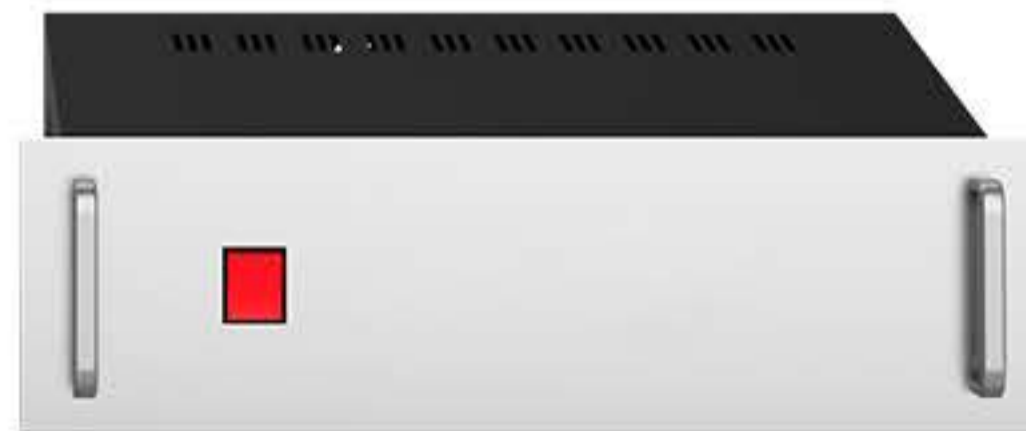


# Industrial Dot Peen Marking Machine

**(Model: PEQD-100)**



- \* Permanently Marking
- \* Marking Expert For You

**P**erfect Laser's Industrial Dot Peen Marking Machine (Model: PEQD-100) is suitable for Flat Marking.

It is a industrial marking equipment which can mark logo (characters, letters, VIN code, serial numbers, date and graph) on work piece (metal or no-metal materials) permanently.

## Applicable Material

It is adequate for marking characters, letters, serials numbers and VIN codes on bodywork of motorcycles, connecting rods, engines, steel pipe, cylinder and cylinder various stepper motors and mechanical parts, machine tools, metal pipes, pump bodies, valves, fastening pieces and various hard plastic products.



## Application

It is applicable for the fields of automobile, motorcycle, mechanism, petroleum, aeronautical and space electric apparatus and suitable for markings on steel, metal, nonmetal and plastic materials.

- 1 It enables flat surface marking
- 2 Applying the most widely used up-down lifting structure to realize multi-functions.
- 3 Controlled by computer, with the easy-to-operate WINDOWS system, Perfect Laser's professional marking software has a wide application and can operate under WINDOWS XP.
- 4 Powerful edit function. It can mark any logo (character, letter and graph, data code, series number, VIN code, engine numbers) automatically.
- 5 It can support logos and graphs designed in DXF format from AutoCAD, CorelDraw.
- 6 It can support multi-kinds font: MG Font, SHX Font in Auto CAD, CHR in Borland, and TTF in Windows.
- 7 Marking contents could be saved automatically and not be destroyed during power-off of the machine.



**Machine Description**

**Model**

**Machine Type**

**Rotary Function**

**Standard Marking Area:**

**Optional Marking Area:**

**Marking Depth:**

**Marking Speed:**

**Lifting Range:**

**Marking Accuracy:**

**Pin Hardness:**

**Power Supply:**

**Air Pressure:**

**Machine Power:**

**Working Environment:**

**Whole Machine Weight:**

**Dot Peen Marking Machine**

**PEQD-100**

**PEQD-025**

**PEQD-030**

**Flat Marking**

**Flat + Rotary Marking**

**Portable type**

**No**

**Yes**

**No**

**150mm×100mm**

**300mm×200mm / 400mm×300mm / 200mm×100mm**

**0.01~2mm**

**≤50mm/s (for characters height of 3mm/3-4 numbers/second)**

PERFECT LASER

**0-300 mm**

**0.01 mm**

**HRA92**

**220V±10%, 50HZ**

**0.2-0.6 Mpa**

**≤400 W**

**-5~40 °C**

**50 Kgs**

**60 Kgs**

**45 Kgs**



**PERFECT LASER**

# Marking Head

**Moves on the Imported Linear Guild Rail  
Can Automatically Lubricate  
Air-Proof, Dust-Proof**

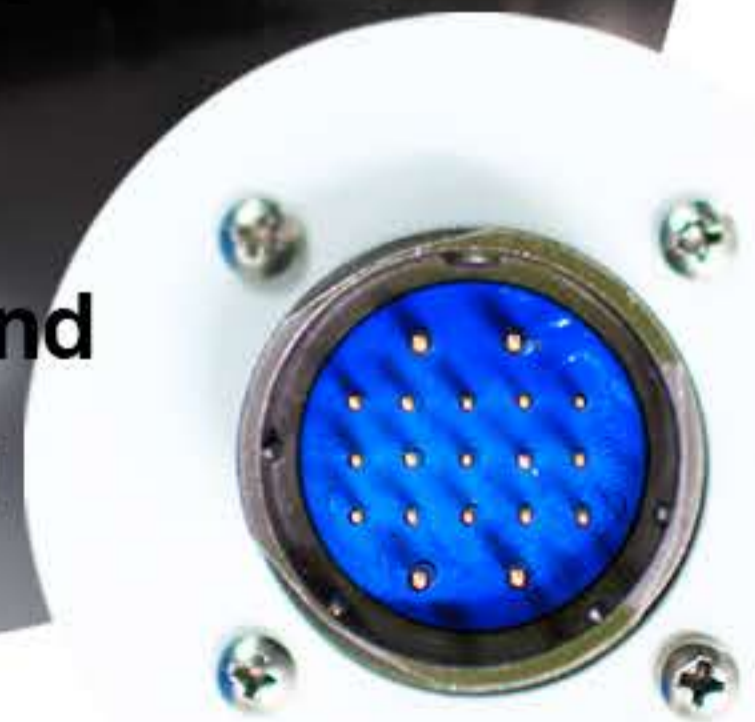


**PERFECT LASER**

# Core

## Aviation Plug

Good Performance and  
Durability Safe Using



## Control Box

Integration Design  
Small Size  
Simplify Structure



**Marking**

Pin head

**PERFECT LASER**

Made by Imported Hard Alloy, by Particular Technology, The Rigidity is can Reach 92 HRA.



**PERFECT LASER**

**Exhaust**

Fan

Special Design to Exhaust the Heat Inside of Machine Ensure Machine Long Term Working





# Stepper Motor

**PERFECT LASER**

High Stable Performance,  
High Precision

# Stepper Driver

**Driver**

Low Noise, High Frequency  
Little Vibration,  
Low Temperature Rise

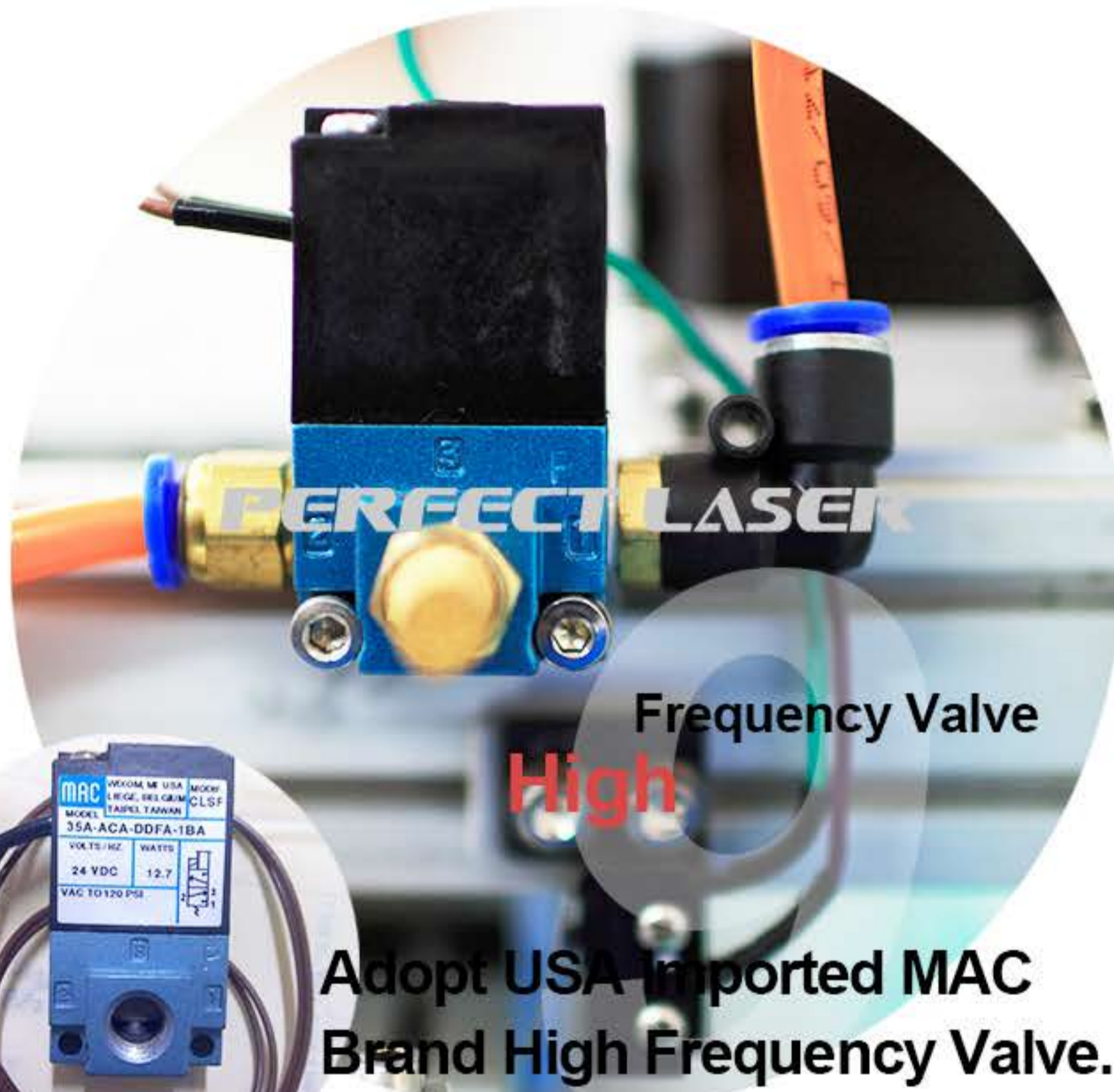
**PERFECT LASER**

2.2A	off
1.9A	on
1.6A	off
1.3A	on
1.0A	off
0.7A	on
0.5A	off
Default	on
Pre-Current	off
Pre-Current Time	0.1s
SW4: off-Hall Current	on
SW4: Full Current	on
Tuning: Sw4 change	1sec



# **Linear Guide Rail**

- Automatic Lubrication**
- Low Running Noise**
- Running Smoothly**
- Easy Maintenance**
- High Reliability**



Frequency Valve

**High**

Adopt USA Imported MAC Brand High Frequency Valve. Using Time can Reach 0.1-0.2 Billion Times.



**Reducing Value**

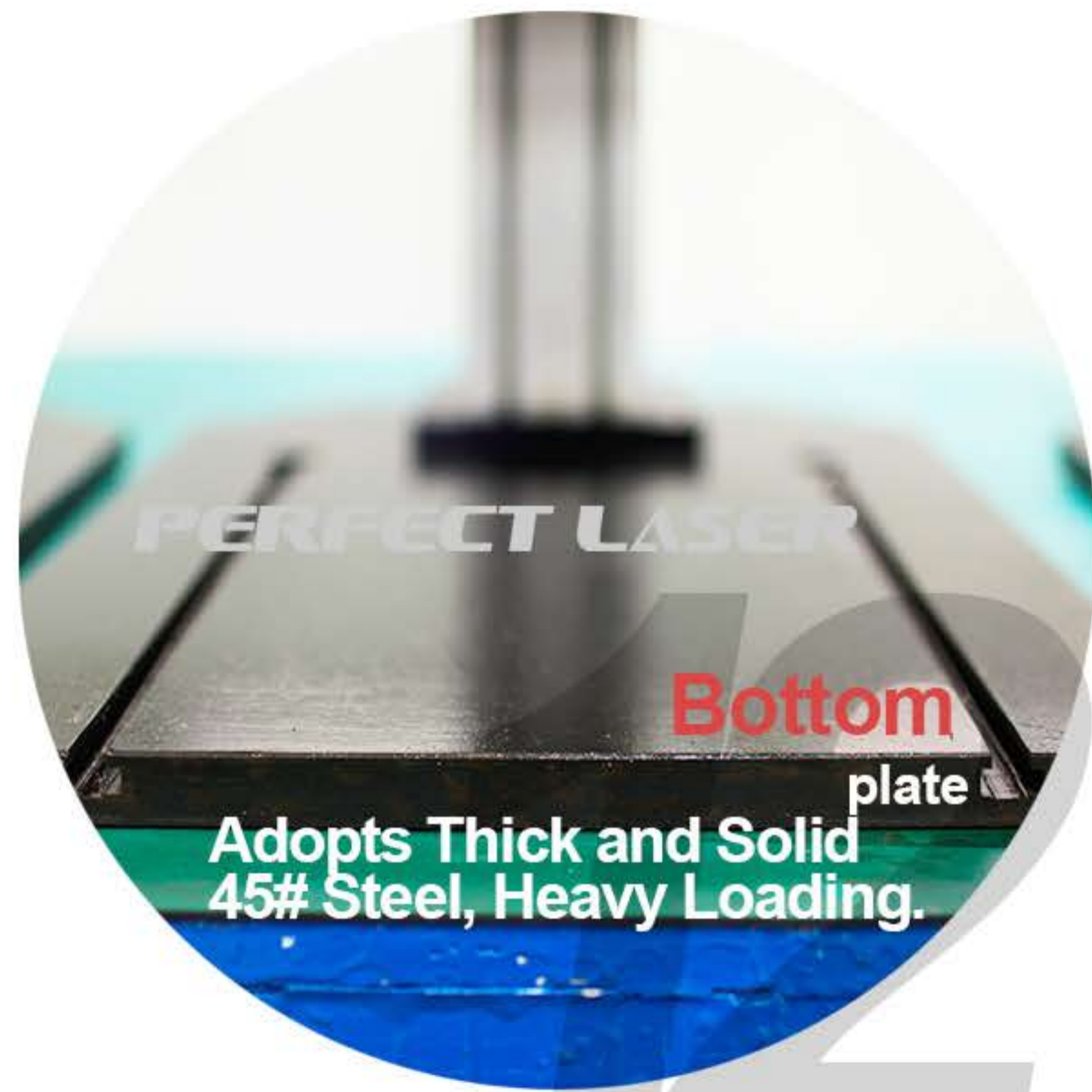
Control the Pressure of Machine, Make Sure Its' Long Term Working.



**Gas**

**Pressure Meter**

**Control the Pressure,  
Ensure Higher Precision.**



**Bottom  
plate**

**Adopts Thick and Solid  
45# Steel, Heavy Loading.**



# 1

## Lifting

### Handle

Easy Adjusting the Height of Marking Head Operated Easily, Energy Saving The Adjustable Height can Reach to 305mm.



**PERFECT LASER**

# 2

## Marking

### Head Cover

Compact Structure, Beautiful  
Dust-Proof, Water-Proof



**PERFECT LASER**



## **Marking Pin head**

**The Marking Pin/ Needle Adopt Imported Hard Alloy,  
and is Made up by Precision Mould  
and Molding for Once.**

**The Rigidity of Marking Needle can Reach-92HRA.**



**1**▲ Rotary Fixture for Marking on Cylinder Parts

▲ Rotary Marking Sample

## ▼ Nameplate Fixture



## ▼ Nameplate Marking Sample



Special design for fix the nameplate when marking, to avoid its shacking during marking, to make the marking more stable.





**PEQD-100**  
**Flat Marking**



**PEQD-025**  
**Flat + Rotary Marking**



**PEQD-030**  
**Portable Type**

## How To Choose Your Suitable Model?

**We have 5 types dot peen marking machine:**

- **Planar Marking Type**
- **Rotary Marking Type**
- **Portable Marking Type**
- **LCD Control Type**
- **Multi-functional type**

Models	PEQD-100 / PEQD-100E	PEQD-025 / PEQD-025E	PEQD-030 / PEQD-030E
Types	Planar Marking Type	Rotary Marking Type	Portable Marking Type
Applications	<p>Suitable for flat surface marking logos, characters, letters, serial numbers and VIN codes on various kinds of metals such as steel, stainless steel, iron, copper, aluminum, alloys, etc., and hard non-metal labels &amp; accessories.</p> <p>Widely used in the fields of automobile, motorcycle, mechanism, petroleum, aeronautical and space, electric apparatus and suitable for markings on steel, metal, nonmetal and hard plastic materials.</p>	<p>Adequate for both flat surface marking and rotary marking on various kinds of metals such as steel, stainless steel, iron, copper, aluminum, alloys, etc., and hard non-metal labels &amp; accessories. Due to the rotary marking function, these models are widely used for marking characters, letters, serial numbers and VIN codes on bodywork of motorcycles, connecting rods, engines, steel pipe, cylinder and cylinder various stepper motors and mechanical parts, etc.</p>	<p>Especially for marking on large-sized and unmovable metal items, and some hard nonmetallic work pieces, also can work with pipelining.</p> <p>Due to its small size and portable type, this model is widely used for marking characters, serials numbers and VIN codes on automobile or bodywork of car frames, automotive chassis, connecting rods, petrol pipe, crossbeam, mechanical parts, machine tools, metal pipes, pump bodies, fastening pieces, etc.</p>

- \* 12 Months Guarantee
- \* 5-7 Working Days Lead Time
- \* VCD Training , Easy Installation
- \* 12 Hours Response
- \* TT/Western Union / Paypal / Ali Trade Assurance Payment
- \* Sea Shipping

**Packing** 

<b>Model</b>	<b>L*W*H</b>	<b>Volume</b>	<b>Weight</b>
PEQD-100	47*50*83cm	0.21CBM	50Kgs