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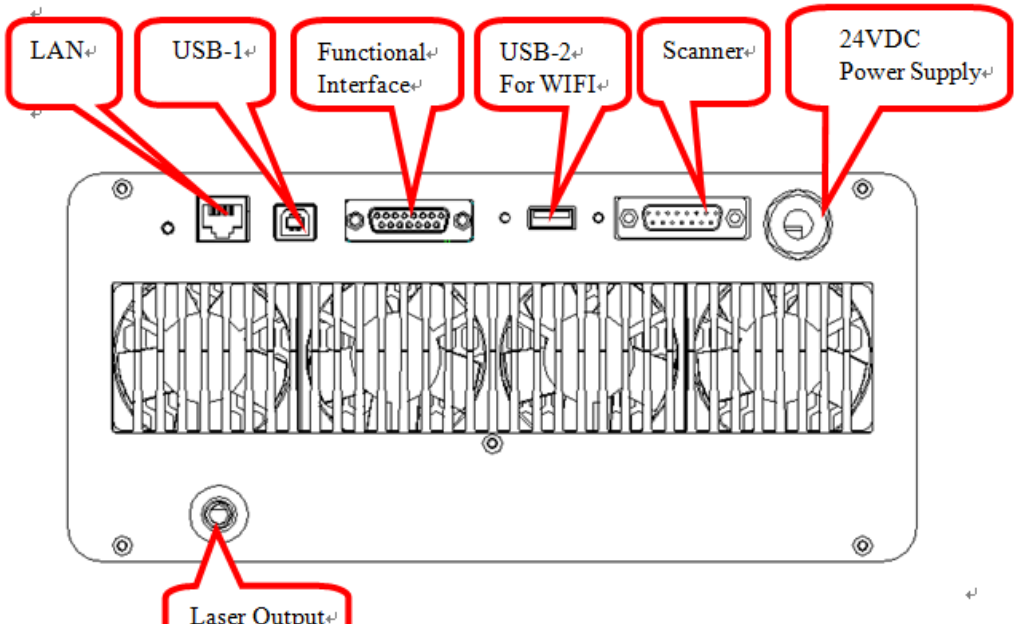
Maxphotonics Smart Laser Source Specification		
Type	Unit	**MFS-20**
Central wavelength	nm	1064±4
Polarization		Random
Average output power	W	20
Peak power	kW	5.6
Energy per pulse	m J	0.8 ~ 1.0
Beam quality	M2	<1.7
Beam diameter	mm	7 ~ 9
Power stability(t>5h)	%	<5
Frenquency tunable range	KHz	30 ~ 60
Pulse width @ 30KHz	ns	80 ~ 140
Power tuable range	%	5 ~ 100
Operation voltage	VAC	100 ~ 240
Fiber length	m	1.5
Min. Line Width	mm	0.01
Repeatition Accuracy	mm	±0.002
Marking Area	mm	standard is 110*110mm (depends on specifcation lens)
Working Environment		Temperature: 0 ~ 35℃ Humidity: 10 ~ 95
Operation voltage	VAC	220V 50/60HZ
Cooling		Air Cooling
Total Weight	KG	25
Operate temperature		0 ~ 35℃
Operating humidity		10 ~ 95
Stockpile temperature		-10 ~ 60℃

Application: Marking on metal, part of the non-metallic plating materials, plastic rubber, industrial-used plastics, ceramics and other marking; Deep carved; Fine processing;Special material processing

MAX Smart Laser Marking Machine （Computer not included）

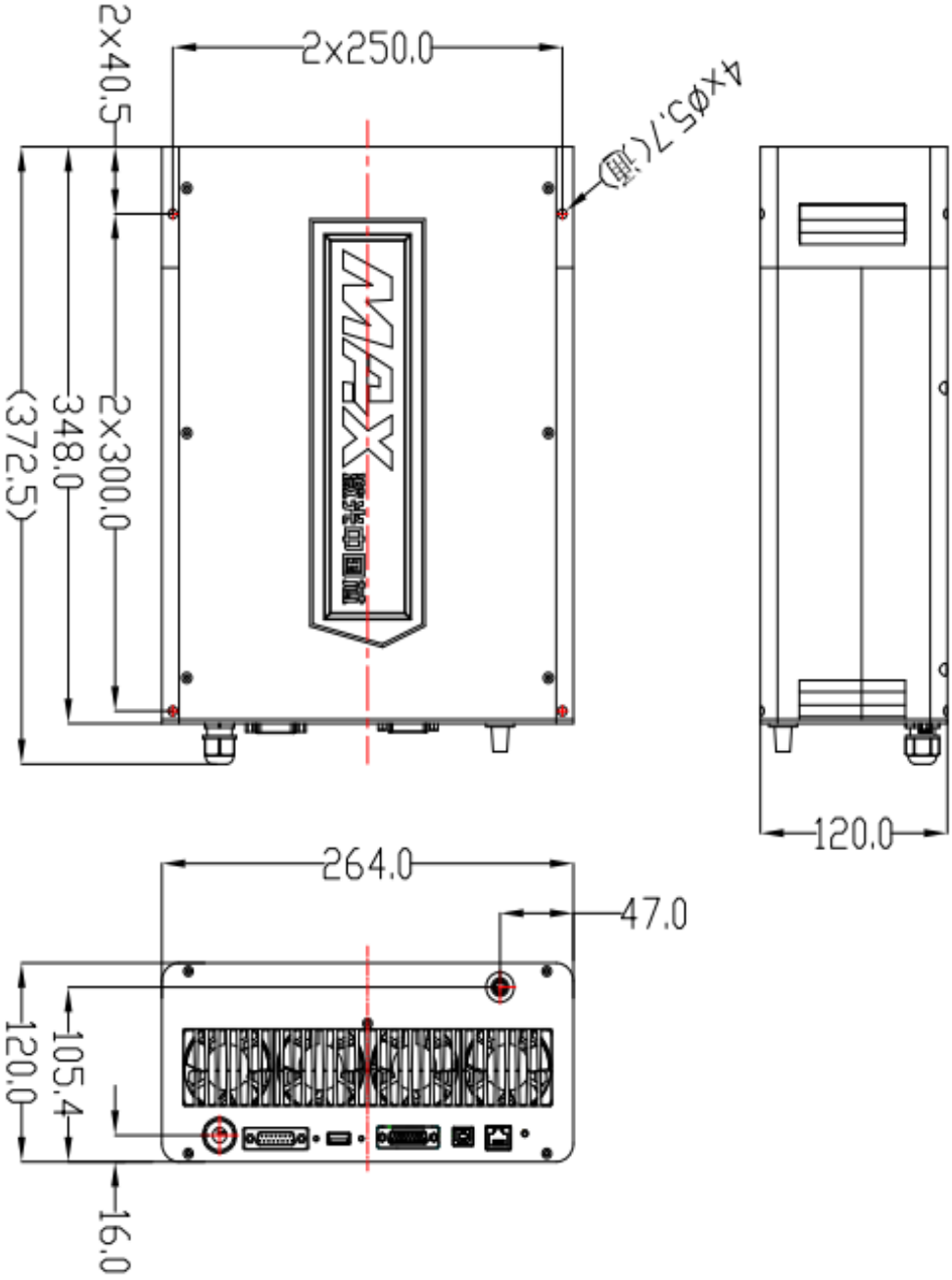
Smart Laser Marker Standard Configuration

1. 20W Smart Laser Source with inbuilt Control Card & Red Beam;
2. High Speed Scanner
3. f=160mm lens (110*110mm marking/working area); other lens optional (f=70/100/254mm etc.)
4. Z Axis;
5. 24V Power Supply;
6. Red beam pointor;
7. Cable, USB line, Wifi hot spot;
8. USB flash disk (with marking software installation pacakge, guide files)

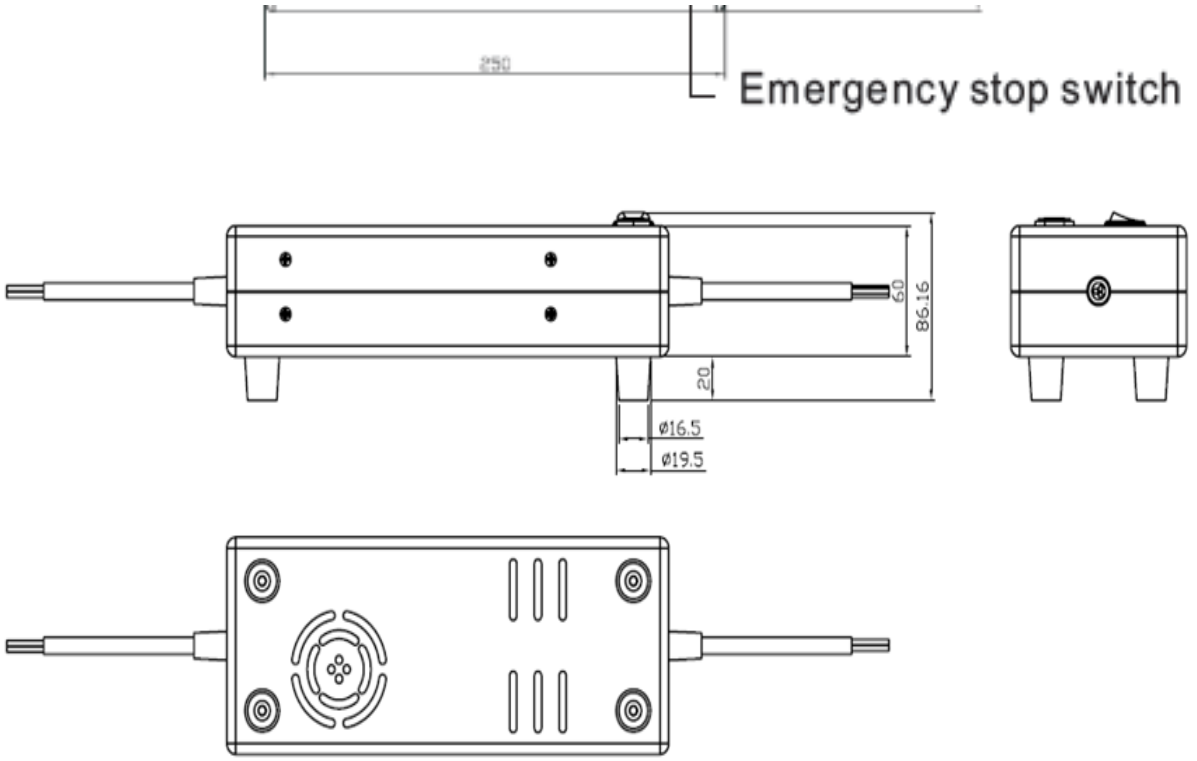


Notice: Please note that the functional interface is DB26 pins rather than DB15 pins.

Smart Laser Source Dimension Drawing

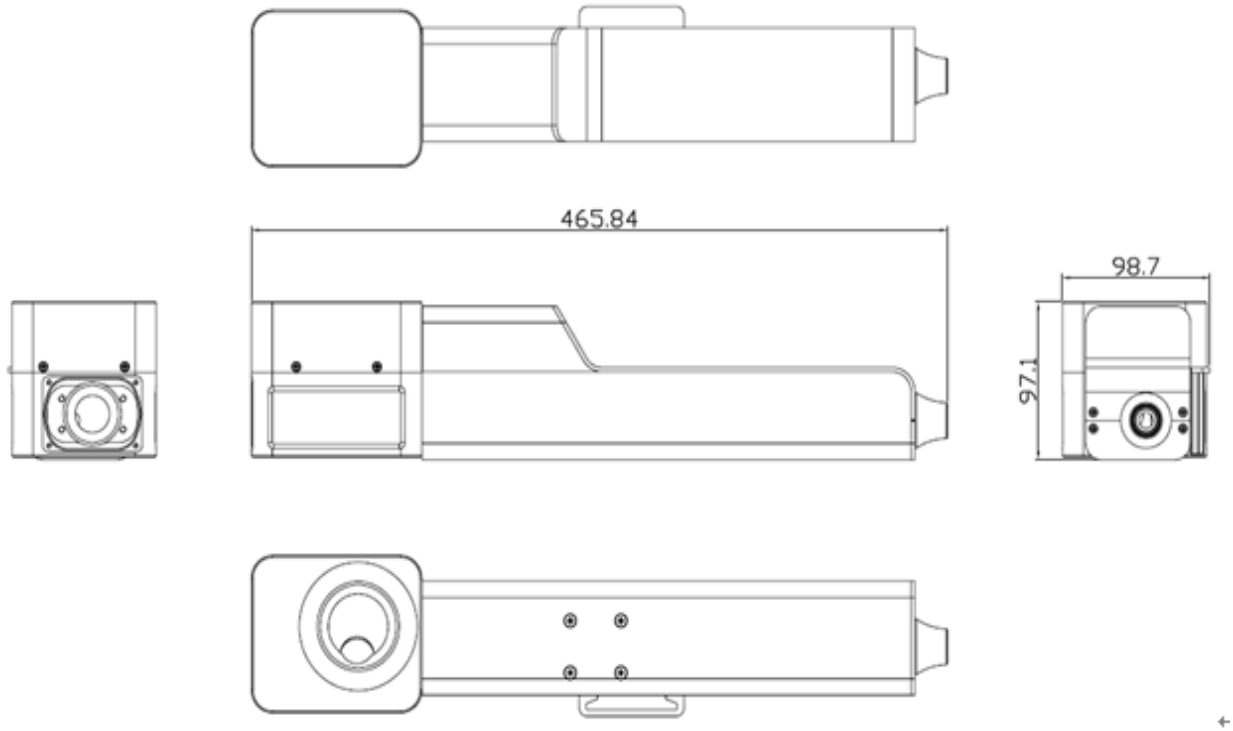
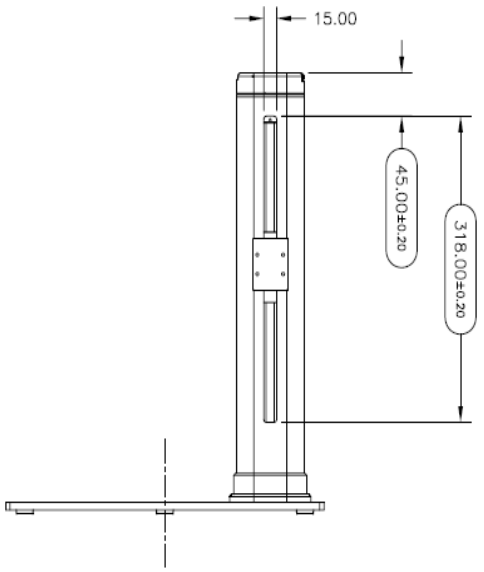
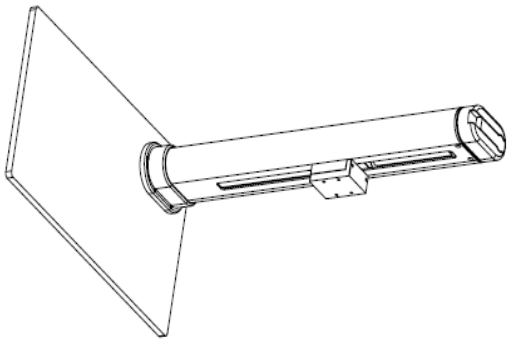
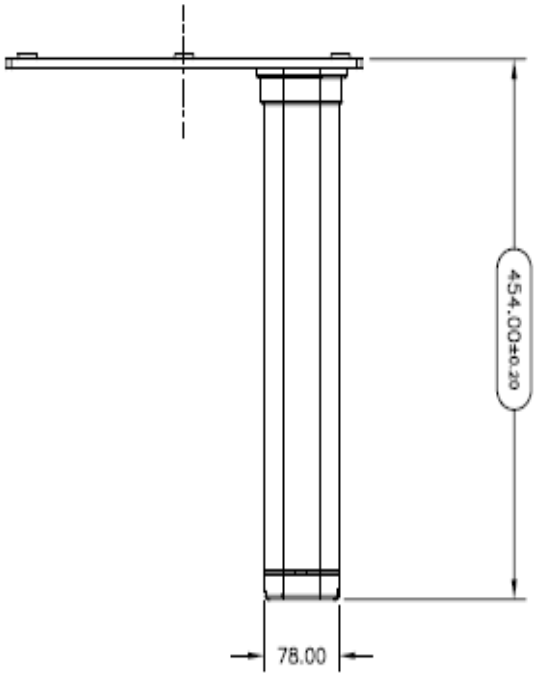
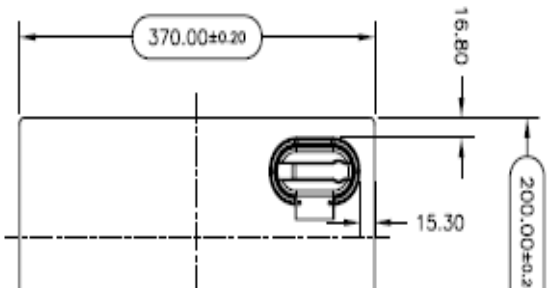
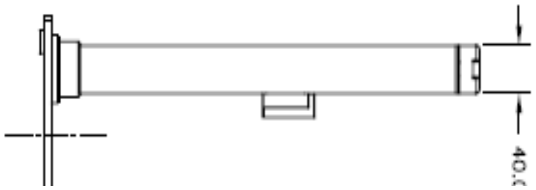


Power Supply Dimension Drawing



Notice: The above diagram of power supply for reference only, now we changed new deign with little difference

Isolator and Scanner Dimension Drawing



Z axis Dimension Drawing