



FULLY AUTOMATED LASER MARKER

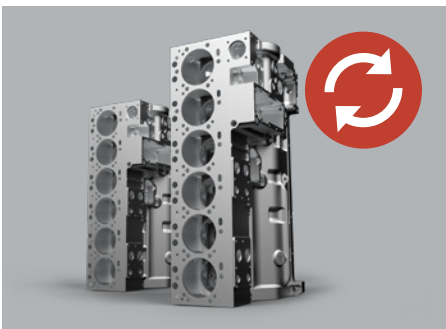
ROTARY TABLE MACHINE

The Rotary Table Machine is an inline laser marking solution designed to optimize your marking cycle time. With a rock-solid build to ensure environmental resistance and safety, it is fully compliant to industrial standards.

The Rotary Table Machine is built for easy integration on new or existing production lines. Using an ultra-fast laser and high-contrast marking, robot assistance is used to load and unload parts onto the fixtures of the dual position rotary table while other parts are marked inside the Class 1 enclosure.



FEATURES AND BENEFITS



MINIMAL IMPACT ON CYCLE TIME

The dual position rotary table assisted by robot allows maximum efficiency when the available robot idle time is less than the laser marking time. This process results in minimal impact on cycle time and can be used as a buffer between two production steps.



INDUSTRIAL GRADE COMPONENTS

With an industrial grade robust design, the Rotary Table Machine is designed for easy integration of inline laser marking to your manufacturing process in the most challenging environments.



SHOTBLAST AND COATING RESISTANT MARKING

Enable complete traceability as parts can be marked directly out of the mold using our patent-pending ultra-fast laser technology that resist shot blasting, e-coating, sand blasting and powder coating.

EVERY GREAT PART DESERVES A GREAT MARK.

GENERAL SPECIFICATIONS

STANDARD ROTARY TABLE MACHINE	
Laser Power	20 to 500 W
Laser Source / Wavelength	Fiber laser / 1064 nm
Laser Source MTBF	100 000 Hours
Marking Configuration (Lens)	Standard, Engraving, Annealing
Typical Weight	1000 kg
Cooling	Air Cooled
Power Requirements	120V, 230V, 240V / 15-40 AMP
Power Consumption	1.5 kW to 5.8 kW
Operating Temperature	10 to 45°C
Communication	Ethernet/IP, Profinet, Profibus
Multi-Parts	With Fixturing
Turn Table Diameter (Larger Diameter Available)	800 mm
Revolving Duration	3 s
Maximum Part Dimensions	Customizable
Part Temperature	Up to 400°C
Part Material	Aluminium, Zinc, Magnesium, Steel, Iron (All Metals)
Marking Surface Roughness (Positioning) Tolerance	Standard +/- 3 mm Engraving +/- 1.5 mm Up to +/- 70 mm with 3D Autofocus
Part Marking Post Process Treatment Resistance	Heat Treatment, Shot Blasting, E-coating, Powder Coating, Shot Peening
General Dimensions	3000 mm x 1250 mm x 900 mm



COMPLETE SOLUTION

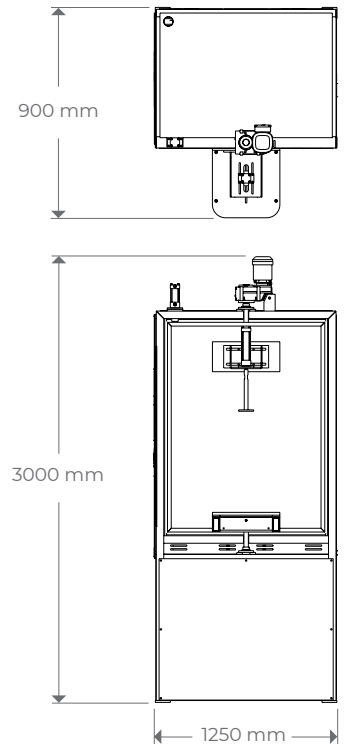
Laser

- 20 to 500 W Laser power
- 2D or 3D Laser for multiple part configurations

Station

- Class 1 Laser safe station
- Harsh environment rated
- Rugged welded steel construction
- Marks in hidden time, allowing the robot to perform other actions during marking
- Integrated in IP66 control cabinet with cooling (IP54 AC or Vortex)
- Minimal footprint with integrated electrical cabinet and filtration unit
- PLC controlled
- HMI control available on a separate 10" panel
- Safety PLC
- Air-knife unit for dust and contaminant protection (minimal lens maintenance)
- Code reading camera with quality metrics available
- Code reading interface screen available

TYPICAL DIMENSIONS



**INDUSTRIAL LASER
SOLUTIONS FOR THE
AUTOMOTIVE INDUSTRY**

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