



Lasonall
MARKER *

The Lasonall RT 500 is a fully automatic Class I laser marking system. It features an 500 mm indexing rotary table, an integrated automatic z-axis, integral interlocking, and a safety viewing glass. The system is ideal for production environments requiring an automated and fast marking system that is easy to use and safe.

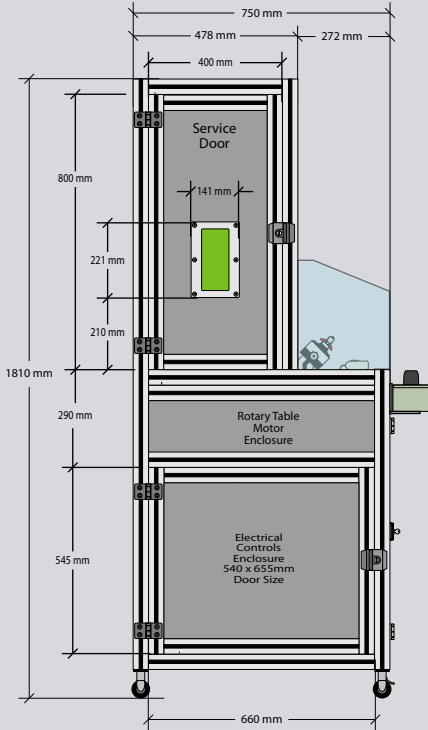
Features

- **Complete floor-mounted Class 1 laser marking workstation**
Nd:YAG diode-pumped laser marking system
- **Two-position 500mm rotary index table**
Allows for easy part handling and feeding
- **Automatic programmable z-axis**
Fully automatic and programmable sliding z-axis
- **Two-hand anti-tie down touch sensors**
For safety, both hands must activate touch sensors
- **Operator control console**
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
- **Floor-standing legs**
Come with lockable caster wheels for easy moving
- **Side-mounted computer console**
A laser control computer can be provided
- **Creator Pro IV graphics software**
Easy graphics handling and VBScript customization
- **Operation and safety manuals**
Printed and electronic documentation is sent with laser
- **Light curtain**
Stops the rotary axis if there is an obstruction

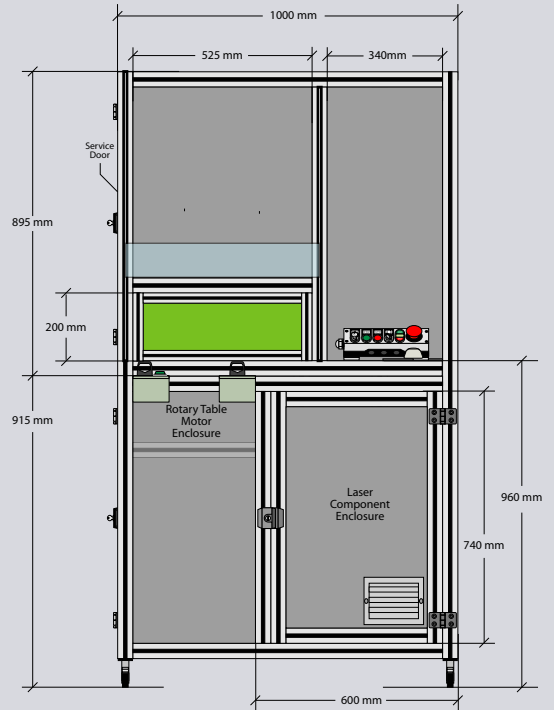
Options

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

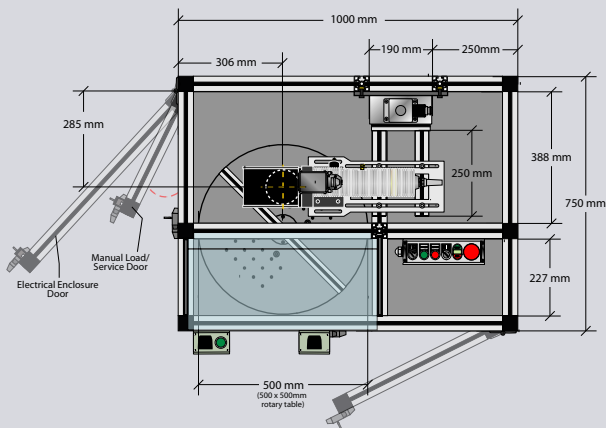
Workstation Configuration



LEFT SIDE VIEW
Service Door Side



FRONT VIEW
Part Loading Location



TOP VIEW
Showing Table Rotation

Laser System Technical Specifications

| Laser Model | Lasonall 2 |
|---|--|
| Laser Medium | Nd:YVO ₄ |
| Wavelength | 1064 nm |
| Nominal Power | 10W ± 5% |
| Mode / Beam Quality | M ² < 2 |
| Frequency | TTL 10kHz to 200kHz |
| Laser Pumping Source | Diode Laser |
| Expected Lifetime | 8000+ hours |
| Aiming Beam | Red Laser Diode |
| Aiming Beam Wavelength | 635 nm Class IIIA |
| Marking Head | Scanlab SCANgine10100 mm / 160 mm / 254 mm |
| Objectives (Flat Field) | 87 mm / 140 mm / 222 mm |
| Scanning Length (Focal Distance) / 2y | 50 x 50 / 110 x 110 / 180 x 180 |
| Marking Area (mm x mm) | 20 / 30 / 40 |
| Minimum Spot Diameter (in microns) | 115V / 230V AC |
| Power Supply | 500 x 180 x 450 |
| Rack Dimensions (in mm) | 610 x 120 x 175 |
| Resonator / Scanning Head Dimensions (in mm) | 44 lbs (20 kg) |
| Rack Weight | 18 lbs (8 kg) |
| Laser Weight | 62 lbs (28 kg) |
| System Weight (does not include cabinet weight) | Class IV |
| Working Laser Class | Class IIIA |
| Aiming Beam Laser Class | Class I |
| System Laser Class | EN 60825 |
| IEC Conformance Reference | 0221599 |
| FDA Accession Number | |