McSYS®

Mechanical and Fluid Control Systems

McSYS®

Marking Machine

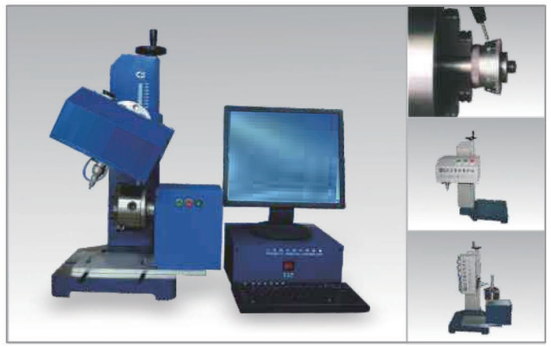
McSYS®

MAC - 1 type

Optional fixture

MAC-2 flat circular dual

Custom jig



MAC - 3 multifunctional type

Touch screen integration

Note: other special requirements can be customized when the weight or diameter of rotary engraving workpiece is larger.

◎Software functions

1. Print contents: Chinese and English characters, Arabic Numbers, common symbols, arbitrary graphics, input at will,
2. Marking method: fixed character, serial number, date, time, VIN standard, mirror image, rotation at any Angle, sector and bar code scanning and printing.
3. Adjustment of printing position: the printing content can be moved to the corresponding position quickly and accurately through the function of needle alignment.
4. The number and type of products printed on the same day can be displayed.Print content is stored automatically, data query, statistical tracing can be carried out, and the upper computer communication network (optional).

◎Techology

TECHOLOGY	MAC-1	MAC-2	MAC-3	MAC-4
The printing speed	Adjustable, 2 to 5 characters per second			
Print the hardness	Hard plastic and HRC52 below material			
Working power supply	AC220V±10% / 50Hz			
Air pressure	0.4~0.7Mpa			
Air supply requirements	Pressure ≥ 0.5mpa volume flow ≥0.1m^3/min			
Print the depth	0.05~1.0mm (depending on the material)			
Signet wide	140X80mm 200X150mm	140X80mm 200X150mm	140X80mm 200X150mm	140X80mm 200X150mm
Lift range	0~320mm	0~320mm	0~320mm	0~320mm
Circle diameter		φ5-200	φ5-300	φ5-600
Rotating weight		10kg	20kg	70kg
Models that	Imported linear guide rail solenoid valve	Rotation: two - axis rotary imprint (less than 10 kg is recommended)	Rotation: three axis rotary imprint (less than 20 kg is recommended)	Rotation: three - axis linkage printing (less than 70 kg is recommended)

Note: when you choose and buy, please explain the characteristics of the workpiece and the marking requirements, we will according to your requirements to choose the corresponding machine rotary engraving of the workpiece of greater weight or diameter, other special requirements can be customized.

MAC-4X (NEW)

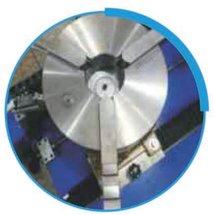
MAC-4F (O L D)

Optional tool car

Drawer type controller

Inlet solenoid valve

Linear guide



Chuck and extension jaw (optional)

Fast forward and fast return (new)

◎ Working state

◎DSA-4F Product features

The Angle of the marking head can be rotated for plane and circular marking.

◎DSA-4X Product features

Marking machine head column L - type support design, suitable for deep marking and with a large plate.
And radial quick adjustment function, easy to operate.

◎Software functions

1. Print contents: Chinese and English characters, Arabic Numbers, common symbols, arbitrary graphics, and input at will.
2. Marking method: fixed character, serial number, date, time, VIN standard, mirror image, rotation at any Angle, sector and bar code scanning and printing.
3. Adjustment of printing position: the printing content can be moved to the corresponding position quickly and accurately through the function of needle alignment.
4. The number and type of products printed on the same day can be displayed.Print content is stored automatically, data query, statistical tracing can be carried out, and the upper computer communication network (optional).

TECHOLOGY	MAC-4F	MAC-4X
Print content:	Size of Numbers, Chinese and English characters, graphic characters;adjusted	
Print the depth:	0.05~1.2mm (It depends on the material)	
Printing speed:	Adjustable, 2 to 5 characters per second	
Print the hardness:	Hard plastic and HRC52 below material	
The movement precision:	0.1mm	
Working power supply:	AC220V±10% / 50Hz	
Continuous work:	More than 24 hours	
hine power consumption:	≤1.8KW (excluding air compressor)	
Air pressure:	0.5~0.7MPa	
Working temperature:	0~40℃	
Working humidity:	Less than 90%	
Print range:	200 X 150mm	250 X 200mm
Rotating weight:	200/350/500Kg	200/350/500Kg
Lift range:	0~500mm	0~600mm
Circle diameter:	φ50~600	φ50~600

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MAC

★ Maximum rotating weight:5 tons

★ Maximum rotation diameter: 1.4 m

Add Engraving head (optional)

Digital display screen (optional)

Special fixture (optional)

Chain chute

Fast forward/backward motor

Fast forward/backward controller

Ball screw

Protective marking device

◎Summary of the equipment

The working principle is through the computer control printing needle, according to the computer edited text graphics track, at the same time the printing needle in the role of compressed air to do high-speed reciprocating impact, so as to form dot matrix characters or graphics and other permanent marks on the surface of the workpiece.Large flange, valve body and cylinder workpiece can be printed (three-axis linkage), the workpiece according to the center of rotation Angle, the print head in the motor control of the XY axis imprint, the maximum rotation Angle 360 degrees and radial adjustment, lifting adjustment, the workpiece market rotation fast adjustment function.

◎Software functions

1. Print contents: Chinese and English characters, Arabic Numbers, common symbols, arbitrary graphics, input at will,
2. Marking method: fixed character, serial number, date, time, VIN standard, mirror image, rotation at any Angle, sector and bar code scanning and printing.
3. Adjustment of printing position: the printing content can be moved to the corresponding position quickly and accurately through the function of needle alignment.
4. The number and type of products printed on the same day can be displayed.Print content is stored automatically, data query, statistical tracing can be carried out, and the upper computer communication network (optional).

◎Model significance

MAC - 5 - 3000

- MAC: Dongshu pneumatic marking machine
- 5: Extra-large torque (customized)
- 3000: Rotating weight (kg)

◎Techology

model	Scope of plan	Rotate the diameter	Rotating weight	Lifting height	Rotating disc	Equipped with chuck
MAC-5-500	280×200mm	100~600mm	500KG	800mm	600mm	800mm
MAC-5-1000	500×300mm	100~700mm	1000KG	800mm	600mm	800mm
MAC-5-1500	500×300mm	200~800mm	1500KG	1000mm	700mm	800mm
MAC-5-2000	500×300mm	200~900mm	2000KG	1000mm	800mm	800mm
MAC-5-3000	500×300mm	200~1100mm	3000KG	1200mm	1000mm	1000mm
MAC-5-4000	600×300mm	200~1200mm	4000KG	1200mm	1100mm	1000mm
MAC-5-5000	700*300mm	200~1300mm	5000KG	1300mm	1200mm	1000mm
Print the depth:	0.05~1.2mm (It depends on the material)					
Printing speed:	Adjustable, 2 to 5 characters per second					
Print the hardness:	Hard plastic and HRC52 below material					

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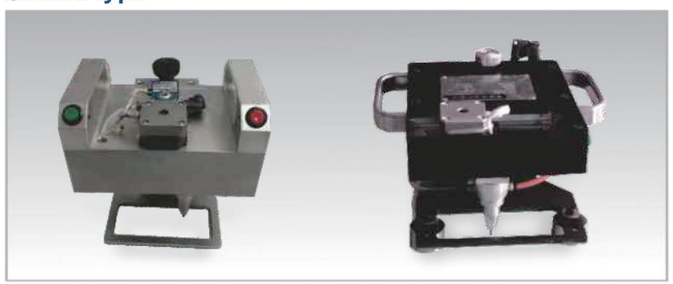
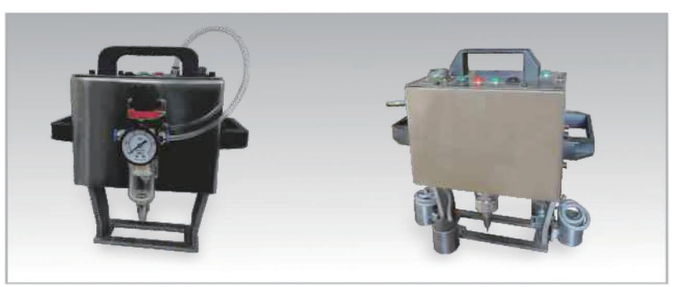
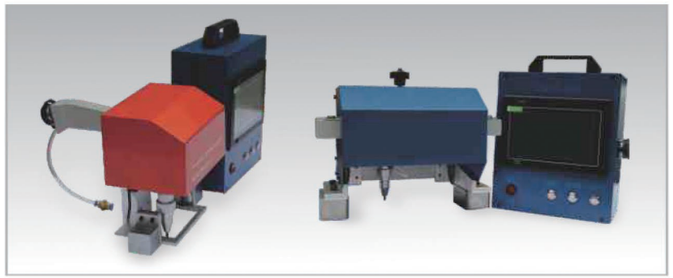
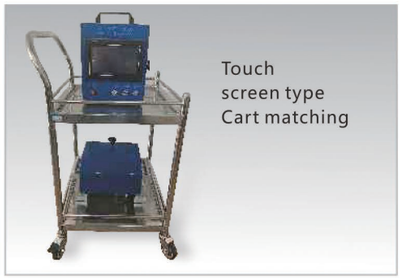
◎Head type





◎Control mode





Note: control mode can be selected for the above head.

◎ Application of the scene

◎Techology

Print content: Numbers, Chinese and English characters, graphics
Character size: arbitrary adjustment
Printing range: 100*30mm/120*30mm/140*80mm (can be customized according to customer requirements)
Printing depth: 0. 05~0. 8mm(depending on the material)
Print speed: adjustable, 2~5 characters per second
Print hardness: hard plastic and HRC52 below material
Working power supply: AC220V±10% / 50HZ
Air source pressure: 0.4 ~ 0.7 mpa
Air source requirements: pressure > 0.5mpa, volume flow ≥0.1m3/min
Printing surface: flat surface or curved surface with no more than 3mm unevenness;
Application: automobile motorcycle industry to the body, frame, chassis, girder, engine marking;And other large and heavy workpiece marking;Valve body and flange, mechanical and electrical equipment;
Main configuration: marking machine host, controller (or CNC type - body controller), driver (software CD);

◎ Function description

1, marking machine mainframe can be away from the computer and the controller (through a long cable connection), holding the marking machine on the body, chassis, beam and other large objects.
2. Print contents: Chinese and English characters, Arabic numerals, commonly used symbols, and any graphics can be input at will;
3. Marking method: fixed character, serial number, date, time, AIN standard, mirror image, arbitrary Angle rotation, sector printing.Print font optional, word height, word width, word spacing, in a certain range can be adjusted;The printing of serial number can be automatically extended by the printer;The printing of the date involved can be generated automatically by the printer.
4. Adjustment of printing position: the printing content can be moved to the corresponding position quickly and accurately through the function of pin alignment and alignment;
5. The number and types of products printed on the same day can be displayed.The printed content is stored automatically, and the data can be queried and tracked statistically.

Note: the above range of marking is standard. It can also be customized according to customer requirements