

TAUCLEAN

Manual Laser Cleaning System

TauClean is the manual laser cleaning system that removes contaminants from metal and non-metallic surfaces in a fast and efficient way without chemicals or abrasives.

With adjustable laser frequencies, it can treat a wide range of materials and thicknesses—from rust to industrial coatings—while preserving material integrity. It is especially suitable for automotive, mold manufacturing, and industrial equipment maintenance.



Before and after TauClean



APPLICATIONS

- Remove rust, corrosion, oxide layers, carbon deposits, grease and oil
- Paint/epoxy stripping and selective coating removal
- Remove platings without compromising substrate material
- Surface preparation and/or finishing
- Mold cleaning and restoration
- Wide range of materials including metals/non-metals, stone, concrete, wood, composite materials and thermoplastics
- Automotive, Aerospace, General Manufacturing, Maritime, Railroad, Medical Devices, Mold Manufacturing, Engines & Turbines, Construction

PLUS

Easy and safe to use

Cleaning "without contact"

Immediate results

No damage or alteration to underlying substrate

Environmental friendly

TECHNICAL DATA

LASER POWER	200W	300W	500W		
LASER MODE	Pulse				
WAVELENGTH	1064nm				
PULSE DURATION	2 ns – 500 ns	30 ns – 500 ns			
LASER FREQUENCY	20 kHz – 4000 kHz				
SCANNING HEAD	2 axis				
MAXIMUM CLEANING SURFACE	170mm x 170mm (field mirror F254)				
MAXIMUM SCAN SPEED	20000 mm/s				
COOLING	Air				
LENGTH OF THE FIBER	5 m	10 m			
DIMENSIONS	590 x 267 x 487 mm	814 x 436 x 530 mm			
WEIGHT	36 kg*	56 kg*			
OPERATING TEMPERATURE	0°C - 40°C				
WORKING VOLTAGE	220 V or 110 V, 50Hz/60Hz				
POWER CONSUMPTION	<2kW*		<3kW*		

* MAY VARY DEPENDING ON THE LASER SOURCE INSTALLED