

# EOS 1000 LQS

This laser system is optimized for especially delicate and significant works of art such as frescos, gilded surfaces, wood, and stones. The use of optic fibers and the variable-focus hand piece are an added vantage. EOS 1000 LQS has energy values included between 130 and 380 mJ, reaching efficiencies so far attainable only with larger lasers. EOS 1000 LQS is one of the most reliable laser systems due to its effectiveness, safety and range of application in the preservation of the cultural heritage.

- Light, handy and versatile system
- Ideal for the use on accurate interventions
- Efficient on different kind of materials (stones, wall paintings, metals, wood)

Rent our systems

## TECHNICAL DATA

Wavelength 1064 nm

Pulse duration 100ns

Maximum energy per pulse 130 mJ

Energy selectable between 130 mJ (1 pulse), 250 mJ (2 pulses) and 380 mJ (3 pulses)

Repetition frequency selectable between single pulse, 1÷10 Hz, 15 Hz, 20 Hz

Spot 2.5 - 6 mm

Beam delivering 1000 µm optic fibre 3 m long, (10m optional)

Handpiece variable focus, with beam guide

Beam profile homogeneous

Aiming beam diode laser 3 mW ( 635 nm)

Mains supply 230 V - 50/60 Hz, 8.5A

Dimensions 23 X 65 X 68 cm

Weight 40 kg

Nd:YAG laser shutter pedal-controlled by the operator

Cooling circuit sealed with heat exchanger (air/liquid)

