MZF-Hseries

UV Bevel Laser Marking Machine

Average output power

3W / 5W / 10W

High precision marking

Portable, mini foldable

机型介绍　PRODUCT DESCRIPTION

MZF-H series bevel smart machine belongs to desktop UV laser marking equipment. It is a special model specially developed for high-precision marking, wide application range, compact and flexible equipment. It is developed with a 355nm ultraviolet laser. The material has a high absorption rate of ultraviolet light and has wider material adaptability. The focused spot of ultraviolet light is extremely small, and the processing heat-affected zone is very small, which is more suitable for ultra-fine marking of various materials.

Ultraviolet bevel laser marking machine is used in the high-end market of ultra-fine processing, fine cutting, and micro-processing. It is mainly used for various materials such as glass, LCD screen, textiles, thin ceramics, semiconductor silicon wafers, IC grains, sapphire, and polymer films. marking and surface treatment.

MZF-H series

UV laser marking machine series

The MZF-H sub-series uses the pulsed UV laser of JPT Laser, which has excellent beam quality and perfect spot characteristics. The whole machine adopts an integrated structure design, and the optical path and external drive circuit are integrated, which makes this product series have strong anti-interference ability. Optimize and upgrade the fully sealed structure to effectively prevent external dust from entering.
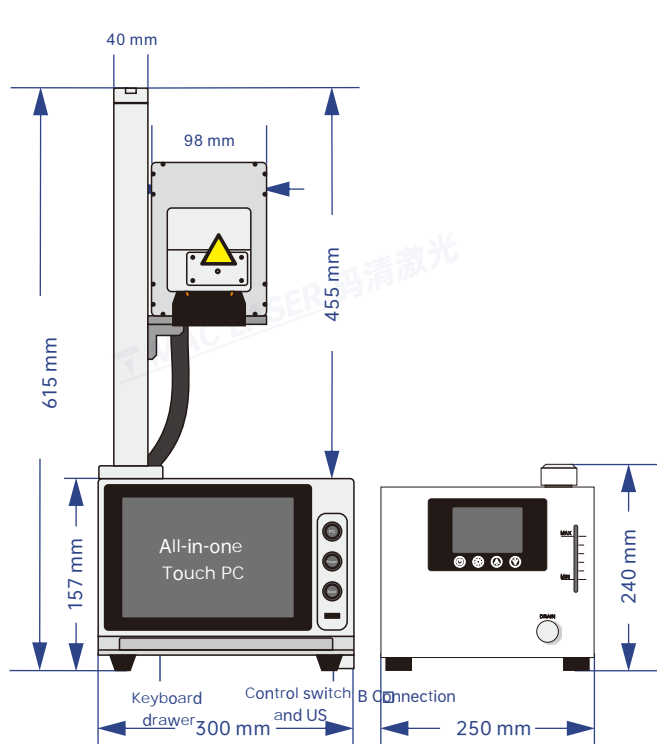
机型参数 PRODUCT PARAMETER

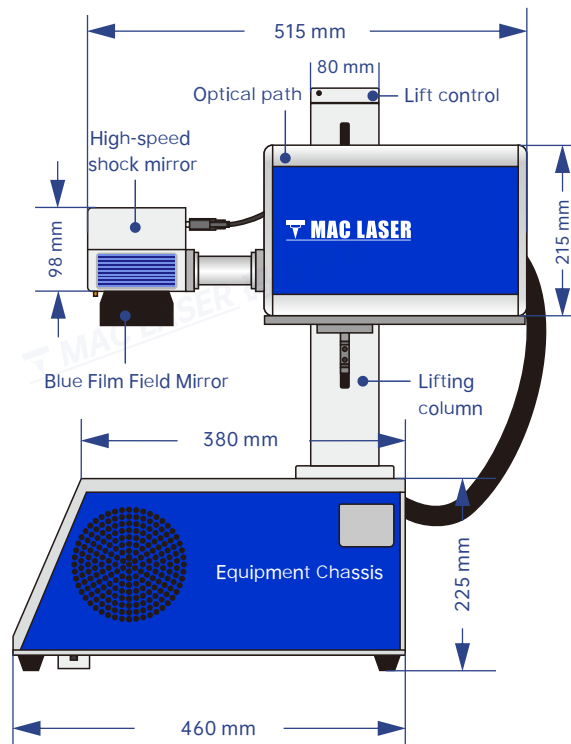| Model series		MZF-H series (Jupiter laser)		
model		MZF-3H	MZF-5H	MZF-10H
Laser parameters	Laser model	SEAL-355-3	SEAL-355-5	SEAL-355-10S
	Output Power	3W	5W	10W
	beam qualityM^2	1.2		
	Laser wavelength	355 nm		
	Pulse frequency	20-150 kHz		40-300 kHz
	Exit beam diameter	0.7±0.1 mm		0.8±0.1 mm
	output power stability	3%		
	Design life	About 20,000 working hours (not service life)		
optical properties	Marking range	100~160mm (range optional)		
	Engraving Depth	1mm (depending on power and time)		
	Engraving speed	10000mm/s		
	Repeatability	±0.002		
	Minimum Marker Line Width	0. 01mm		
	Minimum character height	0.03mm		
use environment	cooling method	water cooling		
	System power supply	500W / 220V / 50Hz（Can be connected to 110V）		
	temperature humidity	5~35° 30% RH 85%		
	Oil mist, condensation	not allowed		
Other parameters	operating system	Windows operating system		
	file format	All fonts/typefaces of WINDOWS operating system font library (standard USB input)		
	Dimensions	Marking machine 300X460X615mm water tank 250X340X24mm		
	Total Weight	about 30kg		

Note: Laser marking machines with different power (W) have differences in marking accuracy, depth, speed, color depth and service life. When purchasing, please communicate with the business personnel of the code clearer according to the marking products and needs. Then choose a plan.
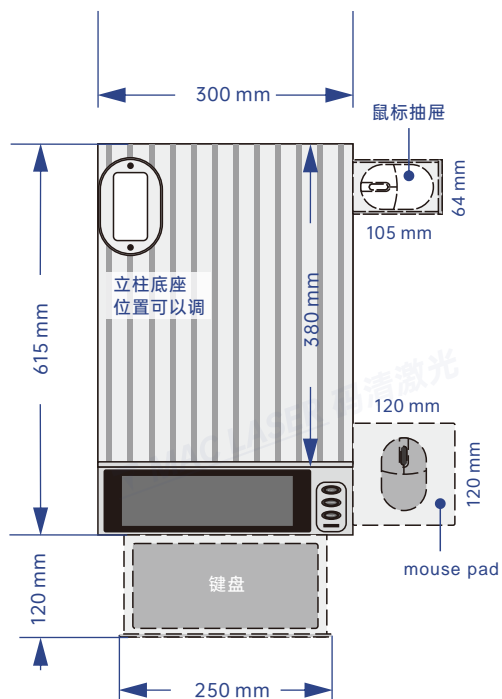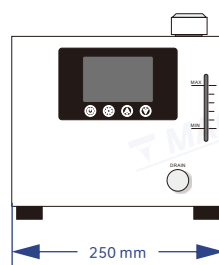
device front
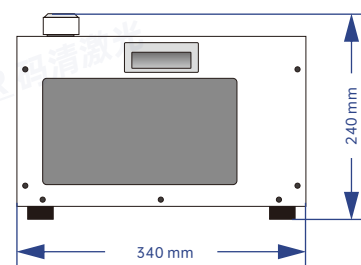

device side

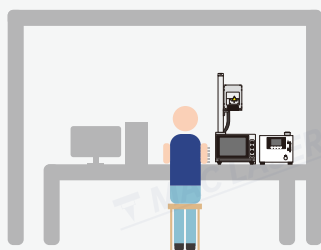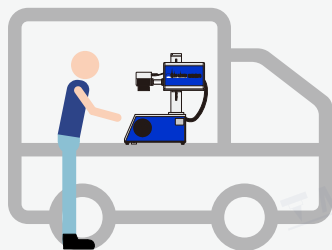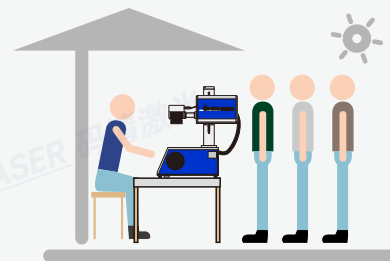Device desktop (top view)

Industrial Chiller

front

side

应用场景 APPLICATION SCENARIO

● small studiods

● Street stall economy

● Outdoor activities

应用范围 SCOPE OF APPLICATION

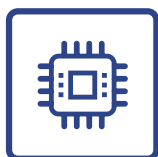**手机通讯**
Mobile Communications

玻璃陶瓷
Glass ceramics

金属产品
Metal products

彩妆化妆品
Make-up cosmetics

食品包装
Food packaging

电子元件
Electronic component

建筑材料
Building materials

礼品包装
Gift wrap

Mobile Communications/Electronic Components

Apple series product mark

3C component mark

Car function control panel marking

Glass Ceramics/Building Materials

Goblet bottom mark

glass crafts markers

ceramic bowl marker

wallpaper tag

cable marking

Acrylic Signage Marking

Metal Products/Food Packaging

nameplate personalized mark

Outdoor multi-function buckle tag

metal jewelry tag

carton date stamp

Food Bag Date Marker

Traceability code marking on cans

Makeup Cosmetics/Gift Packaging

● lipstick casing mark

● foundation box mark

● perfume bottle mark

● Wooden box packaging mark

● Caviar Packaging Marking

● High-end cigar package mark