



诚信立足 创新致远  
Basing on honesty, developing by creativity



**济南普斯博机械设备有限公司**

地址：济南市高新区开拓路理想家园2号写字楼1702室

电话：+86-531-66958362

网址：www.possiblemachine.cn www.possiblemachine.net

邮箱：info@possiblemachine.net

**JINAN POSSIBLE ENGINEERING&MACHINERY CO.,LTD**

Add: Room No.1702,No.2 Building, No.15612 Century Road,Gaoxin DistrictRoad,Jinan

Tel: +86-531-66958362

Web: www.possiblemachine.cn www.possiblemachine.net

Email: info@possiblemachine.net



**济南普斯博机械设备有限公司**

JINAN POSSIBLE ENGINEERING&MACHINERY CO.,LTD



## DIRECTORY 产品目录



## COMPANY PROFILE 企业简介



Jinan Possible Engineering & Machinery Co., Ltd, is a high-tech enterprises, which gather development, design, manufacture, sales service and trading . Our main product is laser equipment, like laser marking, laser engraving and cutting machine ,pneumatic mark machine. And We develop the first domestic Diamond laser micro carving machine,focusing on supply solutions for the manufacturing enterprise with industrial automation system.

We persist technological innovation as our direct ideas, adopted the advanced technology of the whole industry, absorbed top technology, with high standard manufacture industry, the development, advanced technology and control system, provide the best system integration solutions of industrial application fields



诚信  
创新  
立足  
致远



# HIGH PEAK LASER MARK MACHINE/ 高峰值激光打标机

PBL-HP03 / PBL-HP06 / PBL-HP12 / PBL-HP20

## 特点:

- 体积小, 重量轻
- 全风冷设计、打标速度快, 性价比高
- 激光峰值功率高, 打标时间短, 效果更精细
- 无耗材, 免维护, 工作寿命长
- 可集成到工业生产线
- 适用于大多数金属及非金属的快速标刻。
- 可定制成不同设计方案。

## Characteristics:

- Small volume, easy to carry, light weight
- Fully air cooled, low heat loss, no need to assemble with extra cooling system; Fast marking speed, high performance.
- High peak laser power value, marking time is shorter, more precisely.
- Good beam quality, high output power, easy to debug the laser marking effect;
- No consumption, free maintenance, longer working hours
- Stable performance, low power consumption.
- Used widely on marking most material, metal and non-metal

## Different Types:



Desktop standard



Mini type with protection cover



Enclosed cabinet type



With LED fixture for LED marking



3W smallest mini type



Movable cart type

## APPLICATION

应用行业:

- 手机按键、塑胶透光按键;
- 电子元器件、集成电路 (IC) ;
- 电工电器、通讯产品、标牌;
- 卫浴洁具、五金制品;
- 工具配件、精密器械;
- PVC管材、医疗器械等行业。
- Electronic components, integrated circuits (IC);
- Electrical appliances, communication products, signs;
- Sanitary ware, hardware;
- Tool accessories, precision instruments;
- PVC pipes, medical equipments and other industries.

## 技术参数 Specifications:

型 号 Model	PBL-HP03/06/12/20
Wavelength (nm)	1064
Operating mode	Q-switched
Output power (W)	3/6/12/20W
Single pulse energy (uJ)	1~400
Marking speed	≤ 7000mm/s
Marking linear width	0.06mm
Pulse duration (ns)	<40@30kHz <50@50kHz <70@100kHz <120@200kHz
Warm-up time (minutes)	<10
Rep. rate (kHz)	1~200, adjustable by external control
Ave power stability (over 4 hours)	<1%, <3%, <5%, <10%
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~4.0
Beam height from base plate (mm)	96

## Sample



Jewelry Marking



Rubber Marking



LED Marking



Battery Marking



Transparent Button



Transparent Plastic Tube



Plastic / ABS Marking



Leather Marking



## DIAMOND LASER MICRO MARK MACHINE/ 钻石微刻机

### PBL-FS100

#### 特点:

- 使用自主研发的具有国际领先水平的调Q激光器,
- 激光光束质量好, 与物质作用时间<3ns, 热效应极小;
- 使用高倍扩束器和双波段消像差聚焦镜联合使用,
- 完美的设计使聚焦光点小至5μm;
- 使用高精度X-Y-Z数控电移平台,
- 重复定位精度达到±1μm;
- 可以输入编辑任何文字图形, 操作简便易学;
- 设备使用寿命>20000小时, 总耗电量<200W, 无水冷, 免维护

#### Characteristics:

- 1. Using the independent research and development Q-switched lasers with international leading level; excellent beam quality, pulsed duration less than 3ns, very small thermal effect;
- 2. High-power beam expander and dual-band aberration focusing mirror is used in conjunction with the perfect design to a small focused spot to 5μm;
- 3. Using high precision X-Y-Z CNC electronic displacement platform, repeat positioning accuracy up to 1μm;
- 4. The use of laser and CCD microscopy confocal aiming optical system to display the micron engraved diamond image and laser engraved lines clearly at the same time, and the operator eyes don't fatigue;
- 5. Specially designed software to input and edit any text and graphics, easy to operate;
- 6. Operation lifetime >20000 hours, total power consumption <200 W, air-cooled, no need to maintenance.
- 7. No any damage to the diamond; marking precisely and beautifully.

#### Details:

型 号 Model	PBL-FS100
Repeat positioning accuracy	±1μm
Maximum marking line speed	2mm/s
Minimum marking character height	40μm
Minimum marking line width	5μm
Cooling method	Air cooled
Power consumption	<200W
Dimensions	510mm(L)*415mm(W)*345mm(H)
Weight	30kg
Lifetime	20000 hours



Diamond / Ring Fixture



## CRYSTAL LASER INNER CARVER / 水晶内调机

### PBL-IC01



可通过电脑随意设置自己需要的二维或三维图像, 简单方便;  
半导体泵浦和高速振镜系统可以做到在物体的表面和内部进行快速、高精度地雕刻图案; 点细腻而均匀, 使得工艺品美观大方;  
雕刻出来的图像由于其永不磨灭的特点, 极具收藏、欣赏和纪念价值。

Through computer random set of two-dimensional or three-dimensional image of our own needs, simple and convenient;  
semiconductor pump and high-speed galvanometer system can achieve fast, high precision on the surface of the object and the internal carving pattern; point is fine and uniform, the craftwork is beautiful and generous; carved out of the image due to its characteristics of indelible, and with collection, appreciation and commemorative value.

#### 技术参数 Specifications:

型 号 Model	PBL-IC01
Maximum crystal size	150*250*100 mm(Can be Customized)
Marking area	100*100mm
Maximum marking speed	2000points/s
Point size	100μm
Laser type	DPSS
Cooling method	by air
Laser wavelength	532nm
Laser frequency	2KHz
Power requirement	220V/50Hz
Power consumption	2KW
Dimensions	780*500*600 mm

#### Sample





# FIBER LASER MARK MACHINE/ 光纤激光打标机

PBL-DF / SF / CF / HF / PF / MF 10/20/30/50

## 设备介绍:

光纤激光打标机输出功率稳定、光学模式好、光束质量优异、打标速度快，效果好，效率高，是目前世界上最先进的激光标记设备之一。操作简单、无耗材、能耗低；标记更加精细清晰，在对深度、光滑度、精细度要求更高的领域具有不可替代的优势，能充分满足工业化连续工作需求。

## Introduction:

Fiber laser marking machine is one of the most advanced laser marking equipment in the world nowadays, because of stable output power, great optical model, excellent quality of laser beam, fast marking speed and best marking effect and efficiency. Also, it is easy to operate, has no consumption, low power consumption. More incomparable advantages like: better and thinner marking lines, capable of being applied into more advanced industries needing higher demand of depth, smoothness and precision, in order to perfectly meet requirements of consecutive working in industries.

## 适用领域:

电子及通讯产品、集成电路芯片、电脑配件和电器；各种精密零件、五金工具、仪器仪表、航天航空器件；首饰、钟表、礼品、办公用品、商标标牌、卫生洁具；餐具、食品、饮料及烟酒等众多领域图形和文字的标记,以及大批量生产线作业。

## Applied Field:

Electronics and communication tools, IC chips, computer accessories and electrical appliances, all kinds of precise components, hardware tools, instrument and meter, aerospace devices, jewelry, clocks, gifts, office supplies, trademark signs, sanitary ware, table ware, food, beverages, tobacco and alcohol and many other industries for marking logos, symbols, words, and also can be used in production line for mass quantities.

型号 Model	PBL-DF10	PBL-DF20	PBL-DF30	PBL-DF50
最大激光输出功率 Maximum laser power	10W	20W	30W	50W
激光波长 Laser wavelength	1064nm			
打标副面 Marking scope	110*110(200*200)mm			
打标线宽 Marking linear width	0.01-0.1mm			
打标深度 Marking depth	0.01-5mm(视材料) 0.01-5mm(Optional)			
打标速度 Marking speed	≤7000mm/s			
电源需求 Power required	220V/50Hz/500W			
冷却要求 Cooling system dimensions	采用冷风冷却 Air cooled			

PBL-DF10/20/30/50



## 台式设备款式及相关介绍:

Many models of desktop fiber laser marking machine and related details:

## 台式光纤一体设备

Desktop fiber laser marking machine (all-in-one type)

## 特点应用:

- 1. 机型美观大方, 布局合理, 防尘效果好。
- 2. 电气机柜与打标工作台一体式设计, 占地面积小。
- 3. 升降工装与打标工作台垂直度高, 适用于小型工件的精细打标。

## 外形尺寸:

长 \* 宽 \* 高: 85cm\*70cm\*138cm

净重: 120kg

## Characteristics:

- 1. Beautiful machine type, proper layout, excellent effect of dustproof
- 2. All-in-one design of electric cabinet and working table, small volume
- 3. High verticality degree between lifting table and working table, especially used for marking on small workpieces

Outline size (L\*W\*H): 85cm\*70cm\*138cm

Net weight: 120kg

PBL-SF10/20/30/50



## 分体式光纤设备

Desktop fiber laser marking machine

## 特点应用:

- 1. 采用分体式设计, 高度调节范围大, 独立密封机柜适合恶劣的生产环境。
- 2. 扩展性强, 可加装旋转轴, 平移台, 流水线等非标工装。
- 3. 此款产品适合于工件种类多, 产品外形尺寸差别比较大的厂家。

## 外形尺寸:

光纤升降台: 长 \* 宽 \* 高: 87cm\*46cm\*168cm/145cm (可选)

光纤电气柜: 长 \* 宽 \* 高: 66cm\*58cm\*101cm

三维工作台: 长 \* 宽 \* 高: 33cm\*25cm\*65cm (高度可调)

净重: 129kg

## Characteristics:

- 1. Detached design, wide range of adjusting height, independent and sealed cabinet can be used in terrible working environment.
- 2. Strong expansibility, our equipment can also be used together with rotary device, precision translation tables, assembly line and other nonstandard special tools.
- 3. This type of machine can mark many kinds of workpieces, especially those products with different outline sizes.

## Outline sizes:

Lifting table (L\*W\*H): 87cm\*46cm\*168cm/145cm (optional)

Electric cabinet (L\*W\*H): 66cm\*58cm\*101cm

Three-dimensional working table: (L\*W\*H): 33cm\*25cm\*65cm (adjustable height)

Net weight: 129kg

PBL-DF10/20/30/50



## 特制一体机柜台式光纤设备

Desktop fiber laser marking machine with marble working table(all-in-one type)

## 特点应用:

- 1. 小型机柜, 简易大方, 便于移动。
- 2. 体积小巧, 节省占地面积, 且适用于恶劣环境工作。
- 3. 小型升降工装, 可针对各类小型工件调节进行标记。

## 外形尺寸:

长 \* 宽 \* 高: 85cm\*67cm\*145cm

净重: 112kg

## Characteristics:

- 1. Small cabinet, easy to operate and move
- 2. Small volume, well applied in terrible working environment.
- 3. Small lifting tools, especially for marking all kinds of mini size of workpieces

## Outline sized:

(L\*W\*H): 85cm\*67cm\*145cm

Net weight: 112kg

PBL-CF10/20/30/50



## 光纤密封机柜型

Sealed fiber laser marking machine

## 特点应用:

- 1. 全密封式光纤打标机是我公司针对国外客户研发的新产品, 一体化程度高。
- 2. 内部设计有安全门, 最大程度上保护了操作人员的安全。
- 3. 机柜密封程度高, 散热效果好, 可以在各种环境下使用。

## 外形尺寸:

长 \* 宽 \* 高: 81\*65\*156cm

净重: 160kgs

## Characteristics:

- 1. Totally sealed fiber laser marking machine is newly developed by our company, especially for foreign customers, highly integrated.
- 2. Safe doors in internal design, to protect safety of workers at maximum extent.
- 3. Highly sealed cabinet but with good cooling effect, can be used in every environment.

## Outline sizes:

(L\*W\*H): 81\*65\*156cm

Net weight: 160kgs



# FIBER LASER MARK MACHINE/ 光纤激光打标机

## PBL-HF / PF / MF 10/20/30/50

### 应用领域:

便携式光纤激光打标机适用范围广, 特别适合五金工具、刀具厨具、塑料制品、金属饰品、钮扣、集成电路、眼镜架、洁具龙头等产品的标记刻制。标记清晰美观, 永不消失。

### Applied Field:

Portable fiber laser marking machine for a wide range of application, especially suitable for hardware tools, kitchenware knives, plastic products, metal jewelry, buttons, integrated circuits, frames, plumbing fittings and other products marking. Clear and beautiful markings, never disappear.

## 手持可拆卸两用式 PBL-HF10/20/30/50

### 设备特点:

- 1. 激光器全光纤结构设计保证了激光器的高可靠性, 而无需任何光学元件进行准直调整。
- 2. 系统的集成化可拆卸设计让客户使用更加方便, 为各种工业应用提供了理想的解决方案。
- 3. 使用环境宽松, 室内、野外均可应用, 便于携带。
- 4. 激光头可拆卸, 适用于任何角度打标。

### 外形尺寸:

长 \* 宽 \* 高: 60cm\*22cm\*52cm

净 重: 30kg



### Handheld removable dual-use type

### Machine features:

- 1. Laser all-fiber design ensures high reliability of the laser, without any optics to adjust collimating.
- 2. Removable integrated system design makes it more convenient for customers to use, provides the ideal solution for a variety of industrial applications.
- 3. Using environment is liberal, indoor, outdoor can be applied, easy to carry.
- 4. The laser head is removable, apply to any angle to mark.

### Shape dimension:

(L\*M\*H): 60cm\*22cm\*52cm

Net weight: 30kg

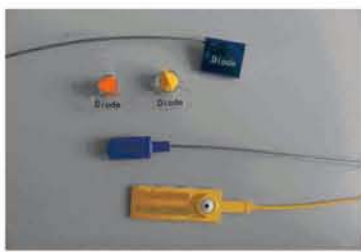
样品图片:  
Marking S



阀门 Valves



电池 Batteries



密封 Seals



密封 Seals



轴承 Bearings



灯具外壳 Lamp fixtures

## PBL-PF10/20/30/50



## 便携式一体机

### 特点应用:

- 1. 整机体积小, 只相当于一台台式电脑的机箱大小, 是目前市面上最小的激光打标机。
- 2. 使用成本低, 省电节能, 整机功率仅 500W。相比灯泵浦和半导体激光打标机每年可节约电费 2-3 万元。
- 3. 一体模块化设计, 方便维修, 体积小巧, 节省您宝贵的厂房空间。

### 外形尺寸:

长 \* 宽 \* 高: 70cm\*20cm\*50cm

● 净重 35kg

### Portable type fiber laser machine

### Features and application:

- 1. The whole system is just as small as a case of the desktop computer in size, it is the smallest laser marking machine in the present market.
- 2. Low cost, saving energy, the whole power is just only 500W. Compared to lamp-pumped and semiconductor laser marking machines, it can save using cost.
- 3. One modular design, easy maintenance, compact size. Save your valuable floor space.

### Shape dimension:

(L\*M\*H): 70cm\*20cm\*50cm

Net weight: 35kg

## 迷你式分体机

### 特点应用:

- 1. 环境要求简单, 无需恒温恒湿和水冷设施。耗材最少, 维护最简。
- 2. 升降范围大, 适用于不同外形尺寸的产品打标。
- 3. 可加装旋转轴等非标工装。

### 外形尺寸:

光纤升降台: 长 \* 宽 \* 高: 72cm\*32cm\*68cm

光纤电气柜: 长 \* 宽 \* 高: 45cm\*21cm\*39cm

净 重: 51kg

### Mini fiber laser mark machine

### Features and application:

- 1. Environmental requirement is simple, without constant temperature and humidity and water cooling facilities. Minimal supplies, simplest maintenance.
- 2. Large lifting range, apply to different dimensions of products marking.
- 3. Rotary axis and other non-standard tooling can be added.

### Shape dimension:

Fiber lifts: L\*W\*H: 72cm\*32cm\*68cm

Fiber electrical cabinet: L\*W\*H: 45cm\*21cm\*39cm

Net weight: 51kg

## PBL-MF10/20/30/50



样品图片:

Marking Sample Pictures:



五金螺丝 (Hardware screw)



眼镜架 (Frames)



不锈钢 (Stainless steel)



# GREEN / UV LASER MARK MACHINE/绿光紫光激光打标机

PBL-G5A/7A/9A PBL-UV1A/3A/5A

## 绿光激光打标机 设备介绍:

- 532nm 输出波长减少了对加工件的热影响
- 振镜式高精度打标头,打标效果精细并可重复加工
- 高精度细致光斑保证打标结果的完美

## 适用领域:

玻璃,水晶制品的表面和内部雕刻,如手机屏,LED屏,光学器件,汽车玻璃等。同时可适用绝大多数金属和非金属材料的表面加工和镀层薄膜的加工。如五金,陶瓷,眼镜钟表,PC,电子器件,各类仪表,PCB板和控制面板,铭牌展板,塑料等。



型号 Model	PBL-G5A/7A/9A
激光器类型 Laser supply	绿光激光器 Green ray laser supply
激光波长 Laser wavelength	532nm
额定输出功率 Output power	5W, 7W, 9W
光束质量 Beam quality	M2<2
有效打标范围 Marking area	70*70, 110*110(mm)
调Q频率 Frequency tuning Q	8KHz~15KHz
最小线宽 Min line width	0.01mm
最小字符 Min character	0.2mm
重复精度 Accuracy of repetition	±0.003mm
整机功率 Machine power	2Kw
电力需求 Electrical power requirement	220V/single/50Hz/10A

## Introduction:

- 532nm output wavelength lower heat affecting on workpieces
- High precise laser head with vibrating mirror, accurate marking effect and can be repeatedly processed
- Highly precise and thin laser spot can make sure of prefect marking effect.

**Applied Field:** Glass, surface and internal engraving of crystal ware, such as: mobile phone screen, LED screen, optical element, automotive glass, etc. Also can be used in surface working of most of metal and nonmetal materials and coating film working, such as: hardware tools, ceramics, glasses, clocks, PC, electronic device, all kinds of instrument, PCB plates, and control board, nameplates, panels, plastics, etc.

## 紫外激光打标机 设备介绍:

紫外激光打标机是我公司自主研发具有国际先进技术的深紫外激光打标机。1.5W 最大输出功率,光电转换效率高,非线性晶体使用寿命长,整机运行稳定,适用于超精细打标,像液晶屏,晶片,薄片陶瓷,蓝宝石,镀膜手机外壳等表面的精细打标。

## Introduction:

ultraviolet laser marking machine, researched and developed by our own company, is deep ultraviolet laser marking machine with advanced technology in the world. The Max output power is 1.5w, high efficiency of photovoltaic conversion, long life span of nonlinear crystal. The whole machine works stably, applied in superbly precise marking, such as, LCD, wafer, chip ceramic, sapphire, coating cell phone casing, etc and precise surface marking of other materials.

样品图片:  
Marking Sample Pictures:



型号 Model	PBL-UV1A/3A/5A
激光器类型 Laser supply	紫外激光器 ultraviolet laser
激光波长 Laser wavelength	355 nm
额定输出功率 Output power	1W/3W/5W
光束质量 Beam quality	<2
有效打标范围 Marking area	50*50, 110*110(mm)
调Q频率 Frequency tuning Q	8KHz~15KHz
最小线宽 Min line width	0.01mm
最小字符 Min character	0.2mm
重复精度 Accuracy of repetition	±0.003mm
整机功率 Machine power	2Kw
电力需求 Electrical power requirement	220V/ 单项 single/50Hz/10A

# CO2 RF LASER MARK MACHINE/二氧化碳激光打标机

PBL-RF10/30/55/75/100

## 设备介绍:

采用金属管射频 CO2 激光器,高速扫描振镜,速度快,精度高,属后聚焦方式。机器的控制软件基于 Windows 界面,可兼容 CorelDraw, AutoCAD, Photoshop, illustrator 等多种软件输出文件。功率由软件控制,连续可调,加工成本低廉,无需任何耗材。

**适用领域:** 广泛应用于各类消费用品,食品包装,饲料包装,医药包装,建筑陶瓷,服装辅料,皮革,纺织物切割,工艺礼品,橡胶制品,外壳铭牌,牛仔布,家具等。

**适用材料:** 适用于纸张,皮革,布料,有机玻璃,环氧树脂,亚克力,毛料制品,塑胶,陶瓷,水晶,玉石,竹木制品。

**Features:** Metal tube RF CO2 laser supply, high speed scanning lens, fast speed, very accurate, belong to back focal length. Software of this machine applies Windows surface, compatible with CorelDraw, AutoCAD, Photoshop, illustrator and other software output files. Laser power is controlled by software, can be continuously adjusted, low cost, no consumption.

型号 Model	PBL-RF10	PBL-RF30	PBL-RF50	PBL-RF75	PBL-RF100
最大激光输出功率 Maximum laser power	10W/30W/55W/75W/100W				
打标面积 Marking scope	110*110mm	200*200mm	300*300mm		
打标线宽 Marking linear width	0.15-0.3mm				
打标深度 Marking depth	0.01-3mm( 视材料 depending on materials)				
打标速度 Marking speed	≤7000mm/s				
电源需求 Power required	220V/50HZ/10A				
控制系统 Control system	580*600*780(mm)				
主机系统 Host system	1070*500*1220(mm)				
冷却要求 Cooling system dimensions	风冷 Air cooled				

**Applied filed:** widely used in all kinds of consumer goods, food packaging, fodder packaging, pharmaceutical packaging, architectural ceramics, clothing accessories, leather, fabric cutting, craft gift, rubber products, shell plate, jeans cloth, furniture, etc. Application Materials: paper, leather, cloth, organic glass, epoxy resin acrylic, Wool products, plastics, ceramics, crystal, jade, bamboo and wood products.

## CO2 射频设备款式及相关介绍

Types of CO2 RF Laser Marking Machine and related introduction:

## 特点应用:

- 1、分体式结构,独立工作台面适合放置各种尺寸的工作。
- 2、密封式电气柜,适用于恶劣环境工作。

## 外形尺寸:

- 升降台:长\*宽\*高:130cm\*25cm\*140cm(可调)
- 电气柜:长\*宽\*高:66cm\*58cm\*101cm
- 三维工作台:长\*宽\*高:33cm\*25cm\*65cm(高度可调)
- 净重:127kg



## 特点应用:

- 1、适用于较大工件的打标和流水线飞行打标等非标工装。
- 2、外形设计紧凑,占地面积小。

## 外形尺寸:

- 光路部分:长\*宽\*高:87cm\*46cm\*168cm/145(可选)
- 电气柜:长\*宽\*高:38cm\*18cm\*30cm
- 净重:112kg



## 特点应用:

- 1、小型独立升降工装,与工作台合二为一,更加节省了空间,且操作简单,便于携带。
- 2、整机采用模块化设计,体积小巧方便携带与运输,还可选配专用平台与夹具集成在生产线上使用。

## 外形尺寸:

- 光路部分 长\*宽\*高:72cm\*32cm\*68cm
- 电气柜 长\*宽\*高:38cm\*18cm\*30cm
- 净重:48kg



## Features:

- 1. Detached structure, independent working table can hold all shapes of workpieces.
- 2. Sealed electric cabinet, can work under terrible working environment.

## Outline Dimension:

- Lift Table: L\*W\*H: 130cm\*25cm\*140cm (adjustable)
- electric cabinet, L\*W\*H: 66cm\*58cm\*101cm
- Three-dimensional working table L\*W\*H: 33cm\*25cm\*65cm (height can be adjustable)
- Net weight: 127kg

## Features:

- 1. Applied for marking on bigger workpieces and online flying marking and other nonstandard working tools.
- 2. Compact outline design, small volume.

## Outline Dimension:

- The light path part L\*W\*H: 87cm\*46cm\*168cm/145 (optional)
- electric cabinet, L\*W\*H: 38cm\*18cm\*30cm
- Net weight: 112kg

## Characteristics:

- 1. Mini, independent lifting table, which is combined with working table, saving more space, easy to operate and take.
- 2. The whole machine adopts modular design, small volume, easy to take and transport, can also be used in assembling line with special working table and fixture

## Outline Dimension

- The light path part L\*W\*H: 72cm\*32cm\*68cm
- electric cabinet, L\*W\*H: 38cm\*18cm\*30cm
- Net weight: 48kg



# UNIVERSAL LASER ENGRAVING & CUTTING MACHINE/

## 通用型激光雕刻切割机

PBLE-60/80/100/130-6040/9060/1290/1325

### 特点应用:

PBLE-60/80-9060 既可以雕刻也可以切割, 是一款经济型的设备, 以 CO2 激光管为能源, 结合电子、机械、计算机技术研制而成。激光头与工件不接触, 不会划伤表面, 切缝小, 精度高。是各种加工行业的理想选择。可以为各行业实现优质高效的加工效果。

### Introduction:

PBLE-60/80-9060 can do engraving and cutting, it is an economy equipment use the CO2 laser tube as energy source, combined with mechanical, electronic, computer technology. The laser head and the workpiece does not contact, so it will not scratch the surface, have small cutting slot, high precision. It is the ideal choice for all kinds of processing industry. And can achieve efficient processing results.

### 适用领域:

木头、竹筒(椭圆、圆柱)、玉器、大理石、有机玻璃、水晶、塑料、衣服、纸张、皮革、橡胶、陶瓷、玻璃以及其他非金属材料。

### Applied Field:

Wood, bamboo (elliptic, cylinder), jade, marble, organic glass, crystal, plastic, cloth, paper, leather, rubber, ceramic, glass and other nonmetal materials.

### 适用行业:

广告、工艺品、皮革、玩具、服装、模型、建筑装潢、电脑绣花裁剪、包装业和纸业。

### Applied Industry:

Advertisement, arts and crafts, leather, toys, garments, model, building upholstery, computer embroidery and clipping, packaging and paper industry.

型号 Model	PBLE-60/80/100/130-6040/9060/1290/1325
工作幅面 Working area	600*400mm, 900*600mm, 600mm, 900mm 宽, 前后送料不限制长度 Back and forth through the material does not limit the length
激光种类 Laser type	封闭式 CO2 激光管 Sealed CO2 laser tube
激光能量 Laser power	60 / 80 / 100 / 130 / 150 / 180 W
冷却方式 Cooling system	循环水冷却 Water cycle cooling
功率调节 Optional power	0-100% 软件设定 set by software
控制系统 Operate system	高速 DSP 控制, 步进电机 High speed DSP control, step motor
最大雕刻速度 Maximum engraving speed	60000mm/min(适材料而定) (Depending on materials)
最大切割速度 Maximum cutting speed	30000mm/min(适材料而定) (Depending on materials)
重复定位精度 Repeat positioning accuracy	0.01mm
最小成形文字 Minimum shaping character	中文: 1.5mm, 字母: 1mm Chinese Character: 1.5mm, letters: 1mm
工作电压 Working Voltage	AC220V 50Hz
工作环境 Working environment	温度: 0-45℃, 湿度: 5%-95% Temperature: 0-45℃, Humidity: 5%-95%
文件格式 File format	*.plt *.dst *.dxf *.bmp *.dwg *.ai *.las, 支持 AutoCAD, CoreDraw 直接输出 *.plt *.dst *.dxf *.bmp *.dwg *.ai *.las, support AutoCAD, CoreDraw output directly



样品图片:  
Marking Sample Pictures.



# DOUBLE HEAD LASER ENGRAVING & CUTTING MACHINE/

## 双头激光雕刻切割机

PBLE-60/80/100/130-6040/9060/1290/1325 D

### 特点应用:

PBLE-60/80/100-9060D 为互移动式双头激光切割机, 设备加工材料广泛, 切割边缘光滑无毛刺, 免抛光, 无噪音, 无尘屑, 加工速度快, 精度高, 废料少, 效率高, 是各行业的必备和换代的最佳选择。

### Introduction:

PBLE-60 / 80 / 100-9060 D is mutual moving type double head laser cutting machine. It can apply to wide range of materials, cutting edge smooth, free polishing, no noise and dust, fast processing speed, high precision, high efficiency, less waste, it is the best choice for various industries and upgrading.

### 适用领域:

双色板、有机玻璃、亚克力、木板、纸张、皮革、布料、橡胶、大理石、花岗石、瓷砖、贝壳等非金属材料。

### Applied Field:

Double color plate, organic glass, acrylic, wood, paper, leather, cloth, rubber, marble, granite, ceramic tile, shells and other nonmetal materials.

### 适用行业:

广告标识牌、工艺礼品、水晶饰品、剪纸工艺、浮雕、竹木雕刻工艺、印刷制版、服装皮革、刺绣、装饰装修、相框制作等行业。

### Applicable Industry:

Advertising signage, craft and gifts, crystal ornaments, paper cutting techniques, relief, bamboo carving, Printing plate, leather clothing, embroidery, decorative decoration, frame fabrication, etc.

型号 Model	PBLE-60/80/100/130-6040/9060/1290/1325 D
工作幅面 Working area	1200*900mm, 1400*900mm, 1600*1000mm, 1200mm, 1400mm, 1600mm 宽, 前后送料不限制长度 Back and forth through the material does not limit the length
激光种类 Laser type	封闭式 CO2 激光管 Sealed CO2 laser tube
激光能量 Laser power	40 / 60 / 80 / 100 / 130 / 150 / 180 W
冷却方式 Cooling system	循环水冷却 Water cycle cooling
功率调节 Optional power	0-100% 软件设定 set by software
控制系统 Operate system	高速 DSP 控制, 步进电机 High speed DSP control, step motor
最大雕刻速度 Maximum engraving speed	60000mm/min(适材料而定) (Depending on materials)
最大切割速度 Maximum cutting speed	30000mm/min(适材料而定) (Depending on materials)
重复定位精度 Repeat positioning accuracy	0.01mm
最小成形文字 Minimum shaping character	中文: 1.5mm, 字母: 1mm Chinese Character: 1.5mm, letters: 1mm
工作电压 Working Voltage	220V 50Hz
工作环境 Working environment	温度: 0-45℃, 湿度: 5%-95% Temperature: 0-45℃, Humidity: 5%-95%
文件格式 File format	*.plt *.dst *.dxf *.bmp *.dwg *.ai *.las, 支持 AutoCAD, CoreDraw 直接输出 *.plt *.dst *.dxf *.bmp *.dwg *.ai *.las, support AutoCAD, CoreDraw output directly



样品图片:  
Marking Sample Pictures.





# DESKTOP PNEUMATIC MARK MACHINE/台式气动打标机

PBA-D9011(T) / PBA-D9018 (T)

## 设备介绍:

台式气动打标机是应用最为广泛的一种机型。该设备关键部件我们均采用进口优质配件,大大提高了设备的稳定性。

## 适用范围:

- 1. 汽车、摩托车等发动机、活塞、车身、车架、底盘、连杆、发动机、汽缸等零部件进行编号、名称、商标、生产日期的打印;
- 2. 电动车、自行车、摩托车等车架号打印;
- 3. 各种商品、车辆、设备产品的标牌打印;
- 4. 各种机械零部件、机床工具、五金制品、金属管、齿轮、泵体、阀门、紧固件、钢材、仪器仪表、机电设备等金属打标以及塑料制品等等。

## Introduction:

Desktop pneumatic marking machine is a model that is widely applied, the key parts in the equipment are imported high-quality parts, it greatly improved the stability of the equipment.

## Applied Field:

- 1. Automobile, motorcycle engine, piston, car body, frame, chassis, engine, connecting rod, cylinder and other parts number, name, trademarks, production date marking;
- 2. Electric bicycle, bicycle, motorcycle VIN marking;
- 3. Variety of goods, vehicles, equipment label marking;
- 4. All kinds of machinery parts, machine tools, metal products, metal pipe, gear, pump body, valve, fastener, steel products, instrumentation, electrical equipment, metal marking and plastic products and so on.

## 外形尺寸:

打标部分: 长\*宽\*高: 44cm\*38cm\*76cm

控制部分: 长\*宽\*高: 42cm\*39cm\*16cm

净重: 90\*110: 43.5kg

90\*180: 46.5kg

## Characteristics:

Outline Dimension: Marking part

L\*W\*H: 44cm\*38cm\*76cm

Control part: L\*W\*H: 42cm\*39cm\*16cm

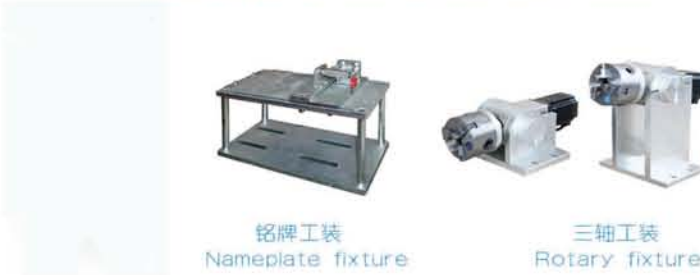
Net weight: 90\*110: 43.5kg

90\*180: 46.5kg

样品图片:  
Marking Sample Pictures:



可选配件、工装: Optional accessories, fixtures:



打印内容 Marking content	数字、字母、汉字、常用字符、各种图形 Numbers, letters, Chinese Characters, any graphics
打印区域 Marking area	90*110/90*180/90*150/30*110/30*150
打印速度 Marking speed	5—100 字符/分钟 5—100 character/min
打印深度 Marking depth	0.1—1mm(视材料性质而定) depend on the material
打印方向 Marking direction	上、下、左、右、弧度可选 Up, Down, Left, Right and Radian optional
控制方式 Control mode	人机对话自动递增流水号、自动VIN号计算与打印 Human-machine interaction automatic incremental computing serial number, VIN calculate and printing automatically
功耗 Power	≤300W
电源 Power supply	220V ± 10% 50HZ
气源 Air supply	0.3 — 0.8Mpa
字符大小间距 Character spacing	可任意调整 Adjustable
冲击频率 Impact frequency	200—400HZ
输入方式 Input mode	手工输入、条码扫描、读取网络内部数据库信息 Manual input, barcode scanning, read the internal database information network
操作系统 Operate system	WIN2000, WIN XP

# PORTABLE/HANDHELD PNEUMATIC MARK MACHINE/便携式 手持式气动打标机

PBA-P9015(T) / PBA-H3011 (T)

## 特点应用:

- 1. 此设备专门为汽车(挂车)大梁、挂车铭牌打标设计。
- 2. 此款设备技术最为成熟,质量稳定。
- 3. 对于打印大型工件的厂家,此款设备既廉价又灵活,是您提高产品档次的首选设备。

## 外形尺寸:

打标部分: 长\*宽\*高: 30cm\*20cm\*26cm

控制部分: 长\*宽\*高: 42cm\*39cm\*16cm

净重: 44.5kg

## Features:

- 1. This device is specifically designed for vehicles (trailers) beams, trailer nameplate marking.
- 2. The technology of this machine is the most mature machine, and the quality is stable.
- 3. For marking large parts of the manufacturers, this machine cheap and flexible, is the device of choice to improve your product quality.

## Shape dimension:

Marking Part (L\*W\*H): 30cm\*20cm\*26cm

Control Part (L\*W\*H): 42cm\*39cm\*16cm

Net Weight: 44.5kg



标记范围: 90\*150mm (Marking Range: 90\*150mm)

# HANDHELD PNEUMATIC MARKING MACHINE 手持式气动打标机

## 特点应用:

- 1. 手持式系列设计体积小,重量轻,可移动打印。
- 2. 适合对大设备、重工件的现场手持打印,比如大型管材、阀门、车架等不便移动的工作。

## 外形尺寸:

打标部分: 长\*宽\*高: 23cm\*24cm\*30cm

控制部分: 长\*宽\*高: 42cm\*39cm\*16cm

净重: 12kg

## Features:

- 1. Handheld series design, small size, light weight, mobile printing.
- 2. Suitable for handled workpieces at site such as large pipes, valves, car frames and other workpieces that are not easy to move.

## Shape dimension:

Marking Part (L\*W\*H): 23cm\*24cm\*30cm

Control Part (L\*W\*H): 42cm\*39cm\*16cm

Net Weight: 12kg

样品图片:  
Marking Sample Pictures:



小轿车车架号 (Car chassis number)

挂车车架号 (Trailer chassis number)

小轿车车架号 (Car chassis number)