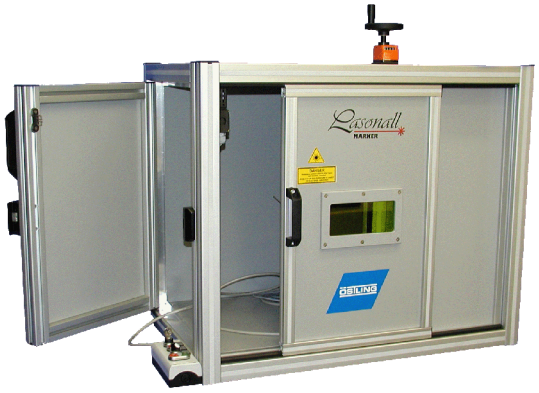
L3-WK15-MZ

Lasonall Laser Marking System

A fully enclosed Class 1 laser marking workstation ready to incorporate onto your existing worktable. Suitable for high volume applications in an industrial environment. Laser marking unit head and work surface are completely protected by surrounding enclosure. Included are all safety interlocks, operator control pendant, and a safe viewing glass. Includes part loading door with auto start feature and full size interlocked service door with key lock.

Lasonall MARKER



Features

- **Benchbox Class 1 full-size laser marking workstation**
  Nd:YAG diode-pumped laser marking system
- **Safety viewing glass**
  Allows safe viewing of marking process
- **Fixed twin-rail manual z-axis with height gauge**
  Manual z-axis height control
- **Front-mounted part loading door with auto-start**
  Marking can be started upon closing this door
- **Full-size service door**
  Allows easy access to laser for maintenance and service
- **Operator control pendant**
  With keylock, shutter control, start, and emergency stop
- **Safety interlocking**
  Fully integrated operator safety interlocking
- **Standard 160mm lens**
  Optional 100mm and 254mm lenses are available
- **Single-plug power supply**
  One 115V plug powers the entire unit
- **Creator Pro IV graphics software**
  Easy graphics handling and VBScript customization
- **Operation and safety manuals**
  Printed and electronic documentation is sent with laser

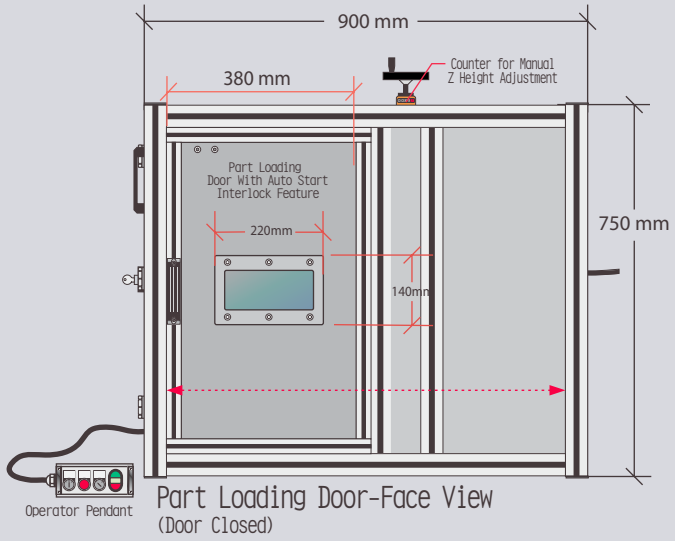
Options

- Aer-Pro cleaning system
- Startup kit
- Custom part fixturing
- 100mm and 254mm lenses

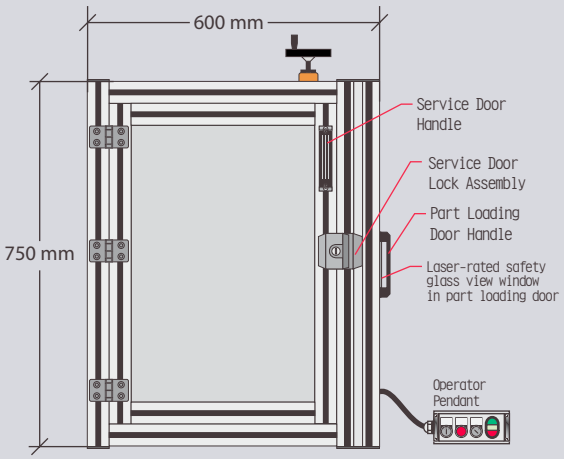
Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com

Mod. 50529
Rev. 1.3

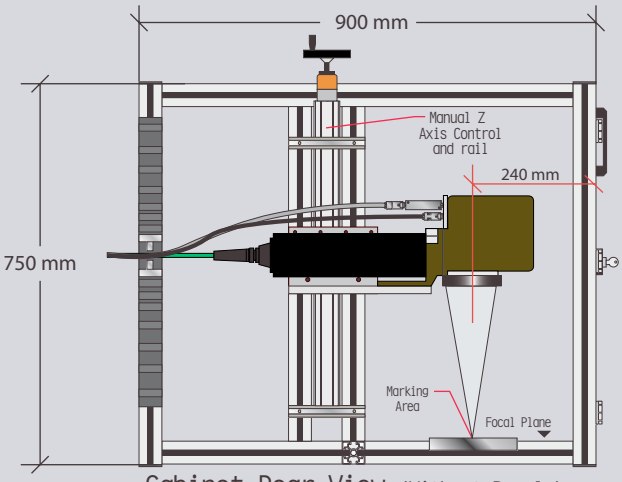
Workstation Configuration



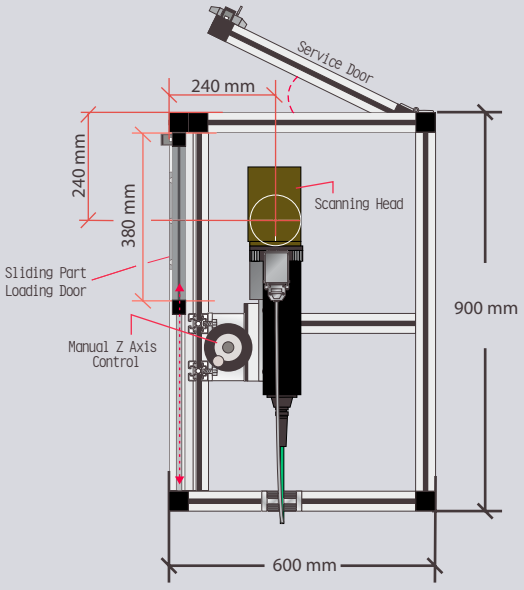
Part Loading Door-Face View
(Door Closed)



Service Door-Left Side View



Cabinet Rear View (Without Panels)



Top View

Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com

Laser System Technical Specifications

Laser Model	Lasonall 3
Laser Medium	$Nd:YVO_4$
Wavelength	1064 nm
Nominal Power	20W ± 5%
Mode / Beam Quality	$M^2 < 2$
Frequency	TTL 20kHz to 300kHz
Laser Pumping Source	Diode Laser
Expected Lifetime	8000+ hours
Aiming Beam	Red Laser Diode
Aiming Beam Wavelength	635 nm Class IIIA
Marking Head	Scanlab SCANgine10
Objectives (Flat Field)	100 mm / 160 mm / 254 mm
Scanning Length (Focal Distance) / 2y	87 mm / 140 mm / 222 mm
Marking Area (mm x mm)	50 x 50 / 110 x 110 / 180 x 180
Minimum Spot Diameter (in microns)	20 / 30 / 40
Power Supply	115V / 230V AC
Rack Dimensions (in mm)	500 x 180 x 450
Resonator / Scanning Head Dimensions (in mm)	615 x 120 x 175
Rack Weight	75 lbs (34 kg)
Laser Weight	18.3 lbs (8.7 kg)
System Weight (does not include cabinet weight)	93.3 lbs (42.7 kg)
Working Laser Class	Class IV
Aiming Beam Laser Class	Class IIIA
System Laser Class	Class I
IEC Conformance Reference	EN 60825
FDA Accession Number	0221599

Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com