



DOT PIN PNEUMATIC MARKING MACHINE
MODEL:KT-PD01

Application:

Material : Aluminum, Iron , Copper, Stainless Steel, Coated or plated material, Nylon, ABS, Poly carbonate, PVC, Most Metallic materials mark well.

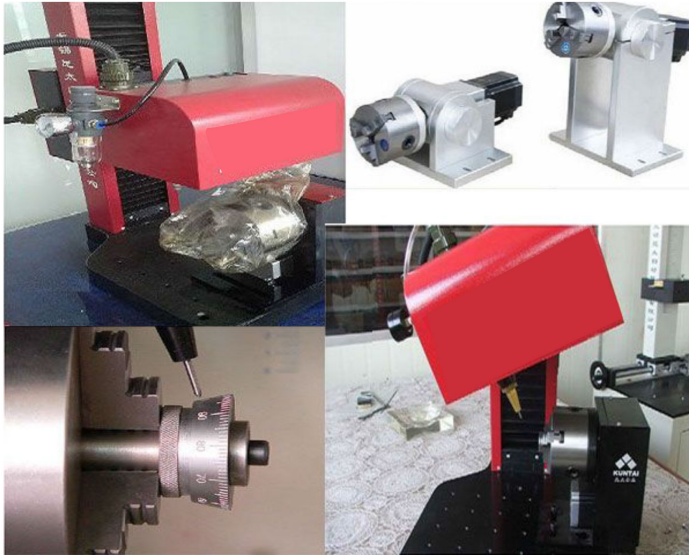
Application Industry : Automobile or bodywork of motorcycle, car frame, automotive chassis, engine, and mechanical part, machine tool, metal pipe, gear, pump body, valve, various hardness plastic products

Machine characteristics:

- 1.Working table is precision die casting,
- 2.High quality motor driver
3. Imported straight line guide rail,
- 4.High-precision stepping motor,
- 5.Adopt the imported tungsten alloy print pin, stable and long life.
- 6.Advanced USB interface control technology
- 7.High performance industrial motherboard, the needle work automatically.
- 8.Effective anti-jamming, radiation-resistant, adaptable for harsh environment.
9. Rigid column, high accuracy, Low running costs and virtually no consumable costs. Production

Technical specification :

Marking speed	30~40mm/s
Marking depth	0.01~2mm (depends on the different materials)
Marking contents	characters, alphanumeric, date, numbers, serial NO,VIN code etc.
Marking area (mm)	150mm x 130mm
Up and down lifting height	0—300mm
Materials request	below HRC60 metallic and nonmetallic materials (above HRC60 need special stylus)
Whole machine power	125W
Work power	AC100~240V±10%50Hz/60HZ
Inputting air pressure	0.3—0.6MPa



**DOT PIN PNEUMATIC MARKING MACHINE WITH ROTARY DEVICE
MODEL:KT-PD01-R**

Application:

This sort of dot peen pin marking machine to be used in Automotive, Electrical& Electronics, Mechanical, Metallurgy, Lock&Keys, Medical, Motorcycle, Nuclear, Oil & Gas products or assemblies. Any products related to these fields could be marked efficiently and conveniently by our marking engraving machine.

Machine characteristics:

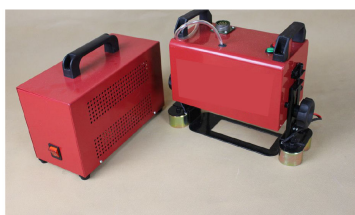
- 1.Easy to operate
- 2.stable motor driver
3. Imported high precision straight line guide rail,
- 4.High-precision stepping motor.
- 5.Adopt the imported tungsten alloy print pin, stable and long life.
- 6.Advanced USB interface control technology
- 7.High performance industrial motherboard, the needle work automatically.
- 8.Effective anti-jamming, radiation-resistant, adaptable for harsh environment.
9. Rigid column, high accuracy, Low running costs and virtually no consumable costs.

Technical Specification

Marking speed	30~40mm/s
Marking depth	0.01~2mm (depends on the different materials)
Marking contents	characters, alphanumeric, date, numbers, serial NO,VIN code etc.
Marking area (mm)	125mmx85mm/150mm x 130mm/200mm x150mm/300mm x 200mm(customized support)
Up and down lifting height	0—300mm
Materials request	below HRC60 metallic and nonmetallic materials (above HRC60 need special stylus)
Whole machine power	200W
Work power	AC220V±10%50Hz
Inputting air pressure	0.3—0.6MPa
Fixture weight bear	Within 5kg
Interface	USB



150x50mm marking area



120x40mm marking area



50x25mm marking area

HANDHELD PORTABLE DOT PIN PNEUMATIC MARKING MACHINE MODEL:KT-PH01

Application

It is applicable for the fields of automobile, motorcycle, mechanism, petroleum, aeronautical and space, electric apparatus, steel, metal, non-metal and hard plastic materials.

It also for marking logos, characters, serial numbers and VIN codes on bodywork of motorcycles, nameplates, connecting rods, engines, mechanical parts, machine tools, metal pipe, gear, pump, valve, fastening pieces and various hard plastic products.

Machine characteristics:

- 1.Mobile:** Lightweight& ergonomic hand held marking machine allowing the marker to be taken to the part, especially useful when marking very large and heavy parts.
- 2.Versatile:**Wide range of application: its multiple purpose tooling allows horizontal or vertical marking. Moreover, customized tooling can easily be designed and fitted to the DBG handheld markers to adapt all your components and parts.
- 3.Low maintenance:** Adopt the imported tungsten alloy print pin, stable and long life.
- 4.Low cost:** Compared traditional marking technologies, the KT handheld markers requires no additional consumables. Therefore it is the most effective and productive marking system to run.
- 5.User-Friendly:** The marking software is very easy to program and adapt to your marking requirements,suitable for windows. Its simplicity allows many operators to use the equipment without in-depth training.
- 6.Sturdy:** The machines must be well protected against dampness, moisture, rust, and be able to standshock and rough handing
- 7.Good performance:**Advanced guide rail keep accuracy,hardness of marking Stylus is up to HRC60

Technical specification

Marking speed	30~40mm/s
Marking depth	0.01~2mm (depends on the different materials)
Marking contents	characters, alphanumeric, date, numbers, serial NO,VIN code and so on
Marking area (mm)	120mmx40mm/80mm x40mm/50mm x 25mm(customized support)
Temperature	From 0 to 40 °C
Materials request	below HRC60 metallic and nonmetallic materials (above HRC60 need special stylus)
Repeated Accuracy	0.1mm
power consumption	250W
Work power	AC100V~240V ±10% 50HZ/60HZ
Inputting air pressure	0.2—0.6MPa



Cnc 50x25mm marking area

cnc 120x40mm marking area

CNC HANDHELD PORTABLE DOT PIN PNEUMATIC MARKING MACHINE MODEL:KT-PB01

Application

It is applicable for the fields of automobile, motorcycle, mechanism, petroleum, aeronautical and space, electric apparatus, steel, metal, non-metal and hard plastic materials.

It also for marking logos, characters, serials numbers and VIN codes on bodywork of motorcycles, nameplates, connecting rods, engines, mechanical parts, machine tools, metal pipe, gear, pump, valve, fastening pieces and various hard plastic products.

Machine characteristics:

- 1.Mobile:** Lightweight& ergonomic hand held marking machine allowing the marker to be taken to the part, especially useful when marking very large and heavy parts.
- 2.Versatile:**Wide range of application: its multiple purpose tooling allows horizontal or vertical marking. Moreover, customized tooling can easily be designed and fitted to the KT handheld markers to adapt all your components and parts.
- 3.Low maintenance:** Adopt the imported tungsten alloy print pin, stable and long life.
- 4.Low cost:** Compared traditional marking technologies, the KT handheld markers requires no additional consumables. Therefore it is the most effective and productive marking system to run.
- 5.User-Friendly:** The marking software is very easy to program and adapt to your marking requirements,suitable for windows. Its simplicity allows many operators to use the equipment without in-depth training.
- 6.Sturdy:** The machines must be well protected against dampness, moisture, rust, and be able to stand shock and rough handling
- 7.Good performance:**Advanced guide rail keep accuracy,hardness of marking Stylus is up to HRC60

Technical Specification

Marking speed	30~40mm/s
Marking depth	0.01~2mm (depends on the different materials)
Marking contents	characters, alphanumeric, date, numbers, serial NO,VIN code and so on
Marking area (mm)	120mm x 40mm/80mm x 40mm/50mm x 25mm
Temperature	From 0 to 40 °C
Materials request	below HRC60 metallic and nonmetallic materials (above HRC60 need special stylus)
Work power	AC220V 50HZ or AC110V 60HZ
Inputting air pressure	0.3—0.6MPa



CNC BENCHTOP DOT PIN PNEUMATIC MARKING MACHINE WITH TOUCH SCREEN
MODEL:KT-PS01

Application

The scribe marking range uses a pneumatically tungsten alloy pin to create a dot peen or continuous line mark by scribing the mark into the material. The process is high speed, virtually silent and creates a high quality mark on a wide range of materials. The tungsten alloy tip is ideally suited to marking small to medium characters.

This sort of marking machine to be used in Automotive, Electrical & Electronics, Mechanical, Metallurgy, Lock & Keys, Medical, Motorcycle, Nuclear, Oil & Gas products or assemblies. Any products related to these fields could be marked efficiently and conveniently by our marking engraving machine.

Machine characteristics:

1. Integrated machine, no need PC any more, easy to use and maintenance.
2. Pneumatic scribing system generating high quality continuous style marks on materials ranging from plastics to hardened steel.
3. Extreme low noise and easy to operate.
4. Large marking envelope up to 300x200mm.
5. Stable tungsten alloy mark pin and advanced line guide rail keep highest marking quality.
6. Low running costs and virtually no consumable costs.
7. Advanced USB interface control technology.
8. Simple to use menu system software, On-screen mark preview, support "dot" or "line" marking optional.
9. High precision stepping motor, keep high speed marking.

Technical specification:

Hitting frequency	300HZ
Marking speed	30~40mm/s
Marking depth	0.01~2mm (depends on the different materials)
Marking contents	characters, alphanumeric, date, numbers, serial NO, VIN code etc.
Marking area (mm)	120mmx80mm (50mm x 130mm/200mm x 150mm/300mm x 200mm)
Up and down lifting height	0~300mm
Materials request	below HRC60 metallic and nonmetallic materials (above HRC60 need special stylus)
Whole machine power	250W
Work power	AC100V~240V±10% 50Hz/60HZ 10A/15A
Inputting air pressure	0.3—0.6MPa
Pinhead hardness	HRC60
Working temperature	0~40 °c



PORTABLE FIBER LASER MARKING MACHINE
MODEL:KT-LF-P
LASER POWER OPTION:10W,15W,20W,30W,50W

Application

Any metal and nonmetal materials,flexible paper label,industrial plastic, rubbers, powder-coating andelectroplate materials and so on.

Machine characteristics:

1. Able to mark all metal materials and some non-metallic materials
2. Adopting Germany IPG Fiber Laser Source. high precision,stable,long life
3. Able to mark a minimum line width of 0.02mm, minimum height of 0.2mm for English characters and depth of up to 1mm.
4. The fiber laser machine is currently the best choice for industries seeking deep and fine marking at a fast speed ,especially for small high precision marking.
5. Ergonomically designed. Can be placed on desktop, taking up a small working space.
6. Low power consumption of 500W. Highly recommended for factories and retail space.
7. WINDOWS based marking software. Able to read CORELDRAW, AUTOCAD, PHOTOSHOP and other commonly used graphic files, such as AI, PLT, DXF, BMP, JPEG. Support for auto-coding, serial number, batch number, date, bar code and two-dimensional codes.
8. Can add rotary device for circle and round surface marking.

Specification

Fiber laser marking machine	
Item no	KT-LF-P
Laser option	10W,15W,20W,30W,50W
Max marking speed	9000mm/s
Laser wavelength	1064nm
Beam quality(m2)	<1.8 square metres
Laser Q-switched frequency	20kHz~200kHz
Standard marking area	110mm×110mm
Optional marking area	70mm×70mm/150mm×150mm
Marking depth	≤2mm
Whole machine power	500W
Min line width	0.01mm
repeatabilityprecision	±0.0001mm
Power supply	AC 220V/50Hz/60HZ 10A
Cooling system	Air cooling



DESKTOP FIBER LASER MARKING MACHINE
MODEL:KT-LF-D
LASER POWER OPTION:10W,15W,20W,30W,50W

Application

Any metal and nonmetal materials, flexible paper label, industrial plastic, rubbers, powder-coating and electroplate materials and so on.

Machine characteristics:

1. All in one structure with manual focusing system and user-friendly operation.
2. Laser beam quality is much better than the traditional laser marking machine.
3. High electricity laser exchange ratio, gross electricity consumption is less than 800W, which is 1/10 of the YAG's consumption.
4. Free maintenance, long working life, low consumption suitable for any working environment.
5. Fast marking speed, 2-3 times faster than the traditional marking machine
6. The marking software supports files such as Coreldraw, AutoCAD, Photoshop and PLT, PCX, DXF, BMP; SHX or TTF can be directly adopted; the functions such as autocoding for sequence No., batch number, date, barcode and so on.
7. Portable machine. small size, light weight
8. Suitable for markings, engravings, and cuttings in vast majority of nonmetallic materials
9. Humanizing operating process and good stability of equipment operating
10. Equipment comprehensive performance is stable and has 24 hours of continuous working ability

Specification

Fiber laser marking machine	
Item no	KT-LF-D
Laser output	10W, 15W, 20W, 30W, 50W
Max marking speed	9000mm/s
Laser wavelength	1064nm
Beam quality(m2)	<1.4 square metres
Laser Q-switched frequency	20kHz~200kHz
Standard marking area	110mm×110mm
Optional marking area	70mm×70mm/150mm×150mm/200mm×200mm
Marking depth	≤2mm
Whole machine power	800W
Min line width	0.01mm
repeatability precision	±0.0001mm
Power supply	AC 220V/50Hz/60HZ 10A
Cooling system	Air cooling



YAG LASER MARKING MACHINE
MODEL:KT-LY
LASER POWER OPTION:50W.75W

Application :

This machine can for metal and some compact non-metal marking.

Machine characteristics:

- 1.Low power consumption, cost effective and long life, free maintenance.
- 2.High quality laser beam mode, high lightning conversion efficiency.
- 3.Adopting quality diode as laser light source, particularly suitable for long time operation.
- 4.Easy to install and operation, marking accuracy is good.
- 5.Integrated marking software with user-friendly design.
- 6.Various connection mode for optimizing to achieve automatically marking.
- 7.Versatile marking software is compatible with Coreldraw,AutoCAD,Photoshop.
- 8.Support PLT, DXF, BMP, PCX, JPG, common vector and bitmap graphics, date marking supporting, serial number, bar code, 2D code, incrementing serial No., automatic jump codes, etc.
- 9.Integrate structure, anti-seismic, impact, small size,which is 1/4 of traditional DP laser machine

Specifications:

Model	KT-LY
Laser power	50W 75W
Laser Wavelength	1064nm
Cooling System	Water cooling
Beam Quality M	<2
Laser Repetition Frequency	200HZ-50KHZ
Marking Area	100mm x 100mm (optional: 200mm x 200mm)
	70mm x 70mm
Marking Depth	≤0.3mm
	The depth is adjustable according to different materials.
Marking Speed	0-7000mm/s
Min. Line Width	0.025mm
Min. characters	0.3mm
Repeatable Accuracy	±0.001mm
Power consumption	≤2KW
Electricity Source	220V/50Hz 15A



CO2 LASER MARKING MACHINE WITH GLASS TUBE LASER
MODEL:KT-LC-G
LASER OPTION:40W,60W,80W,100W

Application:

A variety of nonmetal materials (leather, cloth, paper, bamboo, wood, acrylic, organic glass, resin, rubber, etc)
Widely used in bamboo wares, clothing, food&beverage fields, packaging, handicrafts, PCB, communications equipment, instrument and electronic industries

Machine characteristics:

- 1,High power motor, stable and long life.
- 2,High precision, high speed, marking clear, strong permanent
- 3,High speed working table can be lifting up and down,suitable serval size product marking.
- 4,Integrated and compact structure, aluminium alloy working table
- 5,Digital galvanometer
- 6,Versatile marking software is compatible with Coreldraw,AutoCAD,Photoshop.
- 7,Support PLT, DXF, BMP, PCX, JPG, common vector and bitmap graphics, date marking supporting, serial number, bar code, 2D code, incrementing serial No., automatic jump codes, etc.
- 8,Excellent for water cooling system.
- 9No pollution and consumption

Specification:

Marking depth	0.001~2mm(depends on your request)
laser wavelength	10.64um
laser power	40W 60W 80W 100W
using life	2000 hours (over 2000houes just change a laser tube)
mark line width	0.1mm/0.15mm/0.2mm/0.3mm
marking field	110mmx110mm/160mm x 160mm/200x200mm
marking speed	0-7000mm/s
minimum character	0.6mm
repeating orientation precision	±0.003mm
cooling style	water cooling
average power consumption	≤0.6kw
power supply	220v/50Hz 10A



CO2 laser marking machine with metal laser tube



CO2 LASER MARKING MACHINE WITH METAL LASER TUBE
MODEL:KT-LC-M
LASER POWER OPTION:10W,30W,50W,100W,150W

Application:

A variety of nonmetal materials (leather, cloth, paper, bamboo, wood, acrylic, organic glass, resin, rubber, etc)
Widely used in bamboo wares, clothing, food&beverage fields, packaging, handicrafts, PCB, communications equipment, instrument and electronic industries

Machine characteristics:

- 1,High power motor, stable and long life.
- 2,High precision, high speed, marking clear, strong permanent
- 3,High speed working table can be lifting up and down,suitable serval size product marking.
- 4,Integrated and compact structure, aluminium alloy working table
- 5,Digital galvanometer
- 6,Versatile marking software is compatible with Coreldraw,AutoCAD,Photoshop.
- 7,Support PLT, DXF, BMP, PCX, JPG, common vector and bitmap graphics, date marking supporting, serial number, bar code, 2D code, incrementing serial No., automatic jump codes, etc.
- 8,Excellent for water cooling system.
- 9No pollution and consumption

Specification:

Marking depth	0.001~2mm(depends on your request)
laser wavelength	10.64um
laser power	10W 30W 50W 100W 150W
using life	20000 hours (over 20000houes just change a laser tube)
mark line width	0.1mm/0.15mm/0.2mm/0.3mm
marking field	110mmx110mm/160mm x 160mm/200x200mm
marking speed	0-7000mm/s
minimum character	0.6mm
repeating orientation precision	±0.003mm
cooling style	water cooling
average power consumption	≤0.6kw
power supply	220v/50Hz 10A



CUSTOMIZED NON-STANDARD MARKING MACHINE CASES:

