



# ROTARY CLEANING MACHINE

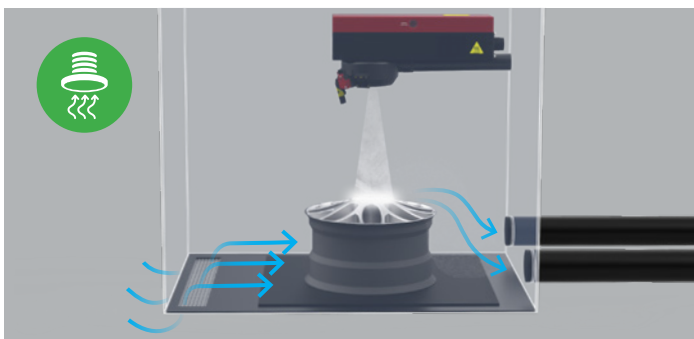
The Rotary Table Machine is a fully automated inline solution designed to optimize your laser cleaning cycle time. It is the go-to laser machine when only a few seconds of robot idle time are available to selectively clean or texture parts. This Class-1 high-power machine can perform several surface treatments, such as cleaning and texturing, and is available with up to 500W of laser power.

This machine is built for easy integration in production lines. Its dual-stage rotary table leverages the robot's assistance to load and unload fixtured parts while a localized laser cleaning process is performed.



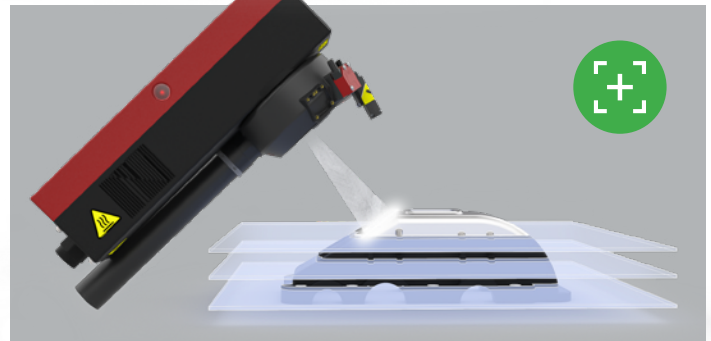
## MAXIMIZE THROUGHPUT

The rotary table machine is the go-to solution when the required cleaning time exceeds the robot's idle time. With the rotary table's dual position indexer, laser cleaning occurs in hidden time, using just a few seconds of the robot's time for part loading.



## ADVANCED FUME MANAGEMENT

The embedded fume management system ensures the constant quality of the process and the work environment's safety. In addition to customized nozzle configurations, the temperature and flow in the extraction unit are continuously monitored to detect any issues, ensuring that the operation is 100% safe for your employees.



## AUTOFOCUSING TECHNOLOGY

The RTM is equipped with an advanced autofocusing system that automatically compensates for misalignment, thermal dilatation and shape fluctuation to ensure the high reliability of the laser cleaning process.



## RAPIDLY ADAPTS TO MULTIPLE PARTS

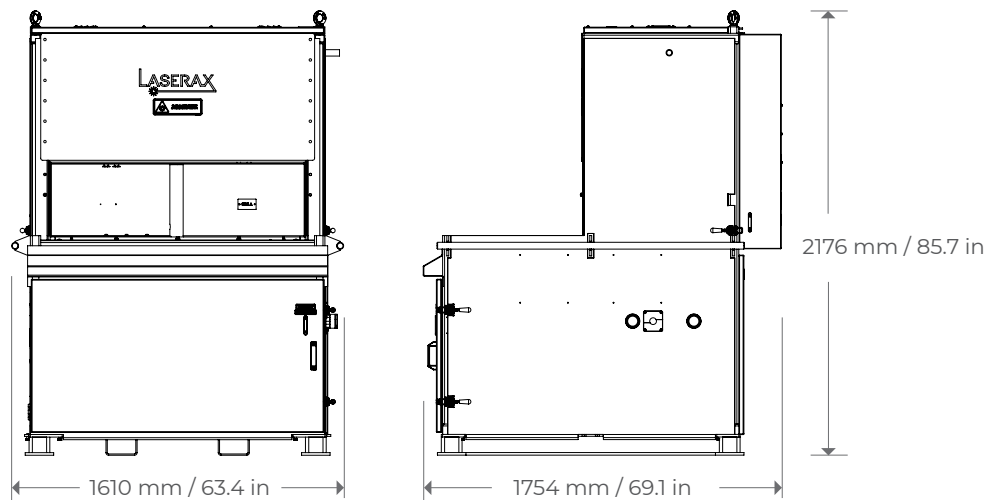
Precisely clean surfaces or texture patterns on a wide variety of parts. With the rotary cleaning machine, you can rapidly switch from one production to another simply by changing fixtures. You can also customize the laser process parameters through PLC communication and with our intuitive HMI.

## TECHNICAL SPECIFICATIONS

| ROTARY CLEANING MACHINE (RTCM)                  |   |
|---|---|
| Laser Power                                     | 20 to 500W  |
| Laser Type                                      | Ytterbium-doped fiber   |
| Wavelength                                      | 1064 nm   |
| Laser Source MTBF                               | 100,000 hours   |
| Laser Process                                   | Cleaning & Texturing  |
| Typical Weight                                  | 1000 kg   |
| Cooling   | Air cooling (water cooling with 500W)   |
| Power Requirements                              | 120V, 230V, 240V / 15-40 AMP  |
| Power Consumption                               | 1.5 kW to 5.8 kW  |
| Operating Temperature                           | 10°C to 45°C  |
| Communications                                  | Ethernet/IP, PROFINET, Profibus   |
| Multi-Parts Cleaning                            | Performed with fixturing  |
| Turn Table Diameter (Larger Diameter Available) | 800 mm  |
| Revolving Duration                              | 3 s   |
| Part Size                                       | Adaptable   |
| Part Temperature                                | Up to 400°C   |
| Part Material                                   | Aluminium, Zinc, Magnesium, Steel, Iron (All Metals)  |
| Part Positioning Tolerance                      | Cleaning +/- 3 mm (+/- 70 mm with Autofocus)<br>Texturing (Engraving) +/- 1 mm (+/- 30 mm with Autofocus) |
| General Dimensions (W x D x H)                  | 1250 mm x 900 mm x 3000 mm  |



## TYPICAL DIMENSIONS



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### LASERAX HEADQUARTERS

101-2811 Watt Ave  
Quebec, QC G1X 4S8  
Canada  
+1 418 780-7324

### LASERAX USA

2401 Parkman Road  
Warren OH 44485  
United States  
+1 412 301-9957

### LASERAX GMBH

Fehrenheitstraße 1  
28359 Bremen  
Germany  
+49 421 2208-121