Shanghai Yuchang Industrial Co., Ltd.

CYCJET LC/LF/LU SERIES
HIGH SPEED FLYING LASER PRINTER

·SMART THINKING
·SMART PRINTING

CYCJET LC/LF/LU SERIES HIGH SPEED FLYING LASER PRINTER

LC30F   LC60F
LF30F   LF50F   LF70F   LF120F
LU5F   LU10F   LU15F   LU20F

INTRODUCE

CYCJET LC/LF/LU Series High Speed Flying Laser Printer is design for high speed online marking, which can print message on no matter what metal or non-metal material products by different model laser printer. Laser marking is a no contact marking, no need ink, solvent, cleaner, which can print different language, picture, logo, QR Code and anti-counterfeiting mark on product surface. Mark speed fast, clear and beautiful. The coding is a permanent marking, can not erase and fake after long time storage.

HIGHLIGHTS

· Friendly operate interface, easy to edit message set parameters for marking.
· Counting system; No consumer goods, less production cost.
· Smart Operation system, zero maintenance, low failure rate.
· Well design and production technology, high stability and less working failure.
· Great stability with high precision Intelligent circuit control.

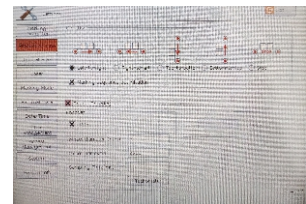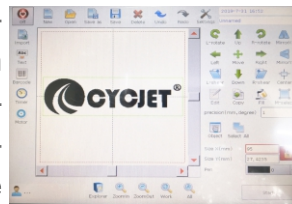# CYCJET LC SERIES HIGH SPEED FLYING LASER PRINTER

LC30F   LC60F

INTRODUCE

Co2 Flying Laser Printer, as an industrial coding system, specially for marking message on most of non-metal material surface. After decades development, the CO2 laser source is smaller and compact, suitable for the working space which required narrow. Compare the traditional laser source, the metal tube CO2 can output stronger & continuous laser beam than glass tube.

Laser marking is a no contact marking, no need ink, solvent, cleaner. The machine controlled by industrial computer, which control laser and Galvo Scanner automatic print different language, picture, QR Code and anti-counterfeiting mark on product surface. Mark speed fast, clear and beautiful. The coding is a permanent marking, can not erase and fake after long time storage. Especially laser marking machine don't use ink ,it will greatly reduce the machine operation cost and its pollution to the environment, it is to a certain extent, to satisfy people re quirements of safety and less pollution.

HIGHLIGHTS

· Great stability with high precision Intelligent circuit control.
· Clear and unerasable marking Used for high speed production line.
· Low cost for maintenance.
· Easy to operate with an advantages of long life time.
· Mainly apply to the packaging industry, such as food, medicine, beverage, daily use chemical and so on. Suitable for various kinds of material, like paper, wood, glass, ceramics, plastics, aluminum foil, leather, etc.
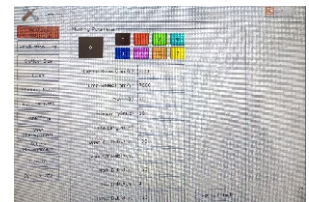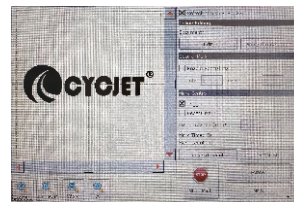
CYCJET LF SERIES HIGH SPEED FLYING LASER PRINTER

LF30F   LF50F   LF70F   LF120F

INTRODUCE

Flying Fiber Laser Marking Machine was design for high speed online marking, specially for plastic pipe and electrical cable industry. For the continuous production line, plastic pipe and cables extruder can not stop suddenly, because restart the extrusion line need long time waiting. Before laser marking machine appeared, plastic pipe factory only use Inkjet printer to mark message on pipe, but the inkjet has many problem during working, such as printing head blocked, mechanical failure(pump, filter issue). But laser coding machine no need more parts like inkjet, only need power then convert it to laser beam by laser source, very stable and less working failure.

As a solid laser source, the fiber laser is very stable after technological accumulation and up date, ideal lifetime approx 100000 hours, which under good working condition and correct operation. It is easy to learn and operate, through the software, operate can build different message and edit it anytime.

HIGHLIGHTS

· Laser oscillation in the fiber optical wave, low dissipation, good stability and is not affected by external dust gas and mechanical looseness, the output of a laser beam is stable.
· Processing speed is 2 to 3 times the traditional laser marking machine.
· Well designed software & High speed hardware support the high speed inline marking, up to 200m/min, based on different materials.
· Multi-Functional application, support inline marking, stationary marking. Triggered by encoder, sensor, or closed signal from other equipment;
· Zero Maintenance, zero running cost.

CYCJET LU SERIES HIGH SPEED FLYING LASER PRINTER
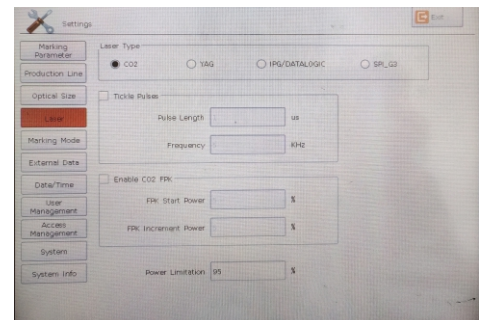
LU5F   LU10F   LU15F LU20F

INTRODUCE

With the laser technology continuous development, the UV laser source output power up to 40W. The high power UV laser marking machine can satisfy many new applications which low power laser can not achieved. For example high speed online coding, Glass & Plastic Inner Carving, Electronic parts cleaning, PCB Cutting, PCB Marking, Drilling. Compare to other laser source, UV laser printer has high Electro-optical conver sation rate, high quality laser beam, and with tiny spot size, ultra-fine marking. The core part crystal has longer service life than before, stable operation, high accuracy positioning & high efficiency working, even after long time running. The compact design is easy to install and assemble, working smoothly and stable. The UV laser marking quality is perfect, because of the UV laser beam carry less heat power, so the heat-affected zone is smaller, thermal effect is less, the material will not deformed and not burnt. The marking effect is fine and can be repeatedly processed, and the high-precision & tiny spot ensures the perfect marking result, and it is no contact marking, so the marking effect is permanent.
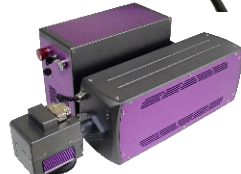
HIGHLIGHTS

· Long service life and 24hours continuous working.
· All accessories with high quality.
· The software integrates the common material label parameter database to make it more convenient and efficient for you to use the device.
· Compact size, perfect function, convenient transportation.
· Well design and production technology, high stability and less working failure.

PARAMETERS

Item \ Model		LF Series Fiber Fly Laser Printer	LC Series CO2 Fly Laser Printer	LU Series UV Fly Laser Printer
PERFORMANCE	**Frame Material**	ALUM.		
	Laser Type	Specialized High-speed Fiber Laser	Specialized High-speed CO2 Laser	Specialized High-speed UV Laser
	Power	30W/50W/70W/120W	≥30W/60W	≥5W/10W/15W/20W
	Laser Wavelength	1064nm	930nm/1064nm/1020nm	355nm
	Galvanometer Deflection	High precision dual dimensional scanning system		
	Master Control	Highly integrated board with 10 inch color touch screen		
	Operating System	LINUX based with high speed marking software		
	Cooling System	Air Cooling System		High capacity water cooling system
MARKING SPECIFICATIONS	**Focus Distance**	180mm (Customized available)	135mm (Customized available)	155mm (Customized available)
	Minimum Line Width	0.012mm		0.01mm
	Repeatability Accurate Positioning	0.003mm		
	Marking Line Type	Dot matrix, bold, vector all in one (both dot matrix and vector)		
	Marking Area	Standard 110x110mm (Customized available)		
	Marking Height	Standard character height 110mm		
	Marking Length	Unlimited		
SUPPORT TYPE	**Typeface**	Chinese, English (Customized available)		
	Marking Content	Number, logo, image, letter, serial number, system date & time, etc.		
	File Format	CNF/PLT		
	Barcode Type	CODE39、CODE128、CODE126、QR、Z-Code		
OTHERS	**Power Supply**	100-220V/50-60HZ		
	Power Consumption	600W		
	Net Weight	68kg		
	Dimensions	500x450x1500mm		
	Environmental Requirement	External Temperature 0℃-45℃; humidity≤95%; non-condensing; no shaking		

DETAILS

APPLICATIONS

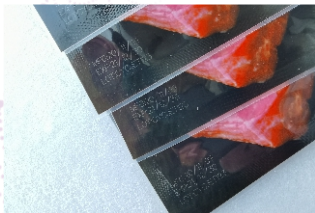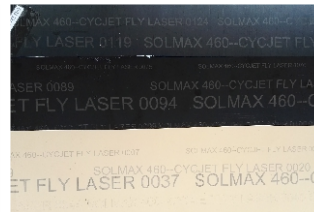|			
Hdpe Pipe	Silicone Hose	Electric Cable	Metal Tin
Food Package Bag	PET Bottle	Medicine Box	Box
Plastic Bag	Plastic Label Bar	Building Materials Board	PE Plastic Food Bags
Glass Cup Logo	Caps qr Code Printing	Plastic caps lot number printing	Beverage caps QR code printing

Simple   Friendly
Smart   Reliable

CYCJET LC/LF/LU Series
High Speed Flying Laser Printer

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