



T series

Fiber flying laser marking machine

Average output power:

20W/30W/50W/70W/100W



Marking speed
200m/min



No consumables,
long-term maintenance-free

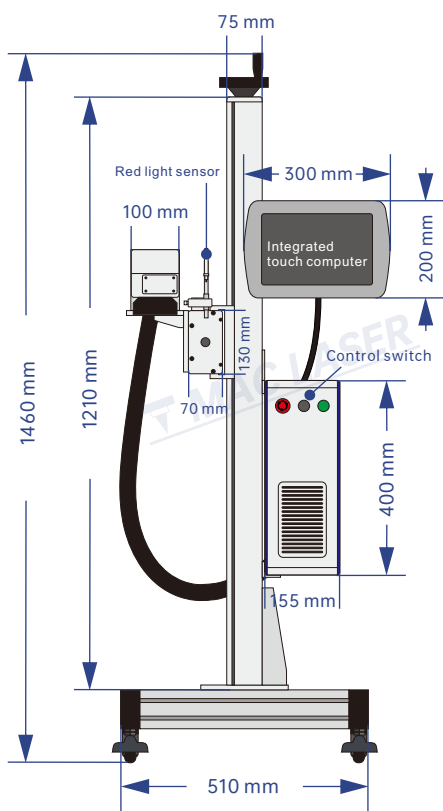


PRODUCT DESCRIPTION

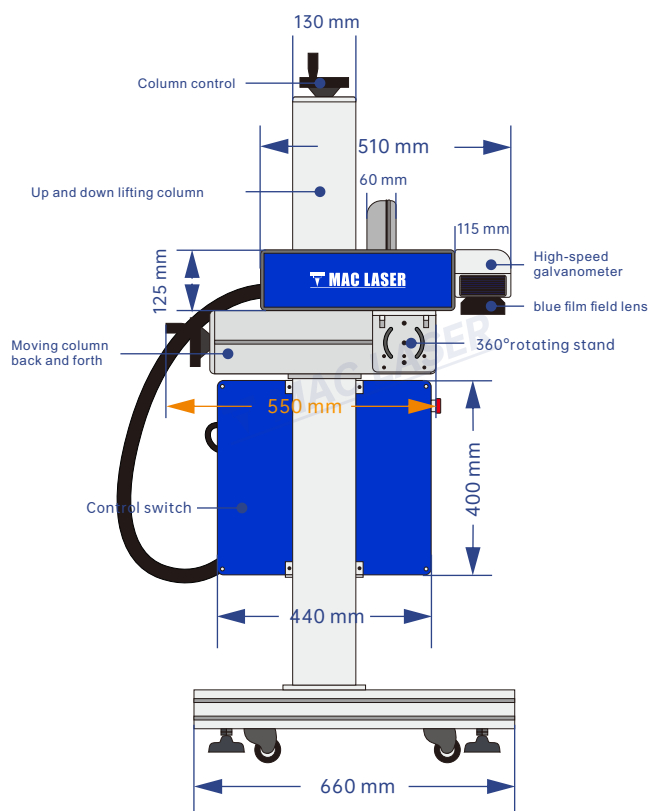
The T series fiber flying laser printer is a high-speed continuous marking machine designed to improve productivity. It adopts **MAX** industrial-grade high-performance laser source which are with stable performance, fast processing efficiency and marking speed on the production line. It can reach high speed up to 200 meters per minute (single-line 2MM-high numbers and letters) with high-yield application identification requirements, it mainly used in production date, anti-counterfeiting, medical and food packaging industries. This model supports functions such as automatic encoding, serial number, batch number, date, barcode, two-dimensional code, automatic number skipping, etc., to meet the needs of customers in different industries.

Fiber laser online marking machine is suitable for online marking of most metal materials and some non-metallic materials with surface treatment, such as metal products, PVC, HDPE, aluminum film, rubber and plastics. It is widely used in the production of personal care products, food and beverage packaging, wine, dairy products, electronic components, chemical building materials and other fields, and the expiration date, batch number, shift, manufacturer name and logo and other graphics and text markings.

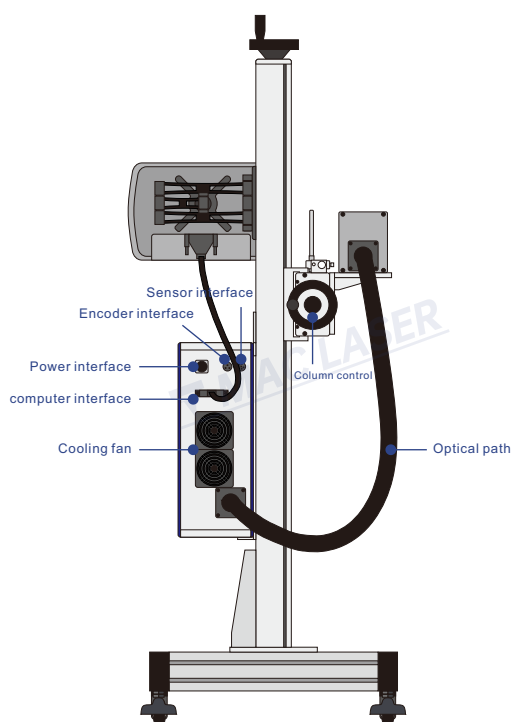
PRODUCT SIZE



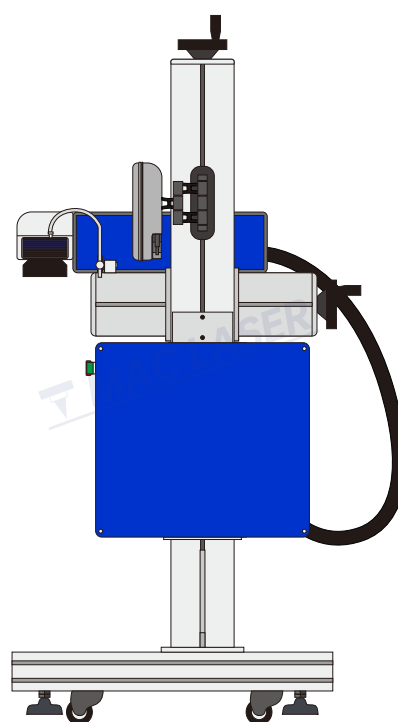
FRONT OF THE DEVICE



THE RIGHT SIDE OF THE EQUIPMENT



THE BACK OF THE DEVICE

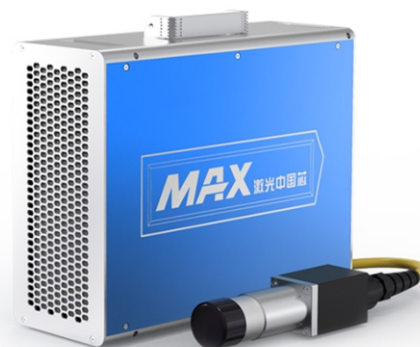


LEFT SIDE OF DEVICE

T series

Fiber flying laser marking machine

The T sub-series uses **MAX Laser's** Q-switched pulsed fiber laser source. This laser source is a high-efficiency, high-reliability, and high-performance pulsed fiber laser series developed by MAX Laser. It has the characteristics of short start-up time, narrow light pulse, high peak power, wide repetition frequency range, and no shadows and false breaks in special material processing, which can meet the marking needs of most users.



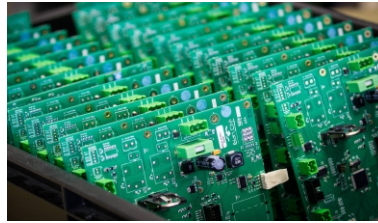
PRODUCT PARAMETER

Model serials		T serial (MAX laser source)								
Model		T200	T201	T300	T301	T500	T501	T700	T701	T1000
Laser parameters	Laser source model	MFP-20G/20X	MFP-20W	MFP-30X	MFP-30W	MFP-50X	MFP-50W	MAC-70M	MFP-70W	MFP-100W
	Output Power	18.5W	20.5W	30W	30W	50W	50W	70W	70W	100W
	Beam quality M ²	≤1.4	≤1.4	≤1.4	≤1.6	≤1.6	≤1.6	≤1.6	≤1.6	≤2
	Pulse repetition frequency	27-60 kHz	30-60 kHz	30-60 kHz	30-60 kHz	50-170 kHz	45-170 kHz	50-170 kHz	50-170 kHz	20-200 kHz
	Laser wavelength	1064±5								
	Output power stability	< 3%								
	Working life	About 100,000 working hours (non-lifetime)								
Optical properties	Marking range	100~300mm (range optional)								
	Engraving depth	≤1mm (depending on power and time)								
	Engraving speed	≤10000mm/s								
	Repeat accuracy	±0.002								
	Minimum marking line width	0.1mm								
	Minimum character height	0.15mm								
Use environment	Cooling way	Built-in air cooling								
	System power supply	500W / 220V / 50Hz (110V can be connected)								
	Temperature humidity	0~40°, 30% RH 85%, air conditioner should be installed when used outside the range								
	Oil mist condensation	Not allowed								
Other parameters	Operating system	Fly control system								
	File format	The software supports text, QR code, barcode, serial number, graphics and other marking content								
	Dimensions	660X510X1460 mm								
	Packing size	Host: 790X740X350mm Column: 1350X350X280mm								
	Total Weight	About 66kg								

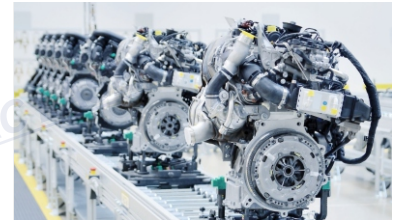
SCOPE OF APPLICATION



Electrical components and electronic devices



Electrical components



Aviation and automobiles



Food and beverages and fast moving consumer goods



Medicines and medical devices



Cosmetics, personal and home care products

SAMPLE PICTURES



● Marking of soda cans



● Marking of hardware parts



● Electronic components



● Marking of iron wire

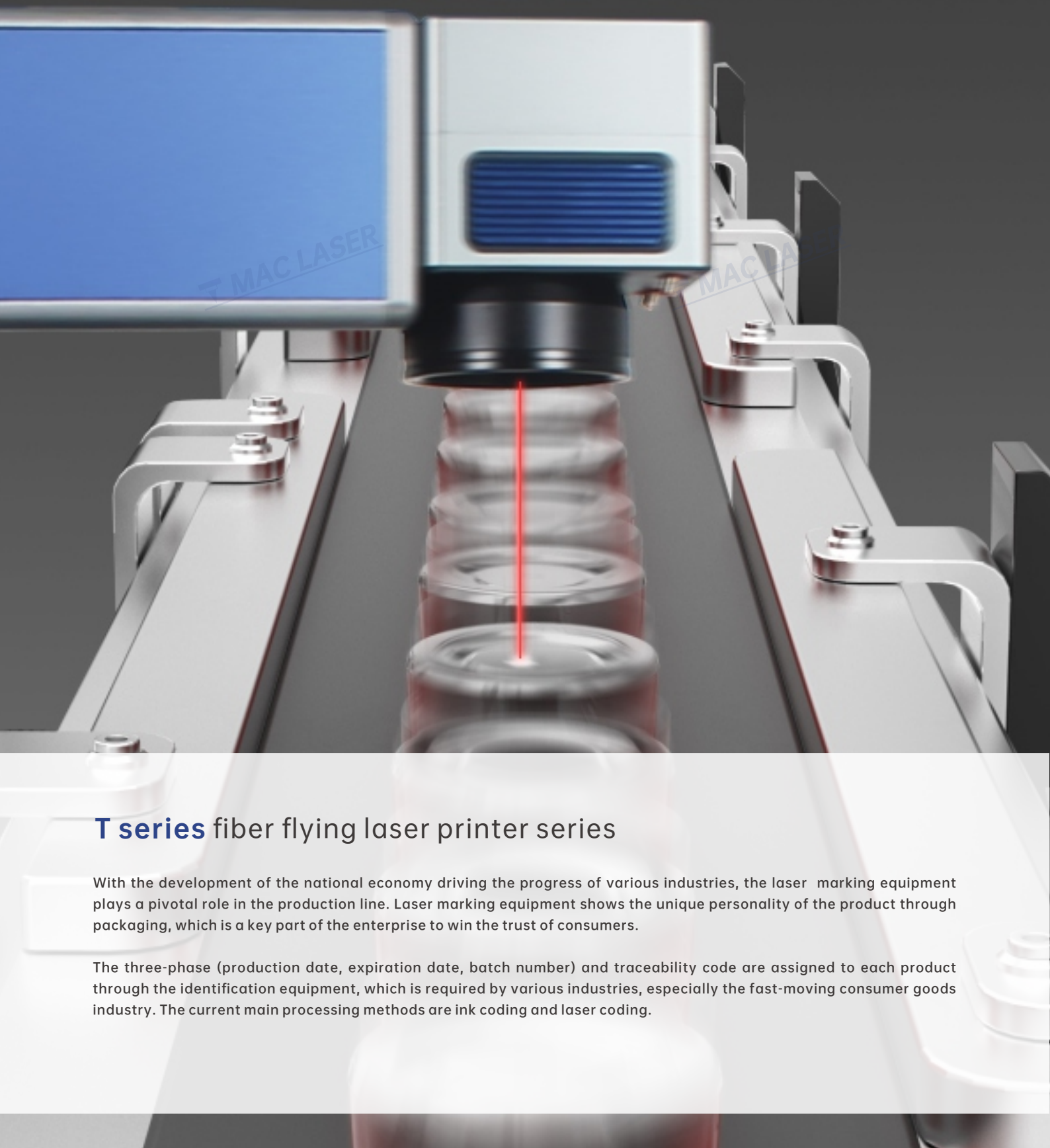


● ABS hose marking



● Plastic bag production date marking

LASER MARKING ADVANTAGES

**T series** fiber flying laser printer series

With the development of the national economy driving the progress of various industries, the laser marking equipment plays a pivotal role in the production line. Laser marking equipment shows the unique personality of the product through packaging, which is a key part of the enterprise to win the trust of consumers.

The three-phase (production date, expiration date, batch number) and traceability code are assigned to each product through the identification equipment, which is required by various industries, especially the fast-moving consumer goods industry. The current main processing methods are ink coding and laser coding.

COMPARE THE PROS AND CONS



Laser



Ink



Excellent performance,
flexible and reliable

Using online high-speed non-stop laser marking, high production efficiency, can work in both static and high-speed flow state of the production line

It can only be marked when the product is in motion and the production efficiency is high. Some inkjet printers may block the nozzles with ink, which affects production

It can print serial codes, batch numbers, barcodes, QR codes, logos and patterns. The number of information printing lines and font size are limited

Bar codes, batch numbers and simple patterns can be printed, the number of printing lines and font size are limited

The performance is stable and reliable, it can work continuously around the clock, free of maintenance for a long time. Minimal maintenance provides the longest stable operation time. Little environmental impact

The performance is basically stable, the failure rate is relatively high. The nozzle will be blocked due to changes in ambient temperature and dust. Maintenance and cleaning work is heavy. Affected by the environment

Intuitive Windows software, display interface with high resolution and clear picture. It makes the creation and editing of print information convenient and fast

The display page is simple and the resolution is low. It can only enter the printed information
Simple editing process

Simple installation,
convenient and easy to use

Simple, lightweight chassis, the smallest and lightest laser print head can be directly installed on the production line, it's suitable for any production space

The size is large or small, some models need to be connected to external equipment such as air compressors

Low operating cost,
long-term maintenance-free

One-time purchase price is higher

Low one-time purchase price

The operating cost is extremely low, no unplanned shutdown of production is avoided. The equipment can be operated without maintenance for a long time, without the need for maintenance by a dedicated person, without any consumables and zero operating costs

The inkjet printer consumes a large amount of special inks and solvents, consumes a large amount of consumables. The replacement of nozzles, pumps and other accessories is expensive. The cost of consumables for a single inkjet printer is between 20,000 and 40,000 RMB

Powerful data processing,
strong anti-counterfeiting

The control host adopts an embedded flight system, which has powerful data transmission and processing capabilities, it can be connected to all anti-counterfeiting data systems to meet multi-level anti-counterfeiting needs, with clear and permanent markings

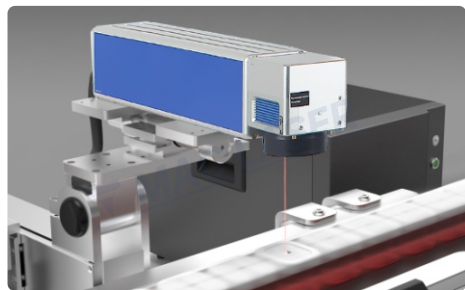
It adopts single-chip microcomputer control, limited data processing capacity, few anti-counterfeiting functions, clear marking effect, easy to erase and change

Safety and
environmental protection

It does not produce substances harmful to the environment and the human body, it produces surface scratches on the objects to be printed. It is an environmentally friendly high-tech product. It has been widely used in food and medicine production. Complies with GB 7 2 4 7-87; GB10320-88 standard

Ink and solvent are highly volatile substances, which will produce more chemical toxic residues and pollute the environment. The chemical composition and odor of ink and solvent may penetrate into the marked object. Internationally, it is also gradually replacing ink jet coding equipment

PRODUCT CHARACTERISTICS



MARKING SPEED UP TO 200 METERS PER MINUTE

This is the industry's fastest marking laser coding system, with a marking speed of up to 200 m/min (single line of 2MM-high numbers and letters), which can be used in medium-speed or high-speed production lines

RELIABLE AND DURABLE FIBER LASER SOURCE

It adopts MAX high-quality fiber laser light source, which is in uniform laser power density and highly focused laser beam Achieved a better logo contrast and the working life of the laser can reach 100,000 hours



COMPACT DESIGN AND FLEXIBLE CONFIGURATION

This model uses compact laser printer marking head to achieve simple integration to reduce installation costs and improve positioning flexibility

FLEXIBLE INSTALLATION WAY, CONVENIENT INSTALLATION POSITION ADJUSTMENT

The flying model is specially designed for high-speed production lines, which can be flexibly combined with production lines for installation and use. The frame can be moved up and down and left and right to adjust, the marking head can also be rotated 360° for marking.

