



Technical specification

Fiber Laser	20W	30W	50W
Nominal Power	AC220V at 50Hz		
Power consumption(20°C)	500w	500w	500w
Normal average output power (W)	≥20w	≥30w	≥50w
Wavelength (nm)	1064±4	1064±4	1064±4
Beam quality	m²<1.8	m²<1.8	m²<1.8
Beam Diameter(mm)	6~8	6~8	6~8
Pulse repetition rate(kHz)	20~60	30~60	50~100
Output power tunability(%)	10~100		
Output fiber cable length(m)	2~3 m		
Marking range (mm)	Standard:110 * 110mm. (70 * 70 / 175*175, 300*300 optional)		
Maximum scanning speed	8000-12000 mm / s		
Scan accuracy error	<2 mrad		
repetition error	<5 μrad		
Minimum line width	0.01 mm ~ 0.2mm		
Line depth	0.01 ~ 0.2 mm (depending on material)		
Cooling System	Air cooling		
Working environment	Should work in dust-free, smoke-free, non-corrosive gas work environment		
	Temperature:0~42°C		
	Humidity:45~85%		
Safety	over-current protection; over-temperature protection; over-voltage protection		
Approximate weight	Flying type: 90kg (wooden case)		
Controller	Flying type: Touch screen; Static Type:Window PC i32.5G, 500G, 2G, 19-inch LCD		
User Interface Language	Multi-language,English, France, Spanish, Farsi, etc		
Character Sets	English, France, Spanish, Farsi, Arabic, Russian, Bengali, Japanese, Korean, etc		
Communication	Ethernet Inputs for encoder and product detector triggers.RS232.		