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Materials and Equipment for Restoration and Conservation

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Product catalog

Cleaning > Laser Systems

LASER EOS 1000

LASER EOS 1000





LASER EOS 1000 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, pulse duration 60 - 120 microseconds, maximum energy per pulse 1 J, energy selectable between: 50-500 mJ (step 50mJ), 600-1000 mJ (step 100), repetition frequency selectable between: single pulse, 1-10 Hz, 15 Hz, 20 Hz, spot 1.5 - 6 mm, beam delivering optic fibre 600 mm long, up to 50 m, handpiece variable focus, with beam guide, beam profile homogeneous, power supply 230 V - 50/60 Hz, input 8 A, dimensions 59 X 20 X 53 cm, Nd:YAG laser shutter pedal-controlled by the operator, weight 40 kg, cooling circuit sealed with heat exchanger (air/liquid), aiming beam laser HeNe 1 mW (632.8 nm)

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PRODUCT	DESCRIPTION	PACK	PACK CODE
19774	LASER EOS 1000		