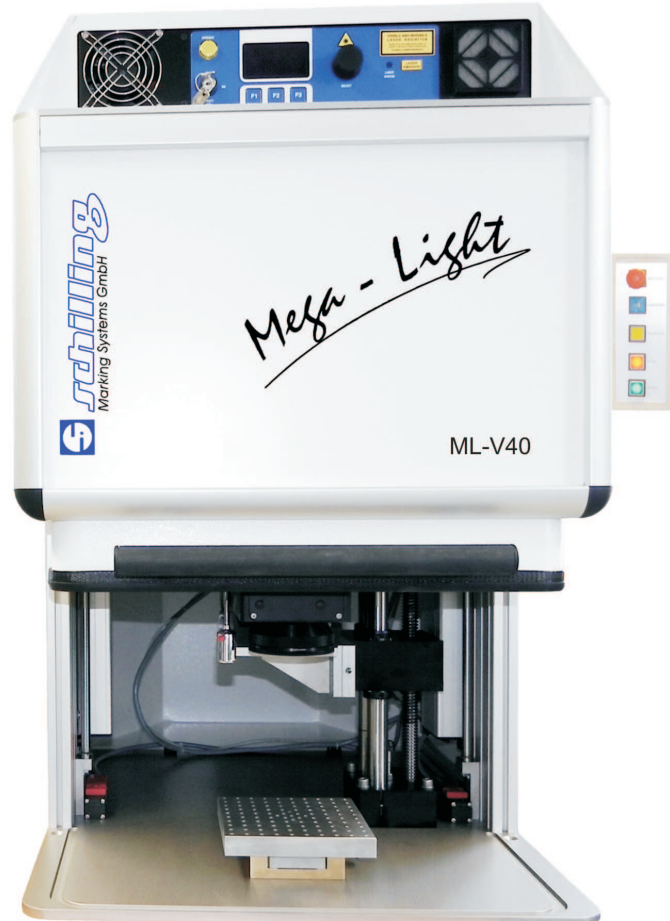


Mega-Light V40

Marking Laser

- * *The High-Tech tool of the Schilling family.*
- * *Flexible, touchless, professional and easy marking with light.*
- * *Highly versatile marking of metals, plastics and other materials.*
- * *Easy graphic user interface, programming of 4-axes.*
- * *Little dimensions, lightweight and space-saving, pump module separated from resonator, therefore unlimited opportunities for integration.*
- * *High efficiency, fast, reliable, perfect results.*
- * *Meets extremely rigorous quality requirements.*
- * *Software "Lighter" will not leave any wishes open.*
- * *Multilingual programme.*

A class better!



Mega-Light V40

Technical Specifications:

LASER MODEL	Mega-Light V40				
Laser source	Nd:YVO ₄ (Vanadate)				
Wavelength	1064 nm				
Average output power (typical)	10W ±5% @CW				
Beam quality	M ² <2				
Repetition rate range	10-200kHz				
Pump system	Diode Laser				
Warranty	24 months for a new laser system.				
Aiming beam	Red Diode Laser to display the size and position of marking job				
Marking head	Objective different focal lengths (mm)				
Objective F-theta	100L	160L (standard)	254L	330L	other focal lengths are available upon request
Working distance	97±2	175±4	297±5	387±5	
Marking area	60x60*	120x120*	180x180*	220x220*	
Power supply	DC 24V-28V ±5%				
Power consumption	typical 450W, max. 600W				
Interfaces	USB 2.0, PLC, up to 4 mechanical axis driving capabilities (stepper motors), RS232, Ethernet				
Cooling system	Air cooled (integrated)				
	Overall Dimensions WxDxH (mm)				
Rack 19"	437x499x87				
Power supply	130x260x46				
Resonator	125,5x402x106				
Marking head	110x122x158 (incl. Standard objective)				
Laser safety cabinet	638x992x874 (other dimensions on request)				
Max. part size	465x262x335 (f=160mm)				
	approx. Weight (kg)				
Rack 19"	12 (26.5 lbs)				
Resonator	4.7 (10.4 lbs)				
Marking head	3.8 (8.4 lbs)				
System compl. with Laser safety cabinet	105 (231 lbs)				
	Protection Class				
Rack 19"	IP 20				
Resonator	IP 64				
Marking head	IP 54				
Laser safety cabinet	Laser safety class 1				
	Environmental				
Operating temperature	Min. 10°C (50°F) / Max. 35°C (95°F)				
Humidity	< 70 % without condensation				
Operating altitude	< 2000m (6,660 feet)				
Suspended matter	< 3 mg/m ³				
Vibrations	No vibrations permitted				
Max. acceleration	0.5 G				
Noise	< 70 dB				
Storage temperature	Min. -5°C (23°F) / Max. 55°C (131°F)				
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, large laser safety cabinet, Exhauster incl. start remote and controller, Automatic door				
Applications	Best results on steel, titanium, aluminium (bare, anodized or coated) as well as on plastics such as ABS, PP, PES, PET, PVC and many others.				
NOTE:	Specifications are subject to change without notice				
	*Effective marking area subjected to approval, depending on the application!				

