

LSC300 Laser Cleaning Machine

The LSC300 is a pulse laser cleaning system that offers a safe, fast, and non-contact method of eliminating oil, dust, rust or other residues on the surface of a material without causing damage to the surface of a material. The machine uses short, high-energy laser pulses to clean without physically touching the material, avoiding mechanical wear on your machine.

Thanks to the short, controlled pulses, the laser targets the unwanted contaminant and preserves the base material that lies underneath. This is a very eco-friendly method as there is no need for chemicals, solvents or abrasives – safe for the environment and the machine operator!



Machine Features:

- › Non contact cleaning
- › User friendly touchscreen operation
- › Handy storage area
- › Castor wheels for easy portability
- › Lightweight gun, for easy handling
- › Enclosed ventilation system
- › Durable steel construction
- › Targeted short, controlled pulses

Engrave:

- › Metals
- › Wood
- › Stone/Concrete
- › Plastic
- › Glass
- › Rubber
- › Ceramic/Porcelain
- › Paper



LSC300 specification:

Laser Power: 300W

Laser Type: Infrared Pulse Laser (Class IV)

Laser Source: Max Photonics

Laser Wavelength: 1064nm

Laser Power Adjustment Range: 10-100%

Scan Length: 1-195mm

Scan Width: 1-39mm

Scan Speed: 1-10000mm/s

Laser Bandwidth: $\leq 10\text{nm}$

Pulse Repetition Rate: 1-3000kHz

Max Pulse Energy: 13mJ

Pulse Duration: 50-500ms

Fibre Length: 10m

Power Consumption: $< 2300\text{W}$

Machine Dimensions: 1054mm (L) x 634mm (W) x 1082mm (H)

Machine Weight: 146KG

Cooling System: Self-contained water cooling

Power Supply: 220V +/- 10%, 50Hz

6 Different Light Emission Patterns

Enables the user to save 12 different parameter settings

