

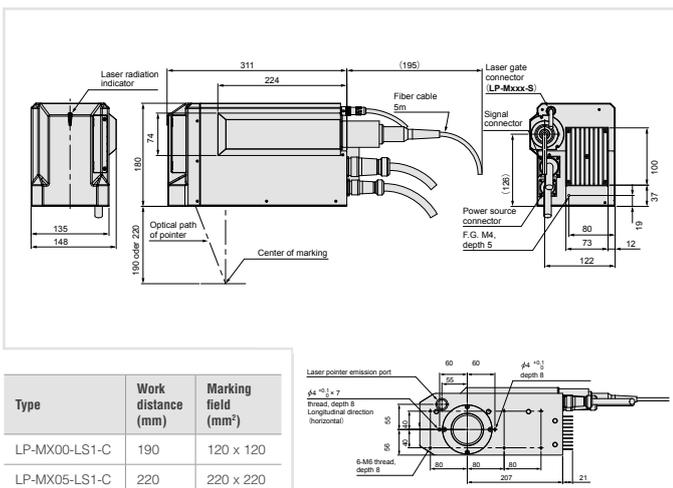
## Specifications

Item	Model	LP-M500		LP-M200	
		LP-M500-LS1	LP-M505-LS1	LP-M200-LS1	LP-M205-LS1
Work distance		190mm ±22mm	220mm ±22mm	190mm ±22mm	220mm ±22mm
Marking field		120mm x 120mm	220mm x 220mm	120mm x 120mm	220mm x 220mm
Max. scan speed		12000mm/s			
Output class		50W		20W	
Marking laser		FAYb λ = 1.06μm, laser class 4			
Guide laser		Red semiconductor laser, λ = 655nm, laser class 2, 1mW			
Scanning method		Galvano scanner (x-, y- and z-axis directions; 3D scanning)			
Operating voltage		90 to 132V, 180 to 264V, 50/60Hz (auto switching)			
Power consumption		Max. 580W (at 100V AC); max. 720W (at 200V AC)		Max. 390W (at 100V AC); max. 510W (at 200V AC)	
Communication interfaces		RS232C, digital I/O, Ethernet			
Distance sensor		Analogue current input (4 to 20mA)			
Inputs		Remote, trigger, encoder (A), encoder (B), shutter control, laser pumping, alarm reset, emergency stop, laser stop, etc.			
Outputs		Operating voltage (+24V), remote, marking ready, marking, marking end, laser pumping, warning, alarm, confirmation end, counter end			
Fiber cable length		5m			
Ambient temperature		0 to +40°C, storage: -10 to +60°C			
Ambient humidity		35% to 85%			
Cooling method		Laser head: natural air cooling; Controller: forced air cooling			
Workpiece positioning		Stationary and on-the-fly marking			
Character types		Upper- and lowercase letters, numerals, symbols, user-defined characters (up to 50), Japanese characters katakana, hiragana, kanji (JIS level 1 and level 2)			
Bar codes/2D codes		CODE39, CODE128, ITF2/5, NW-7, JAN/UPC/EAN, RSS 14, RSS Limited, RSS Expanded (GS1 DataBar), GS1 Data Matrix, QR, Micro QR, Data Matrix (ECC200), etc.			
Logos/graphics		VEC, DXF, BMP, HPGL, JPEG, AI*, EPS*			
Degree of protection		IP64 (laser head)			
Software and hardware features		➢ Marking order optimizing	➢ Bold marking	➢ Individual output and speed settings per object	➢ Marking order optimizing
		➢ Correction of intersection	➢ I/O monitor	➢ Step & repeat	➢ Work distance indication
		➢ Counter function	➢ Font selection	➢ Serial data processing & marking	➢ Marking time measurement
		➢ Current date/time	➢ Marking field indication	➢ Multilayered marking	➢ Font/logo creation/editing
		➢ Expiry date	➢ Control of user access	➢ Backup	➢ Power check/correction
		➢ Lot function	➢ Error code display		➢ Marking image monitor
		➢ Logos/graphics	➢ Marking image monitor		➢ VGA, USB
Net weight	Laser head	12kg			
	Controller	28kg			

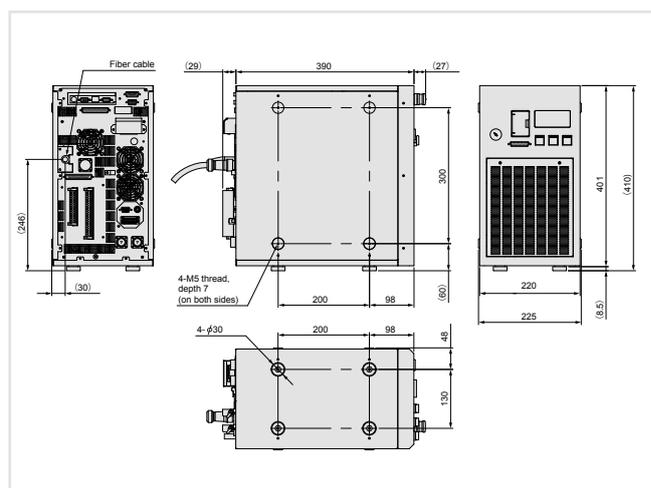
\* Adobe Illustrator® required

## Dimensions

### LP-M laser head



### LP-M controller



\* All measurements in mm