

500W/650W Metal Laser Cutting Machine

Main Specification

Model: LCM-JSQG-130250/LCM-JSQG-150300

Media	Nd: YAG	X/Y/Z Axis Repeat Accuracy	<0.03mm
Laser Power	500W/650W	Cutting Gas	Oxygen or gas mixture
Laser Wavelength	1064nm	Cutting Gas Pressure	Offer gas interface
Max.Cutting Aera	1300mm*2500mm/1500*3000mm	Control and Transmission	LCD offline control, Yaskawa AC servo motor, X/Y axis high precision ball screw transmission
Laser Pulse Width	0.3-20ms		
Laser pulse frequency	0-500Hz	Image Format	AI, BMP, DXT, CAD, PLT
Laserhead Adjustable Height	0~18 mm	Whole Power	25KW
Laser head Auto-focus filed	0~10 mm	Power Supply	3PH-380V/50HZ
Cutting Finishing	According to different materials and thickness<±5%	Cooling Method	7P water cooling

500W/650W Metal Laser Cutter Max. Cutting Thickness and Speed

Material	Cutting Thickness	Punching Dia.	Max. Cutting Speed (500W)	Max. Cutting Speed (650W)	Min. Line Width	Auxiliary Gas
Stainless	1mm	0.2mm	24-30mm/s	24-30mm/s	0.3mm	Air

Steel	2mm	0.3mm	13-18mm/s	15-20mm/s	0.4mm	Air
	3mm	0.4mm	7-10mm/s	10-15mm/s	0.5mm	Air
	4mm	0.5mm	3-5mm/s	6-9mm/s	0.5mm	Air
	5mm	0.6mm	2-4mm/s	5-8mm/s	0.6mm	Air
	6mm	0.7mm	1-3mm/s	3-5mm/s	0.8mm	Air
Steel	1mm	0.2mm	25-30mm/s	25-30mm/s	0.3mm	Air
	2mm	0.3mm	15-20mm/s	18-22mm/s	0.4mm	Air
	3mm	0.4mm	9-12mm/s	13-17mm/s	0.5mm	Air
	4mm	0.5mm	4-6mm/s	10-15mm/s	0.5mm	Air
	5mm	0.6mm	3-5mm/s	6-10mm/s	0.5—0.8mm	Air
	6mm	0.7mm	2-4mm/s	4-7mm/s	0.6—0.8mm	Air
	8mm	1mm	1-0.8mm/s	1-3mm/s	1—0.8mm	Air
Aluminium	1mm		10-15mm/s	15-20mm/s		Air
	2mm		6-10mm/s	10-15mm/s		Air
	3mm		2-5mm/s	4-8mm/s		Air
Brass	1mm		10-15mm/s	15-20mm/s		Air
	2mm		6-10 mm/s	10-15mm/s		Air
	3mm		2-5mm/s	3-7mm/s		Air

Remark: Use Oxygen, the cutting speed can improved up to 20-30%.