140mm x 140mm marking area, maximum component height of 106mm	OPTLFT220
FT-254 lens	150mm x 150mm marking area, maximum component height 41mm	OPTLFT254
Fume extraction: standard	Light use fume extraction for removal of dust and fumes. Comes with set of flat pre-filters and a HEPA filter. Vents to atmosphere.	OPTLFE01S
Fume extraction: heavy duty	Designed for heavy use applications. Comes with large capacity bag filter and HEPA filter. Vents to atmosphere.	OPTLFE02H

TECHNICAL DATA				● Standard ○ Optional	Product / Option Code
Lens options	**Marking area** 100mm x 100mm 60mm x 60mm 140mm x 140mm 150mm x 150mm	**Max marking height** 196mm 258mm 106mm 41mm	**Lens name** FT150 lens FT100 lens FT220 lens FT254 lens	● ○ ○ ○	MCYBL1010U OPTLFT100 OPTLFT220 OPTLFT254
Weight	90kg			●	-
Dimensions	Outer dimensions: W: 822mm H:600mm D: 659mm Internal dimensions: W: 448mm H: 591mm D: 628mm			●	-
Laser source	**Laser source** 20W 20W Pro 50W	**Frequency range** 20kHz – 200kHz 1.2kHz – 1MHz 20kHz – 200kHz	**Waveform(s)** 100ns 4,8,14,20,30,50,100,200ns 100ns	● ○ ○	- OPTL20WP OPTL50W
Controller/supply requirements	**Controller** USB-PC		**Supply requirements** 230V 50Hz / 110V 60Hz	●	-
Maximum scanning speed	5000mm/s			●	-
Long-term power stability	1-3%			●	-
Operating temperature	0 - 42°C			●	-

FT150 Lens



All measurements in millimetres unless otherwise stated

COMPATIBLE ACCESSORIES	Description	Product Code
Safety goggles	Laser safety goggles for use with Class 4 laser product, including bench laser with door open and safety override unlocked	-
Circumferential fixture	Rotary axis for marking cylindrical components and surfaces	ACCBDCF01
Auto label feed	Adjustable label feed for automatic feed and marking of label stacks	ACCCLLF
XY table	Provides an overall marking area of 200mm x 200mm by moving components within cabinet	ACCLXY
Label fixture	For right angled labels/parts 35-100mm x 20-75mm x 0.5-2.0mm	ACCBDFX01