

Light Brush 2

Er:YAG laser system for conservation

- ✓ Compact Er:YAG laser system optimised for the cleaning of Cultural Heritage.
- ✓ Beam delivery through an articulated arm



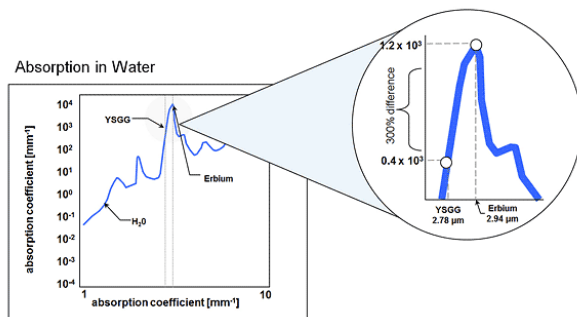


Light Brush 2 is an Er:YAG laser system optimised for the cleaning of artworks .

Er:YAG laser cleaning is based on the strong absorption of the 2940nm wavelength from superficial layers containing OH bonds

Light Brush 2 is particularly suitable for the *removal of overpaintings and varnishes from wall and easel paintings.*

Light Brush 2 is an innovative tool for restorers thanks to variable energy emission from 10mJ to 300mJ and to the pulse duration optimised for the cleaning of Cultural Heritage.



Absorption peak in water of the Er:YAG 2940nm wavelength

Data: Optical-Thermal Response of Laser Irradiated Tissue by Ashley J. Welch et al., 1996

MODEL	LIGHT BRUSH 2
Wavelength [nm]	2940
Pulse duration [µs]	100
Maximum energy [mJ]	300
Energy	Selectable from 10 to 300 mJ
Frequency	5 Hz, 10- 20 Hz
Beam delivery	7 mirrors articulated arm
Power supply	230V, 50-60 Hz, 8.5A
Size and weight	23 X 65 X 68 cm, 40Kg