

Workstation Lasers

Enclosure sizes (W x D)

- 1.0m x 0.5m
- 1.5m x 0.5m
- 2.0m x 0.5m

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

Pryor's range of floor standing lasers offer a robust and practical marking solution for large and awkward components.

The enclosure design maximises internal space and makes access into the enclosure easier and quicker. The enclosure is modular, and several standard options can be purchased to improve productivity and increase flexibility, including automatic doors.

The laser is highly suited to high volume, high variety output and is offered with a two-year product warranty.



STANDARD FEATURES (MCYWL105U)

- PC based software with reliable and robust USB connection to laser
- Supplied with PC, monitor and keyboard on adjustable control arm.
- 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 50,000hrs
- Manual, front opening doors

APPLICATIONS

- Medium/large components
- Aerospace components
- Automotive components
- Medical Instrument marking
- High precision, high quality marking
- Low and medium volume production

OPTIONAL VERSIONS

Benefits / Requirements

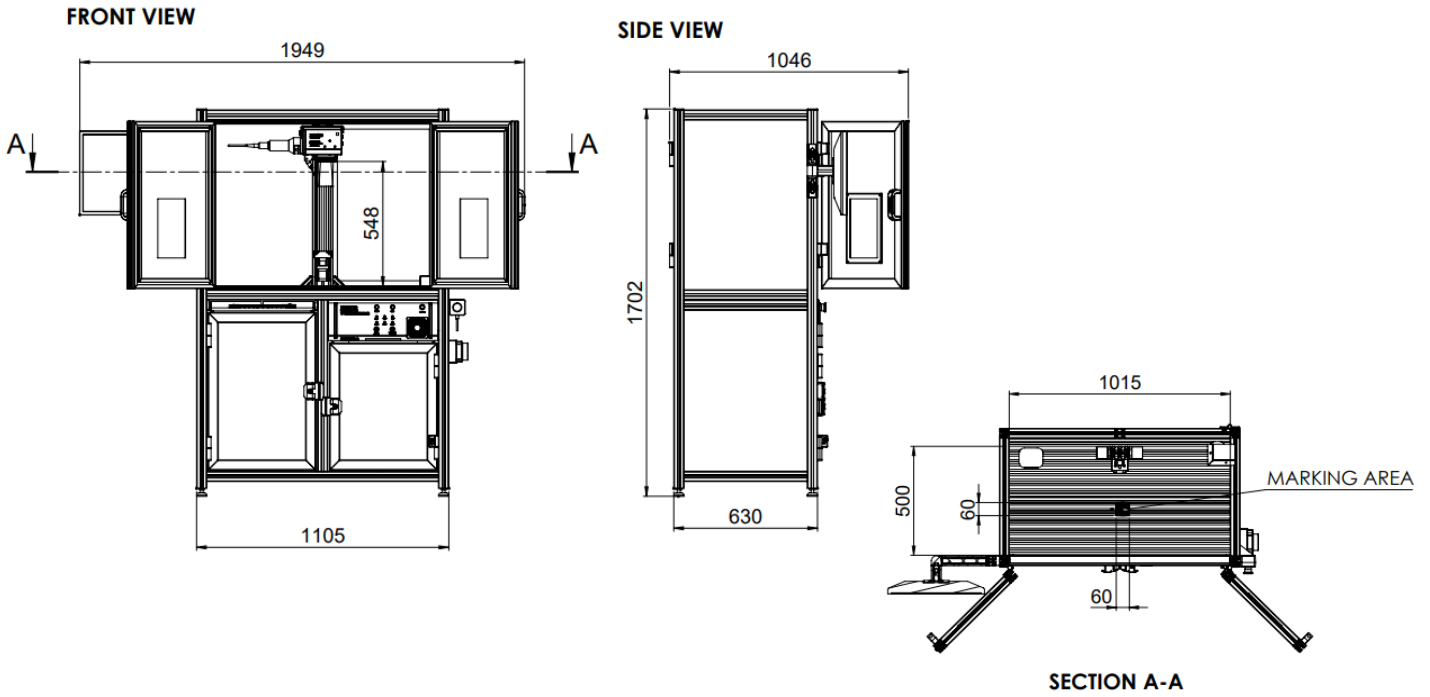
Option code

Automatic door	Vertically opening, pneumatically operated automatic door	OPTWLAD
Side access door	- Side opening door for marking of components longer than cabinet	OPTWLSD
Adjustable x-axis	- Laser scan head and z-axis mounted on adjustable sliding axis for larger marking area	OPTWLAX
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

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 450mm 512mm 360mm 295mm	Lens name FT150 FT100 FT220 FT254	● ○ ○ ○	MCYWL105U OPTLFT100 OPTLFT220 OPTLFT254
Weight	>275kg depending on size and options			●	-
Dimensions	W: 1200mm H: 1935mm D: 675mm W: 1700mm H: 1935mm D: 675mm W: 2200mm H: 1935mm D: 675mm			● ○ ○	MCYWL105U MCYWL1505U MCYWL205U
Laser source options	Source option 20W 20W Pro 50W	Frequency range 20kHz – 200kHz 1.2kHz to 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			●	-
Cooling method	Active air cooling			●	-

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	ACCBDA01
Auto label feed	Adjustable label feed for automatic feed and marking of label stacks	ACCBDA1F
XY table	Provides an overall marking area of 200mm x 200mm by moving components within cabinet (larger versions also available)	ACCLXY

1m x 0.5m, manual doors, FT100 lens



1.5m x 0.5m, manual doors, FT150 lens

