

Light Brush 2

Er:YAG laser system for conservation

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



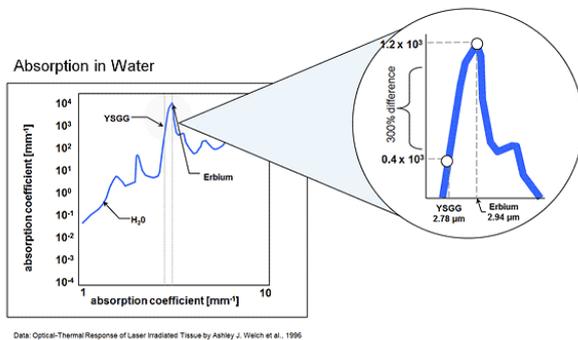
LIGHT FOR ART

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 cleaning of Cultural Heritage .



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

MODEL	LIGHT BRUSH 2
Wavelength [nm]	2940
Pulse duration [μs]	VERY SHORT mode 150 μs, SHORT mode 250 μs, LONG mode 400 μs
Maximum energy [mJ]	500
Energy	VERY SHORT mode: selectable from 50 mJ to 300 mJ (step 50mJ), SHORT mode: selectable from 100 mJ to 500 mJ (step 50mJ), LONG mode: selectable from 100 mJ to 500 mJ (step 50 mJ)
Repetition rate	1 ÷ 10Hz, 15Hz, 20Hz
Spot	1 mm
Beam delivery	7-mirrors articulated arm
Power supply	230V, 50-60 Hz, 8.5A
Size and weight	23 X 65 X 68 cm, 47Kg
Laser shutter	Controlled by footswitch