

## The Compact Marking Laser

- \* The All-In-One System of the Schilling-Family
- \* Concise dimensions, no external rack, space saving
- \* Unlimited integration possibilities
- \* Flexible, simple, professional, non-abrasive marking with light
- \* Highly versatile marking of metals, plastics and other materials
- \* Integrated air cooling device, thermo controlled
- \* High overall efficiency, fast, reliable
- \* Meets even the highest quality requirements
- \* Multilingual software "Smartist" with clearly arranged user interface
- \* For working quickly and easily even on complex marking jobs
- \* Low maintenance and power consumption
- \* Easy set-up and installation



## Technical Specifications:

LASER MODEL	Megalight 6 Compact				
Laser Medium	Nd:YVO <sub>4</sub> (Vanadate)				
Wavelength	1064 nm				
Nominal Power	6W ±5% (@ CW / laser aperture)				
Beam Quality	M <sup>2</sup> <3				
Modulation	15 kHz to 200 kHz				
Laser Pumping	Diode Laser				
Warranty	2 years				
Aiming Beam	Class 2M Red Laser Diode 3mW / 635nm				
Marking Head	Objectives different focal lengths				
Objective F-theta	63	100	160	254	
Working distance D	80±2mm	114±2mm	178±3mm	282±5mm	
Marking Area [mm <sup>2</sup> ]	35x35	50x50	100x100	170x170*	
Min. spot Ø	20 µm	50 µm	75 µm	95 µm	
Supply	90V to 240V, 16A / 1ph				
Frequency	50-60 Hz				
Power	< 300W				
Operating Temp.	+10 to + 35°C (46 to 95°F)				
Heat Exchanger	Air to Air (integrated)				
	Overall Dimensions (LxWxH;mm)				
Laser	426x154x170				
Standard cabinet	790x550x750				
	Approx. Weight				
Laser	7 kg (15.4 lb)				
Standard cabinet	55 kg (121 lb)				
	Protection Class				
Laser	IP 20				
Standard cabinet	Laser Safety Class 1				
	Environmental				
Vibrations	Not allowed				
Max. Acceleration	0,5 G				
Storage temp. Non condensing	- 5°C to + 55°C < 24 h (23 to 131°F)				
Operating Altitude	< 1500m (5,000 feet)				
Power Supply	24Vdc – 300 W				
Pollution degree	Cat. II				
Conformance to EEC rules	2004/108/CEE Electromagnetic Compatibility 2006/95/CEE Low Voltage 2002/95/EC RoHs				
Conformance to EU Standard	EN 60204 Safety of machinery EN 60825-1 Safety of laser products EN 61000-6-2 Immunity standard				
Laser Class	Working Laser @ 1064nm: Class IV Aiming Beam @ 635nm: Class 2M				
Laser Safety Cabinet	Part Size max. WxDxH: 475x255x285 mm				
NOTE:	<b>Specifications subject to change without notice</b>				
	*Effective marking area subjected to approval, depending on the application!				