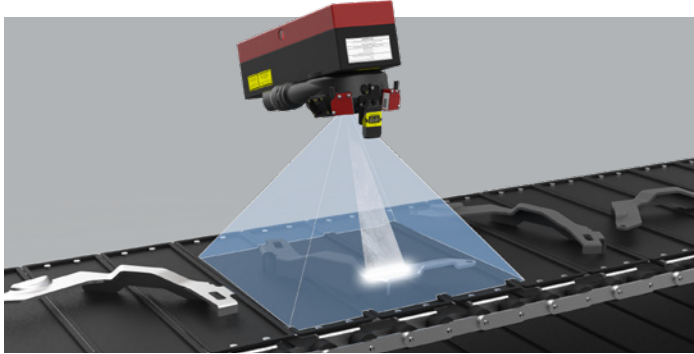




CONVEYOR CLEANING MACHINE

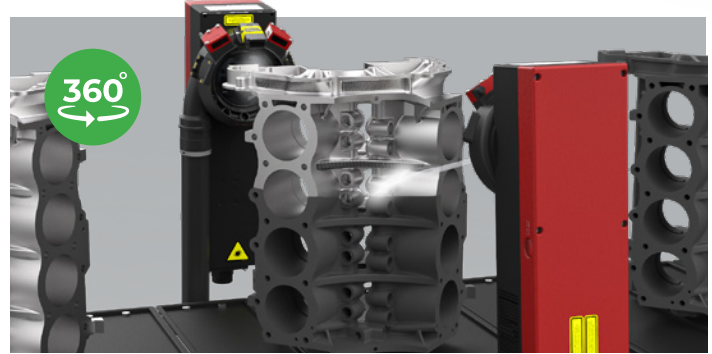
The Automated Conveyor Machine is an inline laser cleaning machine designed to rapidly remove contaminants from parts as they move on a conveyor (on-the-fly technology) or while a conveyor is stopped. This machine is ideal when you need a highly reliable and precise cleaning process, or when you are looking for an alternative to costly consumables and maintenance.

Laser surface treatments are repeatable as the embedded autofocusing system tolerates ± 70 mm of part positioning variations. This fully automated laser cleaning and texturing machine is also equipped with a powerful fume extraction system that captures contaminants at the source, thus maintaining the repeatability of the process.



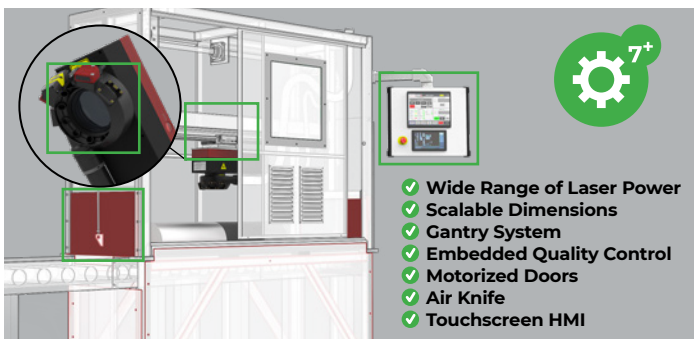
RELIABLE LASER CLEANING PROCESS

Parts on conveyors have various geometries and may lack positioning repeatability. Our unique 3D profiling autofocus system automatically adjusts the machine parameters for every single part to ensure a perfect laser cleaning process.



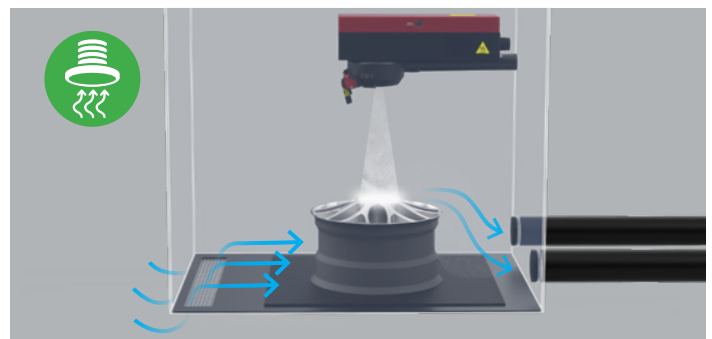
360 DEGREE TREATMENT

The Conveyor Cleaning Machine can clean all sides of parts that move through it. Depending on the geometry of the part to be laser treated, the machine can be equipped with multiple laser heads to ensure full coverage of the part.



FULLY CUSTOMIZABLE SOLUTION

The Conveyor Cleaning Machine is fully customized to your specifications. Not only do we scale it to the dimensions of your conveyor, but we can also install a gantry system to move the laser head as needed. With our vision systems, we also offer embedded quality control of the treated surface.



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.

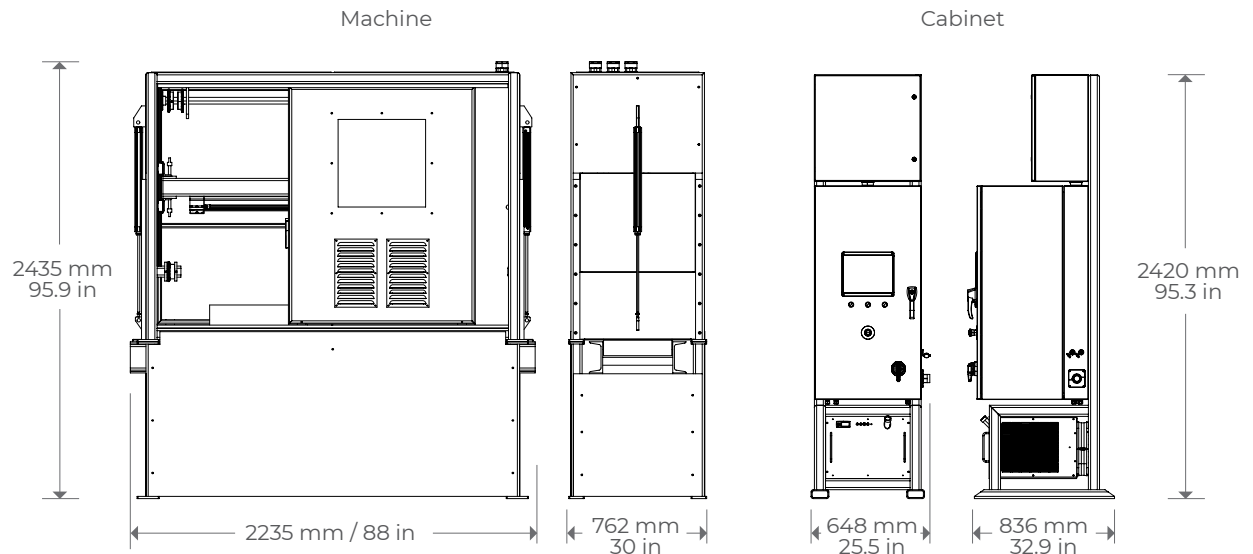
TECHNICAL SPECIFICATIONS

CONVEYOR CLEANING MACHINE (CCM)

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	660 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	Yes, on static or moving parts, up to 45 deg. angle
Part Size	Adaptable
Part Material	Aluminium, Zinc, Magnesium, Steel, Iron (All Metals)
Part Positioning Tolerance	Cleaning +/- 3 mm (+/- 70 mm with Autofocus) Texturing (Engraving) +/- 1 mm (+/- 30 mm with Autofocus)
General Dimensions (W x D x H)	1000 mm x 1400 mm x 2200 mm



TYPICAL DIMENSIONS



INDUSTRIAL LASER SOLUTIONS
VISIT LASERAX.COM

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

Ferrenheitstraße 1
28359 Bremen
Germany
+49 421 2208-121