

THE LASER FOR THE CLEANING OF ARTWORK

ARTLASER

code: LAALS004.1

In conservation and restoration of works of art of historic and artistic interest, cleaning represents a particularly delicate phase.

It is a well-established conviction that cleaning systems must be selective, must consent a preventive evaluation of the effects produced by the intervention, be harmless both for the restorer and the environment as well as for the work of art. All these conditions are equally necessary, and Artlaser combines all these different requirements.

LAMBDA, always attentive to collect the requirements of people involved in conservation and restoration, has developed ArtLaser, an instrument able to guarantee the cleaning of stone surfaces without harming the original surface.

The beam shot by ArtLaser is absorbed by the superficial dirt which is removed without affecting the stone substrate and therefore it guarantees: selectivity, self limitation and no alteration of the chemical characteristics of the underlying material. Thanks to its technology it is therefore possible to work on highly decayed materials by performing cleaning without the need for pre-consolidation.

The compact size and shape, its easy of use and sturdiness designed for intense work, make ArtLaser a suitable instrument for sites that require a rapid and uniform cleaning.



The Laser gun and eye protection goggles are contained in a proper storage compartment; compact design makes it easy to transport inside your vehicle.



By means of the equipment belt, hoisting on the scaffolding is easy

LAMBDA SpA

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Azienda con Sistema di Gestione
per la Qualità certificato secondo



UNI EN ISO 9001:2008
UNI EN ISO 13485:2004



WOODEN CEILING



WALL PAINTING



CLEANING OF GRAFFITI



TECHNICAL FEATURES

Laser source	Nd:YAG
Wavelength	1064 nm
Delivery System	laser gun
Control	all parameters can be adjusted by means of a control panel
Energy	adjustable from 0 to 350 mJ
Pulse duration	10 ns
Repetition rate	adjustable from 0 to 33 Hz
Spot	circle: adjustable in diameter (from 1 to 12 mm)
Pointing system	continue laser diode
Power	5 mW
wavelength	670 nm (red)
Line	220 VAC \pm 20%/50 Hz monofase
Power:	
Stand by	330W 1,5 A
Max Energy	2200W 10 A
Cooling	gas/water (deionized water)
Laser size	(LxHxW) 61x60x78 cm
Laser gun size	(LxHxW) 35x8x8,5 cm
Weight (laser)	100 kg (about)
Weight (gun)	3 kg
Class	Laser class 4

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