



LASER LIGHT BRUSH 2 **Art. 19787/ErYAG**

LASER LIGHT BRUSH 2 Erbium YAG Light Brush 2 is an Erbium YAG laser system optimized for cleaning of Cultural Heritage. The laser cleaning on Erbium YAG laser is based on the strong absorption of the wavelength at 2940 nm from the surface layers containing OH bonds. Studies have shown that the irradiation with Erbium YAG laser on a damp surface with a liquid containing -OH groups allows for the removal effective of old paint and other types of fouling without inducing unwanted chemical and physical effects on original surface. For this reason, Light Brush 2 It is particularly suited to the removal of repainting and varnish on murals and paintings. Light Brush 2 is an innovative tool for restorers also thanks to the possibility to change the emission energy of 50 mJ to 500 mJ, and the pulse duration optimized for cleaning of cultural objects.

Technical features

Wavelength: 2940 nm
Pulse width: Very Short
Mode: 150 mS Short mode: 250 mS
maximum energy per pulse: 500 mJ Energy (50 mJ steps)
Very Short mode: selectable from 50 to 300 mJ
Short mode: selectable from 100 to 500 mJ
Repetition rate: 1/10, 15Hz, 20Hz
Spot: 1 mm
Beam transport: articulated arm with 7 mirrors
Handpiece: Fixed Local Laser
diode driving beam: 3 mW (680 nm)
Shutter the laser: controlled by pedal
Circuit cooling effects: heat exchanger air / liquid
Power supply: 30 V - 50/60 1 8.5 A
Dimensions: 145x23x65 cm Weight: 47 kg



Pisa, Monumental Cemetery, wall paintings

Removing the final varnish from a painting →