

# RT800

## Lasonall Laser Marking System

The Lasonall RT 800 is a fully automatic Class I laser marking system. It features an 800 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.



*Lasonall*  
MARKER \*



### Features

- **Complete floor-mounted Class 1 laser marking workstation**  
Nd:YAG diode-pumped laser marking system
- **Two-position 800mm rotary index table**  
Allows for easy part handling and feeding
- **Automatic programmable z-axis**  
Fully automatic and programmable sliding z-axis
- **Operator-actuated dual palm buttons**  
For safety, both start buttons must be pushed simultaneously
- **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

### Options

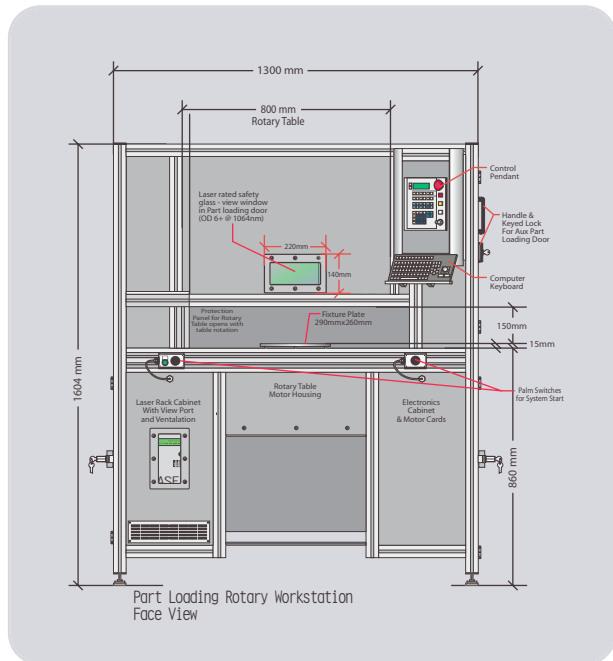
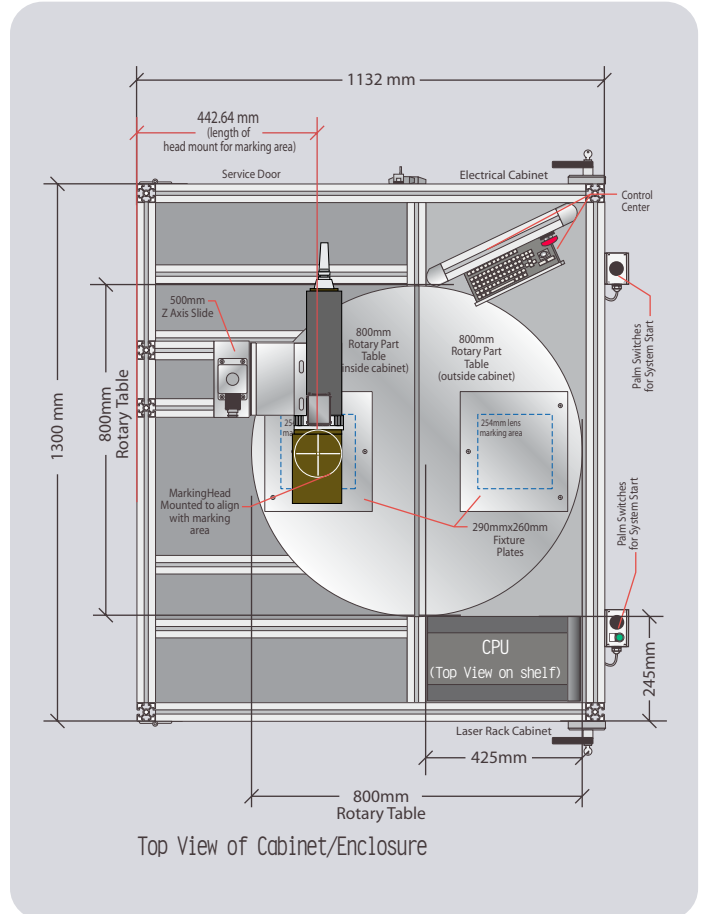
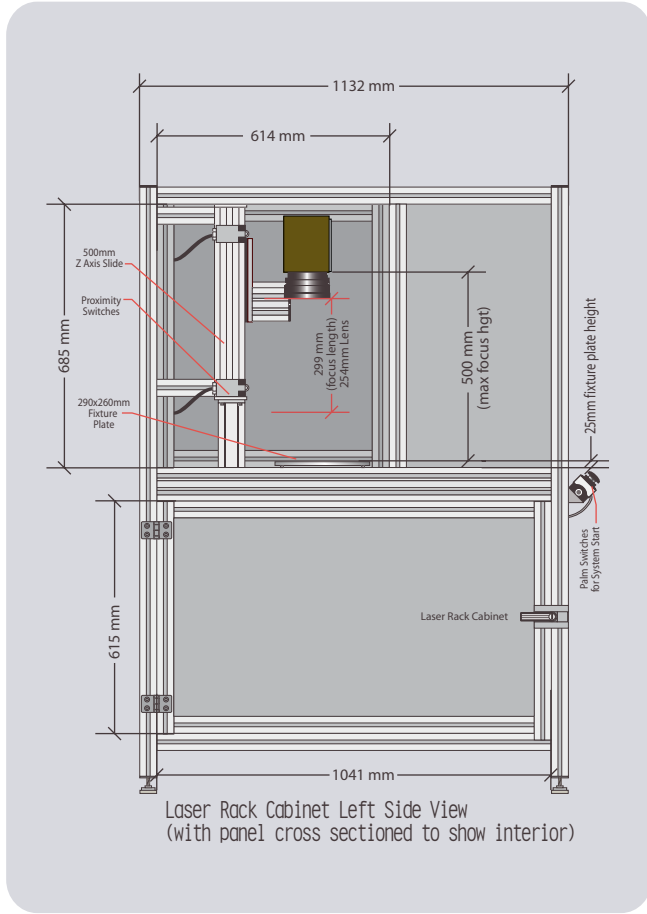
- Side-mounted computer console
- Aer-Pro cleaning system
- Startup kit
- Custom part fixturing
- 100mm and 254mm lenses



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Mod. 50529  
Rev. 1.3

## Workstation Configuration



## Laser System Technical Specifications

<b>Laser Model</b>	<b>Lasonall 3</b>
Laser Medium	Nd:YVO <sub>4</sub>
Wavelength	1064 nm
Nominal Power	20W ± 5%
Mode / Beam Quality	M <sup>2</sup> < 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

