

# INFINITO LASER

**Compact and lightweight laser scanner  
for fast and safe cleaning of vast surfaces**

- ✓ Active fiber laser doped with Ytterbium
  - ✓ Power 20W, 50W and 100W
  - ✓ Variable scan size up to 8 cm
  - ✓ Air-cooled, very quiet system
- ✓ Precise cleaning also of delicate surfaces



## LIGHT FOR ART

Infinito Laser is the brand new product of El.En. which meets the customer's requirements of an extremely fast and handy laser system for the cleaning of very large surfaces

The laser is a 20W, 50W or 100W machine and the beam shape can be customized by the user: you can, for example, use a lissajous curve with a diameter up to 8 cm or a line with the same length according to your preferences and cleaning problem.

Infinito Laser is particularly suitable for the cleaning of *architectural surfaces, façades and large statues made of stones or metal.*

The system is equipped with a light and handy handpiece. The laser is virtually maintenance-free and, thanks to the possibility of fine tuning the different emission parameters, allows the treatment of encrustations of various thickness and nature.

The system has three lenses with different focal lengths. With  $f=250\text{mm}$  the maximum scan size is  $40\times 40\text{mm}$ , with  $f=355\text{mm}$  is  $55\times 55\text{mm}$  to finally go up to a scan size of  $80\times 80\text{mm}$  with the  $f=500\text{mm}$  focal length.

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MODEL	20W	50W	100W
Wavelength	1064 nm		
Pulse duration	100 ns		
Average max power	20 W	50 W	100W
Selectable power	10 – 100 % (step 10%)		10 – 100 % (step 5%)
Repetition rate	10 – 100 KHz (step 10 KHz)		20-200kHz (step 5kHz)
Beam size	80 $\mu\text{m}$		90 $\mu\text{m}$
Max spot size	80 x 80 mm		
Spot shape	Line, lissajous, brush		
Beam guide	1 mW; 650nm		1 mW; 660nm
Beam delivery	3m long optical fiber		
Shutter	Controlled by a trigger on the handpiece		
Power supply	100 -230 V; 50-60 Hz max 600W		100 -230 V; 50-60 Hz max 800W
Cooling	Air		
Dimension and weight	63 x 44.5 x 26 cm; 25 Kg (handpiece 1.2 Kg)		63 x 45 x 26 cm; 30 Kg (handpiece 1.2 Kg)



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El. En. Group  
Via Baldanzese, 17  
50041 Calenzano (FI) – Italy  
Tel. +39 0558826807  
www.lightforart.com  
conservazione@elen.it