



# BRESCIANI

## Restorasyon ve Koruma Malzemeleri ve Ekipmanları



TEKNİK VERİ SAYFASI

ver.1/1

## LASER EOS 1000 LQS

### Art. 19774

The fruit of recent research the EOS 1000 LQS laser system has been designed and constructed for use in restoration operations that call for the utmost precision and accuracy, such as frescoes, gilded surfaces, wood, and prestigious sculptures. By adopting a special intermediate pulse length located between the ones used to date, EOS 1000 LQS laser proves to be the most versatile and practical instrument for working on site and in the laboratory, thanks also to its compact size and reduced weight. The use of optical fibre and a handpiece with variable focusing represent additional advantages for the operator. The EOS 1000 LQS laser has energy values between 100 and 400 mJ, reaching efficiency levels previously only possible with high-powered laser devices. The EOS 1000 LQS laser system is one of the safest and most reliable instruments with the widest array of applications for conserving the cultural heritage on the market today.

#### Technical data

**wavelength** 1064 nm  
**burst** from 1 to 3 pulses Q-Switch 100ns  
**burst duration** 0.2 ms (max)  
**energy selectable between** 130 mJ (1 pulse), 250 mJ (2 pulses) and 380 mJ (3 pulses)  
**burst** 3 Q-Switch pulses (120mJ)  
**repetition frequency** selectable between: single pulse, 1-10 Hz, 15 Hz, 20 Hz  
**spot size** 1.4 - 4 mm  
**beam delivering** optic fibre 1000 !m, 3 mt length, (10 mt optional)  
**handpiece** variable focus, with beam guide  
**beam profile** homogeneous  
**power supply** 230 V - 50/60 Hz  
**input** 10 A  
**dimensions** 53x20x59 cm  
**Nd:YAG laser shutter** foot switch-controlled by the operator  
**weight** 40 kg  
**cooling circuit** sealed with heat exchanger (air/liquid)



CE



Certifications certified ISO 9001

aiming beam diode laser 3.5 mW (650 nm)