

MAG

The new dimension in laser marking

Marking, engraving and lettering with linear actuator for three axes



Technical data

Laser	MAG-30	SP*	MAG-50	SP*
Laser type	Fiber laser		Fiber laser	
Mean Power	30 W		50 W	
Wavelength	1067 nm		1067 nm	
Beam quality	M ² <1.3		M ² <1.3	
Stability (over 5 hours)	< 2%		< 2%	
Modulation	20-100 kHz	35-500 kHz	30-200 kHz	35-500 kHz
Pulse width	100 ns	1-300 ns	100 ns	35-300 ns
Max. power	15 kW	40 kW	15 kW	40 kW
Pulse energy	1500 µJ	850 µJ	1500 µJ	1500 µJ
Scanner				
Lettering speed	10.000 mm/s 550-1000 characters/s			
Positioning speed	17.000 mm/s			
Min. resolution	0,012 mrad			
General				
Power connection	230/1/50/16A			
Power rating	3600 W			
Cooling	Air cooling			
Ambient temperature	10-40°C			
Dimensions and weight				
Fiber length	300 cm			
Dimensions	T 1200 mm x H 2200 mm x B 1160 mm			
Weight	800 Kg			

SP*: short puls for best results

Workspace:

X axis 600 mm
Y axis 600 mm
Z axis 380 mm

Feed:

Quick movement
X/Y/Z 30/30/30 m/min

Working surface:

Mounting table 800 x 800 mm
Max. component height 200 mm