

Three times the first choice

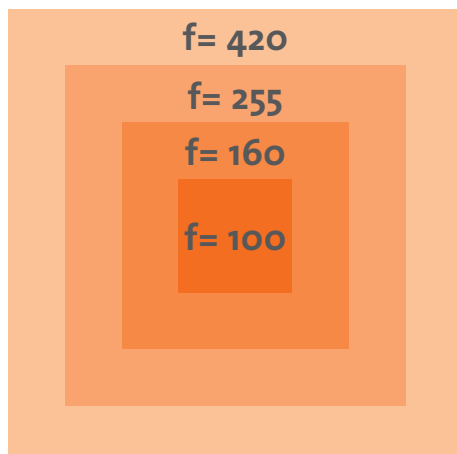
Marking and engraving with
flexible and computer-aided control



Technical data

SP*: short puls for best results

Laser	MAG-10	MAG-20	SP*	MAG-30	SP*	MAG-50	SP*
Laser type	Fiber laser	Fiber laser		Fiber laser		Fiber laser	
Mean Power	10 W	20 W		30 W		50 W	
Wavelength	1067 nm	1067 nm		1067 nm		1067 nm	
Beam quality	$M^2 < 1.3$	$M^2 < 1.3$		$M^2 < 1.3$		$M^2 < 1.3$	
Stability (over 5 hours)	< 2%	< 2%		< 2%		< 2%	
Modulation	20-100 kHz	20-100 kHz	35-500 kHz	20-100 kHz	35-500 kHz	30-200 kHz	35-500 kHz
Pulse width	100 ns	100 ns	1-300 ns	100 ns	1-300 ns	100 ns	35-300 ns
Max. power	5 kW	10 kW	20 kW	15 kW	40 kW	15 kW	40 kW
Pulse energy	500 μ J	1000 μ J	600 μ J	1500 μ J	850 μ J	1500 μ J	1500 μ J
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 V						
Power rating	800 W						
Cooling	Air cooling						
Ambient temperature	5-40°C						
Maße und Gewicht							
Fiber length	300 cm						
Laser head (L x W x H)	428 x 106 x 140 mm	428 x 106 x 140 mm		428 x 106 x 140 mm		428 x 106 x 140 mm	
Power supply (L x W x H)	349 x 130 x 325 mm	349 x 130 x 325 mm		349 x 130 x 325 mm		349 x 130 x 325 mm	
Laser head weight	7 Kg	7 Kg		7 Kg		7 Kg	
Power supply weight	14,7 Kg	14,7 Kg		14,7 Kg		15,7 Kg	



	F-THETA WITH F'= 100 MM	F-THETA WITH F'= 160 MM	F-THETA WITH F'= 255 MM	F-THETA WITH F'= 420 MM
Spot diameter	29 μ m	45 μ m	71 μ m	117 μ m
Lettering field	60 x 60 mm	110 x 110 mm	180 x 180 mm	300 x 300 mm

We offer a total of 7 F-theta lenses. Ask for advice about the right one for you.