

EOS COMBO

Nd:YAG laser with double pulse duration

- ✓ The most versatile system on the market
- ✓ Two pulse duration regimes for the successful application on every kind of material
- ✓ Easy-to-handle and performing optic fibers



LIGHT FOR ART

MORE VERSATILITY

The Eos Combo, the result of a collaboration between El.En. and the Italian National Council for Research (CNR) in the framework of the TEMART Project (POR CreO FESR 2007-2013), combines two pulse duration regimes in one system.

By pressing a key you can move from the Short Free Running (SFR) mode, with a pulse duration ranging from 30 to 110 microseconds, to the Long Q-switch (LQS) regime with 100ns pulses.

This versatility allows the treatment of a wide variety of materials, such as **stones, metals, wall paintings, wood, ceramics.**

The system was tested under the most difficult field conditions and, thanks to its sealed laser head, demonstrates high reliability. The Eos Combo, employing new optical fibers, combines manageability and performance, guaranteeing the conservator the optimization of costs and results.

TECHNICAL DETAILS

Wavelength	1064 nm
Pulse duration	SFR mode: 30 - 110 µs; LQS mode: 100 ns
Max energy per pulse	SFR mode : 2 J ; LQS mode: 150 mJ
Repetition rate	Selectable between single pulse 1÷10Hz, 15Hz, 20Hz, 30 Hz
Spot	2.5 - 6 mm
Beam delivery	1200 µm optical fiber, 3 m long
Handpiece	Variable focus
Beam profile	homogeneous
Aiming beam	laser diode 3 mW (635 nm)
Power supply	230V – 50/60 Hz – 12A
Dimensions	33x95x75 cm
Weight	80 Kg
Laser shutter	Controlled by footswitch
Cooling circuit	Water/air



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