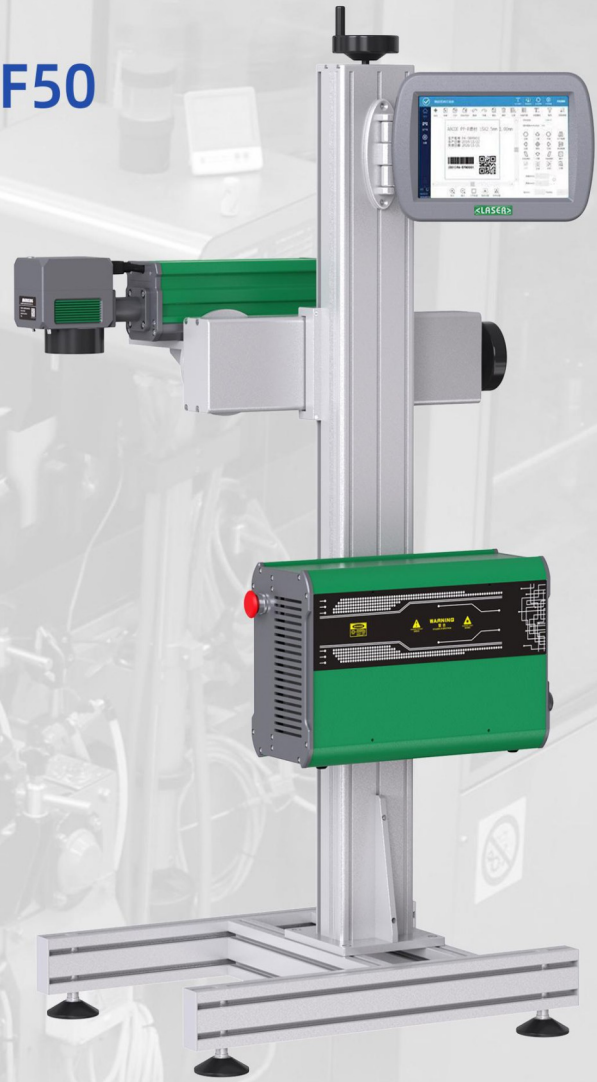




FIBER Laser Marking Machine

HIGH-SPEED LASER MARKING SCHEME

Model: GF20 / GF30 / GF50



Using Q-switched pulsed fiber laser, long life, no consumables. MOPA laser can also be used according to demand, flexible pulse width and frequency adjustment, suitable for various production lines.

APPLICATION

The flying fiber laser marking machine can synchronize the production line speed for precise marking. Applications include: flexible films, metals, hard plastics, and application areas include food, beverages, electronics, automobiles, pharmaceuticals, etc.



Aluminum can



Film packaging bag



Hard plastic

SPECIFICATIONS

GF20

GF30

GF50

Basic parameters

Laser power:	> 20 W	> 30 W	> 50 W
Laser type:	Q-Switched Pulsed Fiber Lasers (Optional MOPA Fiber Laser)		
Wavelength:	1064 nm		
Cooling method:	Air Cooling		

Marking characteristics

Production line speed:	Maximum speed up to 120m/min (Single line font, 2mm height)
Marking lines:	Unlimited within the marking range
Character height:	0.3mm to the maximum marking range
Marking type:	Text, time, counter, random code, logo, barcode, QR code, image
Font type:	TTF standard font library
Support graphics format:	PLT/BMP/DXF/HPGL/JPEG (Marking Format: PLT)
Marking range:	110x110mm *
Focal length:	163mm
Working distance:	180mm
Operating system:	Linux
Support language:	English, German, Chinese, etc, customizable local language
Screen:	10 inch touch screen
Marking software:	<i>Star Dance</i> laser marking software
Processing method:	Synchronous speed, simulation speed, static marking
Scan head:	<i>Zbtk</i> scanning head, can be positioned in various directions, including axial
Focusing method:	Manual adjustment of double red dot focus
Machine material:	Sandblasted and oxidized all-aluminum structure

Weight and dimensions

Machine weight:	Laser machine part: 20kg, flight stand part: 30kg
Size:	650*550*1420mm
Fiber optic wire :	2.0 m, connect the chassis and the laser head

Input / Output

Product speed monitoring:	Synchronizer or synchronization signal
Product detection input:	NPN / PNP / 12V sensor
Transfer port:	RS232, USB, Network Port
Power requirements :	Single phase, 100-110V / 220-240V, 50 / 60Hz, < 400W

Environmental requirements

Ambient temperature:	0°C-45°C
Ambient humidity:	< 90%RH, No Condensation

Optional *

Marking range:	150, 200, 250, 300, 400, 500, 600 (Ratio: 1:1, Unit: mm)
Smoke purify machine:	Air volume: 250m ³ /h, Purification efficiency: 0.3 μm99.99%

* All the above data will depend on the material and marked content

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