

FIBER Laser Marking Machine

HIGH-SPEED LASER MARKING SCHEME



SPECIFICATIONS

	GF20	GF30	GF50
Basic parameters			
Laser power:	> 20 W	> 30 W	> 50 W
Pulse peak power:	> 5.5 KW	> 5.7 KW	> 8.3 KW
Laser type:	Q-Switched Pulsed Fiber Lasers		
Wavelength:	1064 nm		
Cooling method:	Air Cooling		
Marking characteristics			
Production line speed:	Maximum speed up to 600m/min		
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:	BMP/DXF/HPGL/JPEG/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:	50Kg		
Size:	650*550*1420mm		
Fiber optic wire :	2.2 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, 175, 200, 220, 250, 300, 350, 400, 450, 500 (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

APPLICATION

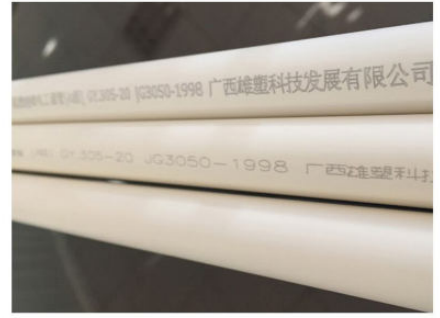
The flying fiber laser marking machine can synchronize the production line speed for precise marking. Applications include: flexible films, metals, hard plastics, and application areas include food, beverages, electronics, automobiles, pharmaceuticals, etc.



Aluminum can



Film packaging bag



Hard plastic

SIZE AND WEIGHT

Overall dimensions:	650*550*1420mm
Product Net Quantity:	50KG
Number of single pieces:	2 pieces
Packing box material:	Export wooden box
Laser packing box size:	780*530*280mm, 30KG
Bracket packing box size:	1400*380*280mm, 40KG

