

# Mega-Light 6

## Marking Laser

- \* **The All-In-One System of the Schilling-Family**
- \* **Highly versatile marking of metals and plastics**
- \* **Concise dimensions, space saving**
- \* **Flexible, simple, professional, non-abrasive marking with light**
- \* **Integrated air cooling device, thermo controlled**
- \* **High overall efficiency, fast, reliable, perfect results**
- \* **Low maintenance and power consumption**
- \* **Meets even the highest quality requirements**
- \* **Multilingual software for working quickly and easily even on complex marking jobs**
- \* **Easy set-up and installation**

*A class better!*



# Mega-Light 6

## Technical Specifications:

LASER MODEL	Mega-Light 6 Compact		
Laser source	Nd:YVO <sub>4</sub> (Vanadate)		
Wavelength	1064 nm		
Average output power (typical)	6W ±5% @50kHz		
Beam quality	M <sup>2</sup> <3		
Repetition rate range	15-200kHz		
Pump system	Diode Laser		
Warranty	24 months for a new laser system.		
Aiming/Focus beam	Red Diode Laser to display the size and position of marking job, second red pointer for focussing		
Marking head	Objective different focal lengths (mm)		
Objective F-theta	160S (standard)	254S	other focal lengths are available upon request
Working distance	178±3	282±3	
Marking area	100x100*	140x140*	
Output voltage power supply	24VDC		
Power consumption	typical 200W, max. 300W		
Cooling system	Air cooled (integrated)		
	Overall Dimensions WxDxH (mm)		
Laser	146x410x131,3		
Laser safety cabinet	661x758x753 (other dimensions on request)		
Max. part size	465x262x322 (f=160mm)		
	approx. Weight (kg)		
Laser	7.8 (17.2 lbs)		
Laser safety cabinet	55 (121 lbs)		
	Protection Class		
Laser	IP 21		
Laser safety cabinet	Laser safety class 1		
	Environmental		
Operating temperature	Min. 15°C (59°F) / Max. 35°C (95°F)		
Humidity	< 90 % without condensation		
Operating altitude	< 1000m (3,330 feet)		
Suspended matter	< 3 mg/m <sup>3</sup>		
Vibrations	No vibrations permitted		
Max. acceleration	0.5 G		
Noise	< 70 dB		
Storage temperature	Min. -5°C (23°F) / Max. +55°C (131°F) Non condensing		
Conformance to EC machinery directives	2004/108/EEC "Electromagnetic Compatibility" 2006/95/EEC "Low Voltage"		
Conformance to EC Standards	EN 61000-6-4 Radiation standard EN 61000-6-2 Immunity standard EN 60204-1 Safety of machinery EN 60825-1 Safety of laser products		
Options	Rotary axis, Exhauster incl. start remote and controller, Automatic door		
Applications	Through to extreme compactness ideal in stand-alone configurations as well as in industrial production lines.		
NOTE:	<b>Specifications are subject to change without notice</b>		
	<b>*Effective marking area subjected to approval, depending on the application!</b>		

