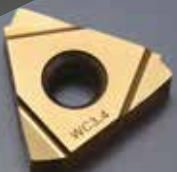


LP-S

The high power and environmentally resistant fiber laser marking systems of the LP-S series are designed for metal high-speed marking and deep engraving.



Information about the laser marking system series LP-S

Highlights



Enhanced performance,
better results



High degree of
protection IP67G



Simulation with the
guide laser



Measuring laser power



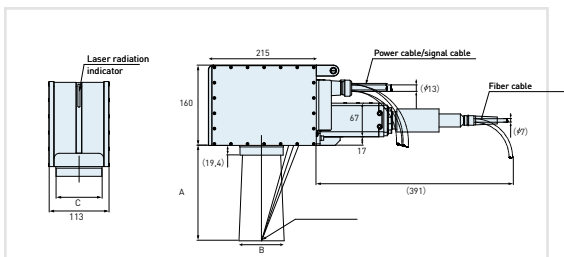
Dual pointer

Specifications

Model	Item	Small marking field	Standard	Large marking field	Small marking field	Standard	Large marking field	
		LP-S202-LS1	LP-S200-LS1	LP-S205-LS1	LP-S502-LS1	LP-S500-LS1	LP-S505-LS1	
Marking laser	Fiber laser $\lambda = 1064\text{nm}$, laser class 4							
Guide laser	Semiconductor $\lambda = 650\text{nm}$, laser class 2, output class 1mW							
Output class	20W			50W				
Marking field	55mm x 55mm	90mm x 90mm	160mm x 160mm	55mm x 55mm	90mm x 90mm	160mm x 160mm		
Work distance	130mm	190mm	350mm	130mm	190mm	350mm		
Focus adjustment (manually)	$\pm 3\text{mm}$	$\pm 7\text{mm}$	$\pm 24\text{mm}$	$\pm 3\text{mm}$	$\pm 7\text{mm}$	$\pm 24\text{mm}$		
Scan method	Galvano scanner							
Scan speed (max.)	6000mm/s	12000mm/s		6000mm/s	12000mm/s			
Line speed (max.)	120m/min	240m/min		120m/min	240m/min			
Workpiece positioning	Stationary and on-the-fly marking							
Fiber cable length	5m							
Net weight	Laser head	7.5kg		8kg	7.5kg		8kg	
	Controller	24kg			25kg			
Degree of protection (laser head)		IP67G						

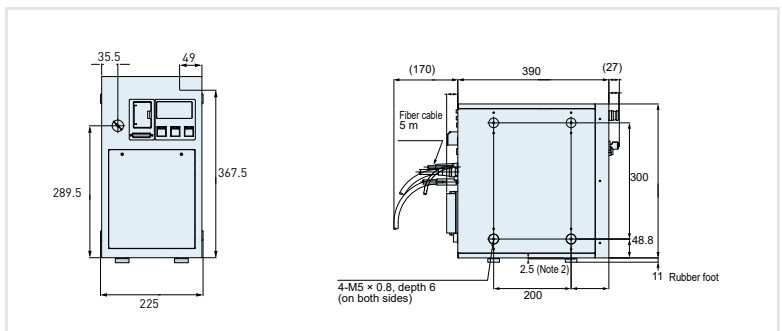
Dimensions

LP-S laser head



Type	Work distance A (mm)	Marking field B (mm ²)	Lens diameter C (mm)
LP-SX02-LS1	130	55 x 55	92
LP-SX00-LS1	190	90 x 90	87
LP-SX05-LS1	350	160 x 160	106

LP-S laser controller



* All measurements in mm

