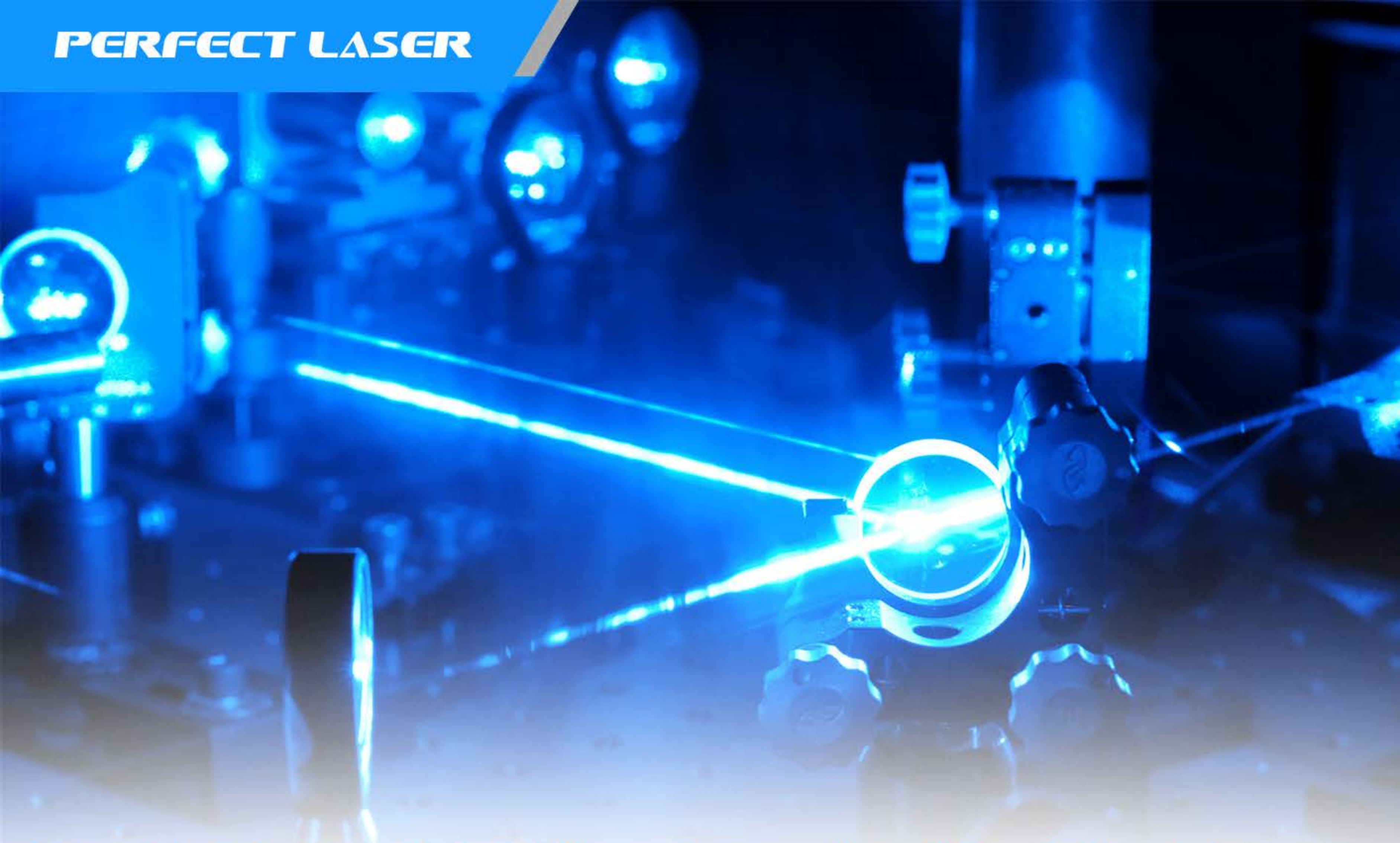


PERFECT LASER



20w Tabletop Mini Fiber Laser Marking Machine
Model:PEDB-100A



PRODUCT VIDEO

Scan Code to
Watch Proofing Video



(PC & Monitor is an optional
item, not include in the price)



Customer-orientated

Wish to provide benefit to agents and customers

Free pre-sales consulting, free sample service

Life-long service

Engineer overseas installation available

2-12 hours quick feedback & after-sales service

10000+ customers choice

Perfect Laser wish to be your reliable business partner



Small and
Compact



360° Degree
Rotating Column



8000mm/s
Fast Marking
Speed



Cost-effective,
Free of
Maintenance

Perfect Laser PEDB-100A mini fiber laser marking machine is a high-end intelligent product. Its emergence is revolutionary for the integration of fast-speed, high-resolution laser marking systems.

The PEDB-100A integrates four core components such as fiber laser source, 8mm fast-speed laser galvanometer scanning head, laser power supply and genuine laser marking system.

It realizes the integration of multi-card into one control card and multi-source laser power supply into a single source laser power supply.

It is a small-volume, lightweight, fast-speed, high-flexibility, cost-effective mini fiber laser marking machine.

Stainless steel



Plastic



Aluminium alloy



Kirsite



- Beautiful appearance, compact structure, small floor space.
- The laser peak power is high, laser light pulse is thin, the repetition frequency range is wide.
- Low power consumption and high usability.
- It is easy to operate with high reliability and long service life.
- No consumables or wearing parts, free of maintenance.
- It will not cause shadows and virtual breaks when processing special materials.
- The column can be rotated 360° degree to facilitate multi-angle marking of objects that are not easy to move.



Focus Lens



Fiber Laser Source



Exhausting Hole



Lifting Handle

This PEDB-100A mini fiber laser marking machine is widely suitable for marking all kinds of metal materials and some non-metallic materials such as PVC, etc.

It is widely applied in hardware products, tool accessories, precision instruments, glasses and watches, jewelry, auto parts, plastic buttons, electronic components, mobile communication, PVC pipe, sanitary ware and other industries.

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Fiber Laser Source with Germany Technology

A wide selectivity of operating wavelengths, ultra-low amplitude noise, high stability and ultra-long lifetime.

Digital Laser Scanning Head

Fast response ability < 0.7ms, can realize fast speed marking and high precision.

Focus Lens

The 110x110mm focus lens makes the focusing beam smaller and the marking more precise.





360 Degree Rotary Base

360°degree Rotating Column

The column can be rotated 360°degree to facilitate multi-angle marking of objects that are not easy to move.

Rotation method: Loosen the screw at the bottom of the column, rotate the column to the desired angle, then tighten the screw.



Horizontal and Vertical Adjustment

The lifting range is 0-300mm. Suitable for marking work-pieces with different height.

The optical bridge displacement stroke is 110mm.



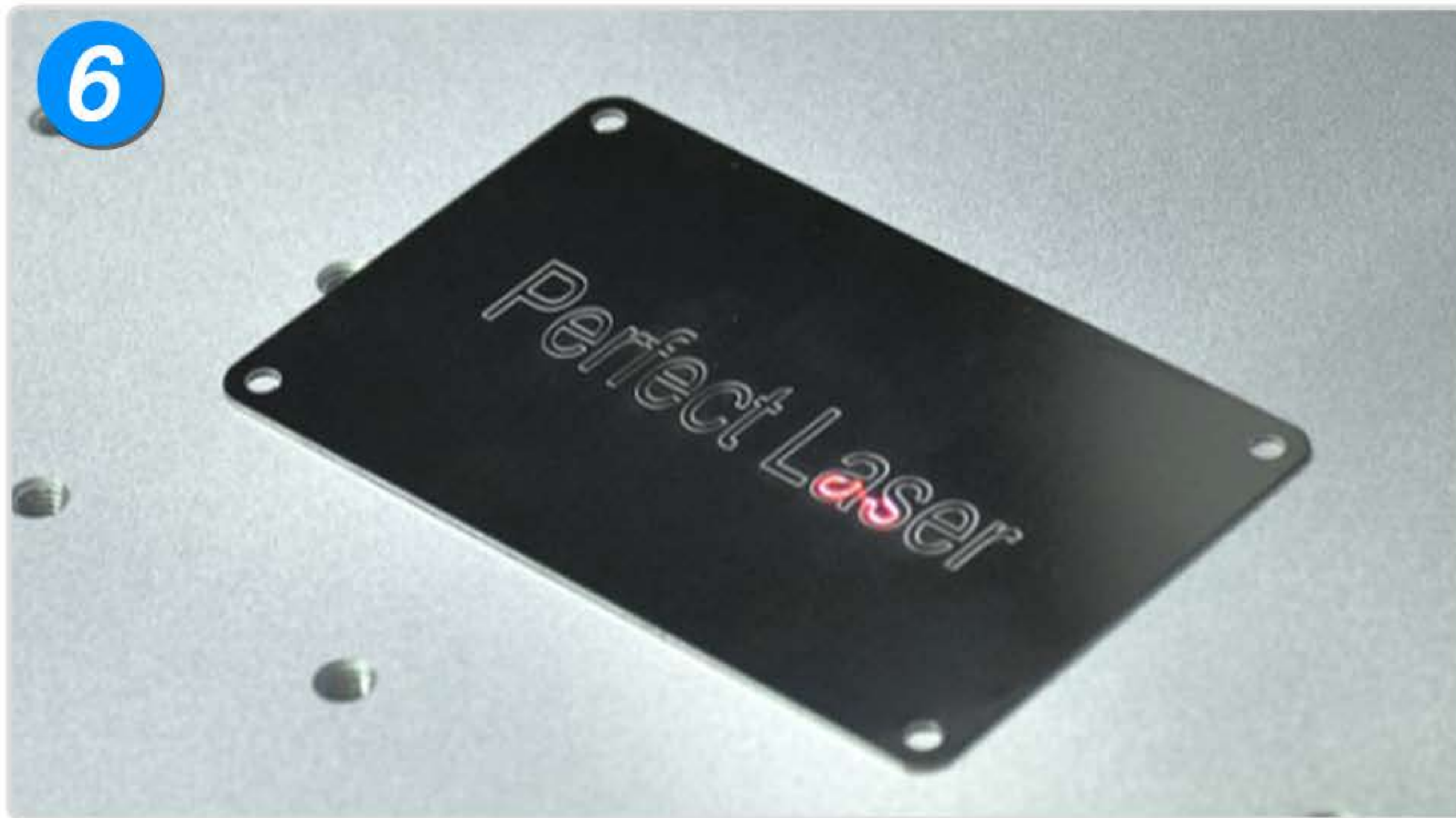
Lifting System

Lifting handle can adjust the distance between the laser marking head and the marking objects.



Red Light Pointer

Lifting handle can adjust the distance between the laser marking head and the marking objects.



Main Switch

It is designed as a easy button, safe and efficient.

Key Switch

Using key switch to control the main power of the machine.



Whole Machine

No consumables, free of maintenance, can be used for more than 10 years.

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Model	PEDB-100A Mini Fiber Laser Marking Machine	
Laser Type	Fiber Laser	
Fiber Laser Source Brand	Max (Chinese Top Brand Laser Source)	
Laser Power	20w	
Laser Wavelength	1064 nm	
Beam Quality	M2<1.4	
Modulation Frequency	<i>PERFECT LASER</i>	30-60 khz
Carving Line Speed	0-8000 mm/s	
Marking Speed	600-1000 Character / min	
Focus mode	Manual / Auto	
Minimum Line Width	<i>PERFECT LASER</i>	0.02 mm
Minimum Character	0.15 mm	
Marking Area	110×110mm(Standard) / 70×70mm(Optional)	

Repeatability	±0.002 mm
Cooling Method	Air Cooling
Use environment	Clean or less dust
Working Temperature	10-35 °C
Machine Power	≤ 160 W
Voltage	AC220V±10%, 50 HZ
Working Desk Size	<i>PERFECT LASER</i> 270×210mm
Column Lifting Range	0-300mm
Column Rotation Angle	360° degree rotate
Light Bridge Displacement Stroke	110mm
Operating Temperature	0°C ~ 60°C <i>PERFECT LASER</i>
Storage Temperature	-40°C ~ 85°C
Humidity	5% ~ 95% relative humidity, no condensation
Guarantee	2 Years Guarantee for Fiber Laser Source and Laser Marking Machine



48 Hours Running Test



72 Hours Aging Test



Q1: Are you a factory or a trade company?

A1: We are a factory.

Q2: Where is your factory located? How can I visit there?

A2: Our factory is located in Wuhan, Hubei province, China.

All our clients are warmly welcome to visit us!

Q3: Do you have any certificates?

A3: All series of machines have passed CE certification.

Q4: What is the trade term?

A4: FOB/CIF/CFR/EXW are favorable.

Q5: What is the payment term?

A5: T/T.

Q6: Do you arrange shipment for the machines?

A6: Yes, We can arrange shipment based on FOB/CIF terms.

For EXW price, shipment should be arranged by your shipping agents.

Q7: Warranty?

A7: 2 years guarantee.

Q8: How is the packing?

A8: All the packing comply with exporting standard.

Q9: How long is the lead time?

A9: 3-5 working days.

For other questions,we will reply you ASAP after receiving your consult!