



Shenzhen FLS Laser Technology Co.,Ltd

20/30W Fiber Pulsed Laser Marking Machine



FLS Laser Marking Machine —— FLS-LD20A

Applicable scene	Mainly used for integrated laser marking of automatic production line
Content that can be marked	Date code, serial number, pipeline code, Chinese and English characters, bar code, two-dimensional code, logo, etc
Application product	Suitable for all metal , some non-metal (Effect depends on availability)



Parameter

Laser wavelength/nm	1064nm
Laser output power/W	20W/30W
Input power/V	DC24V
Rated power of the whole machine	350W, without PC
communication mode	DB15 Male connector (IO Mode) + Network interface RJ45
Size/mm	470*100*200mm
Weight /kg	5kg
Marking speed mm/s	500~8000mm/s
Maximum speed mm/s	8000mm/s
Standard marking range	100x100mm (F160) 150x150mm (F210)
Minimum character/mm	0.4mm
line width/um	50~180um (Depends on the material)
Power adjustable range/%	10~100%
Repeat positioning accuracy/%	0.02%
Supported file format	PLT、DWG、DXF



Configuration

Laser	FLS Laser
Galvanometer	Independently developed high-speed digital galvanometer, wave-optics lens
24V switching power supply	LM350-10B24
Control system	Self-developed Win XP/Win 7/Win 10-based system

Accessory (optional)

Field lens type	F160, F210 for optional
PC	Toplong 4U, dual-core 2.6G, solid state drive, 2G memory

Function (optional)

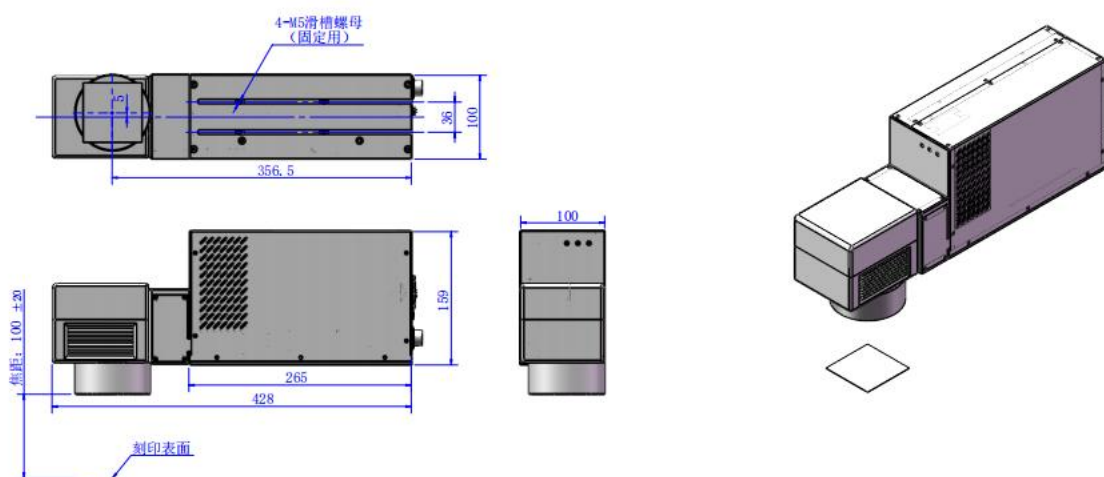
Scan the barcode of the work order to retrieve the document	Users can use the barcode gun to scan the barcode of the work order, and the laser software automatically calls the document on the local computer or the network server, automatically downloads the document and runs ※This function requires the use of a barcode gun
Connect with customer's ERP or MES system	Customized development according to customer needs



Environment

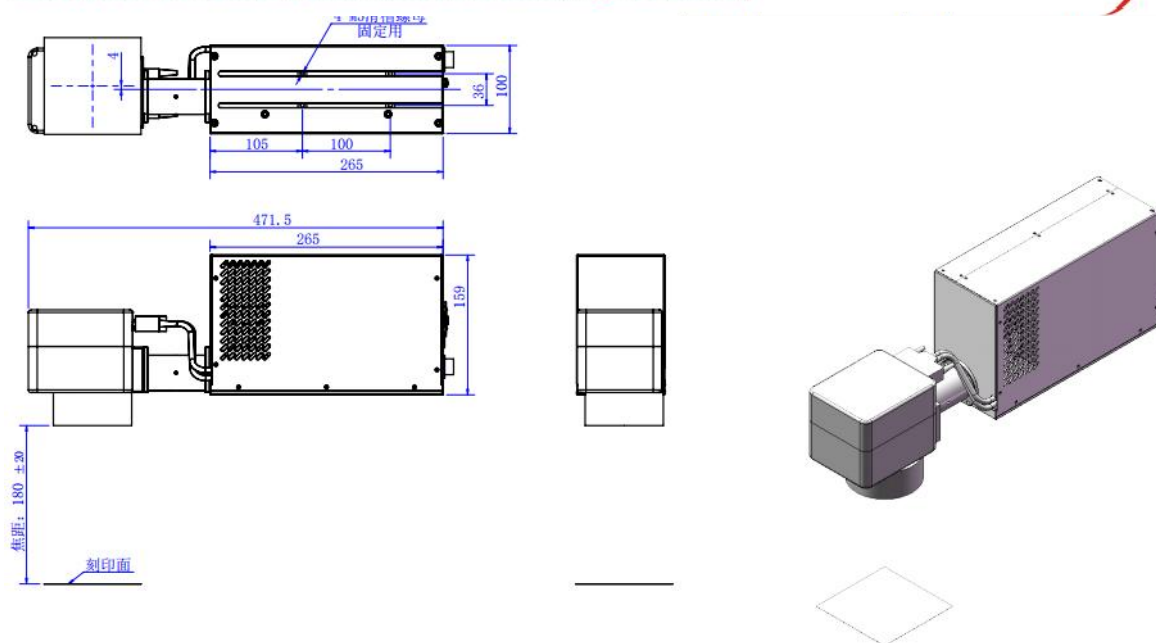
Environment temperature/°C	5°C-38°C
Environment humidity/%	40-90%

Dimensions (only the neck is different)



Installation Notes:

Installation fixed need to ensure that the focal plane positive and negative up and down adjustable 20mm;
Please block the heat dissipation inlet and outlet during installation;



图中焦距为F160镜头
如有其他工作距离需求请与我司沟通确认

公差等级	未经公差带 (GB/T1804-1992) 尺寸分段							
	0.5-3	>3-6	>6-30	>30-120	>120-400	>400-1000	>1000-2000	>2000-∞
F(形位公差)	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	±1.0
W(形位公差)	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2.0

零件名称		图号	L20A-F160	
部件名称		材料		版次
项目名称		单机数量	1	视图
设计		制图	表面处理	比例
审核		复核		1
批准		日期	2024/7/3	



Bracket



Figure1



Figure2
Height: about 140mm