

EOS 1000 LQS

Nd:YAG laser with optimized pulse duration

- ✓ Light, handy and versatile system
- ✓ Ideal for use on accurate interventions
- ✓ Efficient on different kind of materials



MORE VERSATILITY

EOS 1000 LQS features a long Q-switch pulse length (100ns). This laser system was specially designed and tested for cleaning the gilded bronze frieze of the Gates of Paradise, by Lorenzo Ghiberti, at the historic Baptistery in Florence Italy.

From its application this bronze masterpiece, this laser use has spread to a wide-range of applications. The EOS 1000 LQS is highly versatile, compact and light weight system for restorers. EOS 1000 LQS is suitable for very precise cleaning work on **metal and gilded surfaces, frescoes and painted surfaces, wood, valuable stone artifacts**. The laser beam is delivered through a 3m optical fiber to hand-held laser optic with a variable focal length for precise spot size and intensity adjustments.

TECHNICAL SPECIFICATIONS

Wavelength	1064 nm
Pulse duration	100ns
Max energy per pulse	150 mJ
Repetition rate	Selectable: single pulse, 1 ÷ 10Hz, 15Hz, 20Hz
Spot	1.5 - 6 mm
Beam delivery	1200 µm optic fiber, 3m long
Handpiece	Variable focus
Beam profile	homogeneous
Aiming beam	Laser diode 3 mW (635 nm)
Power supply	230V – 50/60 Hz – 8.5A
Dimensions	23x65x68 cm
Weight	40 Kg
Laser shutter	Controlled by footswitch
Cooling circuit	Water/air



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