

# Fiber laser integrated type

## F-D series

### Introductions:

The W-FD series fiber laser printers are adopting optical fiber maser contains rare earth element. Our fiber laser printers with long service lifetime and high efficiency bring you outstanding marking performance on your metallic and some non-metallic material.

Simple integrated design ensures smooth integration into your production line, intuitive user interface and built-in wizard, which can significantly reduce operator training and make you master it quickly

### Applications:

The W-FD series fiber laser printers can print series number, batch number, bar code, QR code logo and flexible text on variety of products, such as IC chips, electronic components, hardware tools, jewelry, automobile and motorcycle parts, plastic products, building material and pipes, etc. Can be widely used in Food manufacturing, micro-electronics, motor industry, medical appliance, bath sanitary equipment, building materials, tubular products, et

### Features:

#### High quality products, reasonable price

Provide high quality at a reasonable price to make laser technology universal.

#### Precise design and flexible use

German technology and excellent component design ensure a reliable and high-quality system that can handle various application scenarios.



**Parameter:**

ITEM	Parameter	F-20D	F-30D	
<b>Machine Features</b>	Machine material	Sandblasted and oxidized all-aluminum structure		
	Laser source	Fiber laser transmitter with a service life of more than 100,000 hours		
	Laser wavelength	1064nm		
	Actual output power	≥20W	≥30W	
	Marking speed	≤12000mm/s		
	Controller	10.2 inch touch controller		
	Cooling system	air cooling		
<b>Coding parameters</b>	Focus lens	Focal length 165mm		
	Minimum Line Width	0.0012mm		
	Repeatability	0.003mm		
	Marking range	110mm×110mm (optional)		
	Targeting	red light focus		
	Engraved character lines	Any line within the marking range		
	Line speed	0~130m/min (depending on the material)		
<b>Software Introduction</b>	Multi-lingual	Arabic, English, Persian, French, German, Korean, Polish, Portugal, Russian, Simplified Chinese, Traditional Chinese, Spanish, Thai, Turkish, Vietnamese		
	Administrative rights	Multi-user management privileges		
	Operating system	Linux system		
	Coding mode	Static, analog, encoder three inkjet modes		
	Reserved signal	Start printing, printing status, printing completed, fault alarm		
	Data protection	With power-down data protection function		
	Missed call monitoring	False triggering due to material reflection, providing overspeed alarm function		
	go to intersection	Automatically remove intersections and avoid cross-emphasis		
<b>Support type</b>	Font	Standard fonts see list		
	File format	DXF , PLT , AI , BMP , JPG etc		
	barcode	128A , 128B , GS1 , UPCA , PDF417 Etc.		

	QR code	QR , DM , AZTEC , HANXIN
<b>Conditioning parameters</b>	Power supply	220V/50HZ
	Power consumption	400W
	Machine net weight	Laser body part: 7.5kg Flight support part: 22kg
	Dimensions	Machine head: 600mmX164mmX157mm
<b>Environment</b>	Require	External temperature 0°C - 45°C; Humidity≤95%; Non-condensing; No vibration

### Quality Standard:

Standard	Name
GB 7247-87	Radiation safety of laser products, the need for equipment classification and user guidance
GB10320-88	Electrical Safety of Laser Equipment and Facilities
ISO9000-3	International Software Standards
GB/T12123-89	sales packaging procedure
IEC 536	Classification of protection against electric shock for electrical and electronic equipment

### Configurations:

Part name:	Brand origin
Fiber laser module	MAX (other brand optional)
Marking system	Woojamark
Indicating locator	Xian saipulin
Laser frame	Woojamark