







# LP-Z

3-axis - LP-Z series fiber laser marking system designed for marking complex 3D metal and resin surfaces.



# Information about the laser marking system series LP-Z

## Highlights

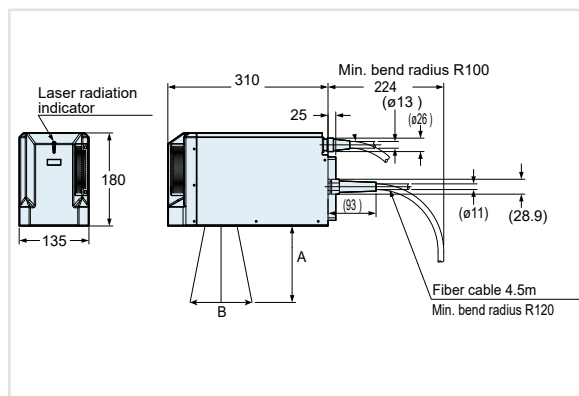
 <b>3D</b>	3D marking		Integrated z-axis control		Simulation with the guide laser
	High peak power		Dual pointer		Marking on the fly

## Specifications

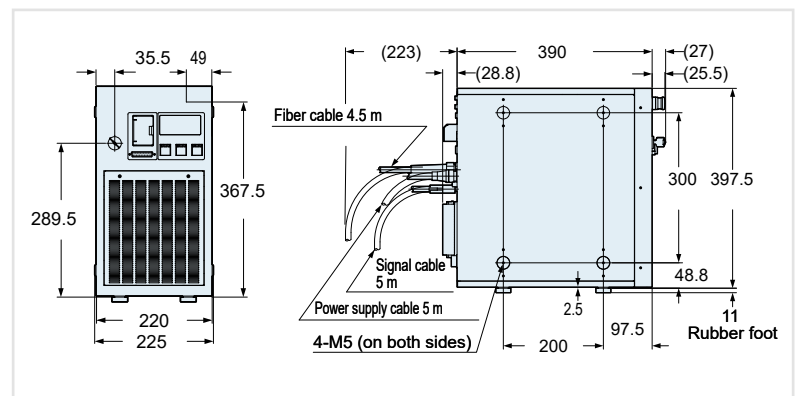
Model	Item	Standard		Large marking field
		LP-Z130-LS1-C	LP-Z250-LS1-C	LP-Z256-LS1-C
Marking laser		Fiber laser $\lambda = 1060\text{nm}$ , laser class 4		
Guide laser		Semiconductor $\lambda = 650\text{nm}$ , laser class 2, output class 1mW		
Output class		13W	25W	
Pulse duration		30ns, 100ns, 200ns (user-defined settings)	50ns, 100ns, 200ns (user-defined settings)	
Marking field		120mm x 120mm		330mm x 330mm
Work distance		190mm		330mm
3D marking area (Z axis control)		50mm ( $\pm 25\text{mm}$ )		
Scan method		Galvano scanner		
Scan speed (max.)		12000mm/s		8000mm/s
Line speed (max.)		170m/min		120m/min
Workpiece positioning		Stationary and on-the-fly marking		
Fiber cable length		4.5m		
Net weight	Laser head	9.5kg		
	Controller	24kg		

## Dimensions

### LP-Z laser head



### LP-Z controller



\* All measurements in mm

Type	Work distance A (mm)	Marking field B (mm <sup>2</sup> )
LP-ZXX0-LS1-C	190 ( $\pm 25$ )	120x120
LP-Z256-LS1-C	330 ( $\pm 25$ )	330x330

