Desktop Marking Machine

Operation Manual

Please read the instruction before install and operate the equipment

Product introduction:

1, Could connect to different kind of fixture and other automatic parts.

2, Whole marking process controlled by computer, print mark beautiful and orderly in line.

3, High frequency punching and quick marking are suit for mass production.

4, Powerful marking can meet deep marking inquiry.

5, Device is running stable and safe, easy operation and maintenance.

PS: 1) Print speed for single letter depends on the size and the complexity of the font.

2) Print depth depends on the material, air pressure, and distance from tip to object.

3) Print line width depends on the angle of marking pins.

4) The dot distance on the line depends on the marking speed.

Working principle:

Input the content to computer, the computer sent signal to control system, controlling marking pins in X-Y two-dimensional plane by moving some tracks, and marking pins under the effect of compressed air to the frequency of the reciprocating motion of 200 times per second, and print out the appearance of the characters and graphics on the workpiece. The working method is tracing printing.

Product feature:

1) Marking content: Chinese & English letter, Arabic numerals, symbols, graphic and etc.

2) INTEXT, serial number, VIN, time, date and 2D code marking.

3) Database system can check marking record.

4) Hardness under HRC60 is available.

Equipment Parameter:

1) Print depth: 0.02-1mm/sec (depends on material)

2) Print speed: 3-5letter/sec (depends on letter size)

3) Print area: flat surface: 140*80mm

Curved surface：$\Phi 10-\Phi 120$

4) Power: AC220V $\pm$10%，50Hz

5) Air supply: 0.3—0.7Mpa

6) Gas consumption: 3L/S

7) Power Rate: 300W

8) Temperature: 1—40℃

9) Humidity: <90％
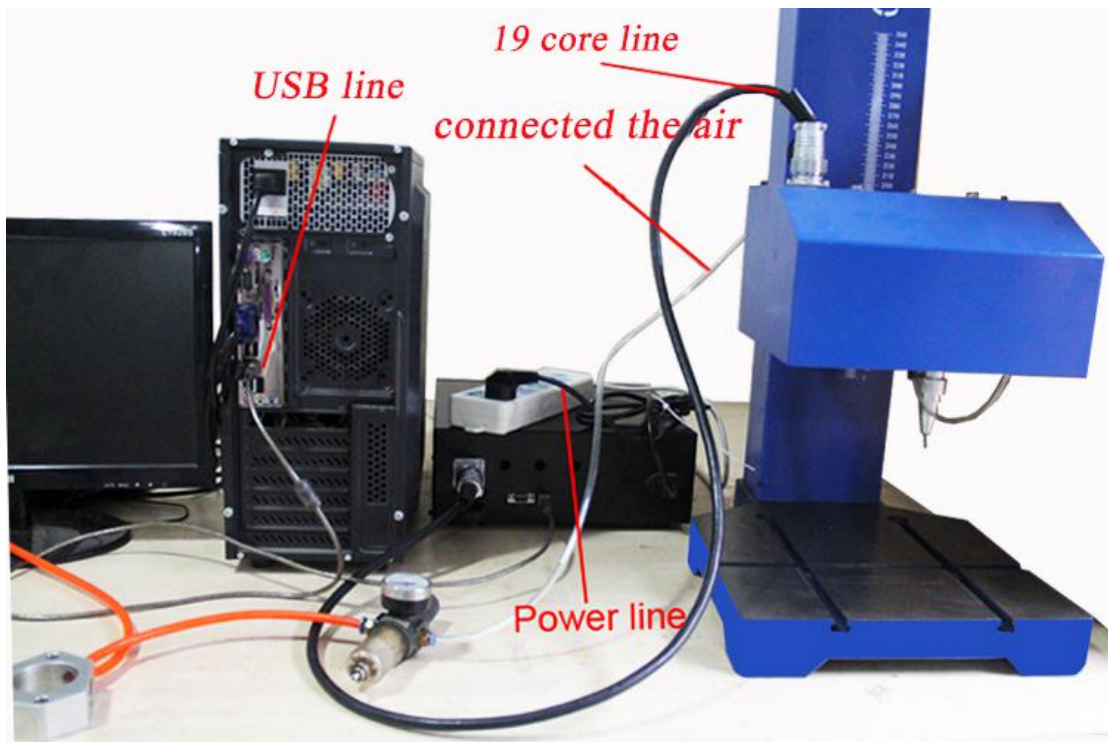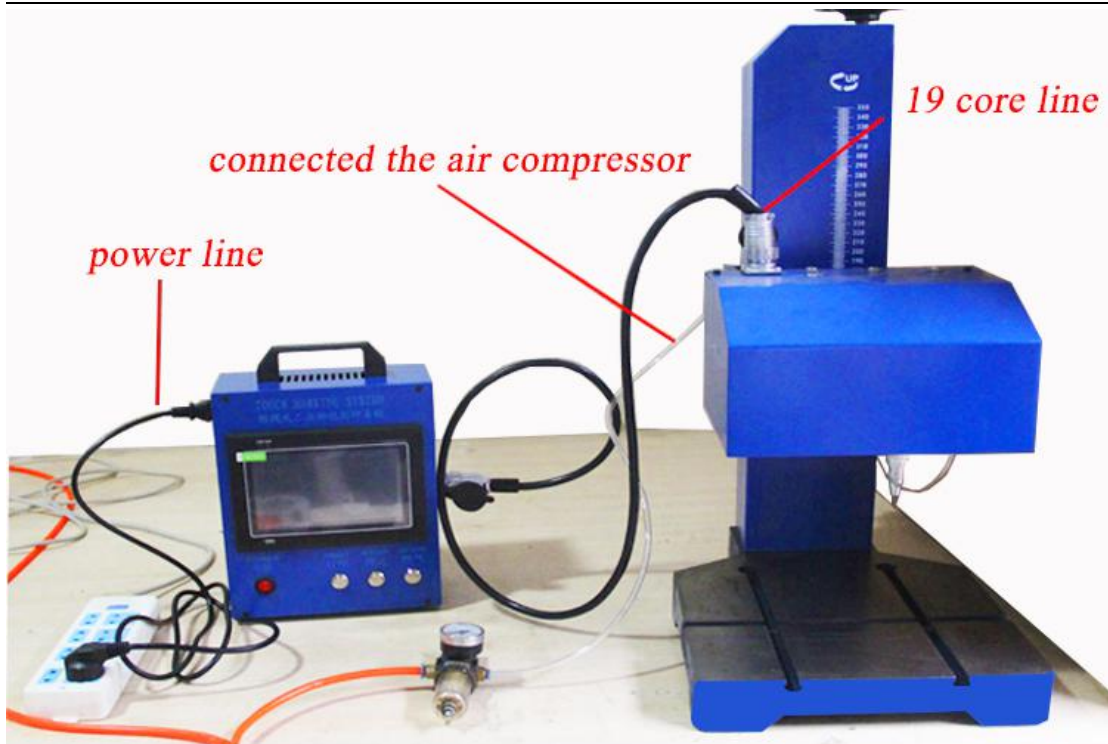
10) G.W.: around 10kg

Equipment installation

Part inspection

When you receive the machine, check to see if the parts are complete

1 The gun marking machine part 2,The controller part   3 ,The controller power cord, 4 , The 19 core aerial plug cable

二．Device connection

1.The controller part wiring connect shown:

power line

connected the air compressor

19 core line

USB line

19 core line

connected the air

Power line

A: connect the 19 core aerial cable (one end to the machine and the other to the controller)

B: Connect to the outlet of the pressure regulating valve

2.Part of the pressure regulating valve as shown

A: inlet side
B: vent ends

The air inlet end is connected to the air source, and the air outlet end is connected to the marking machine gas pipe line
The pressure regulating valve is recommended to use air pressure 0.4-0.5mpa

3, The controller section is connected as shown in picture

A: controller power line interface (need to ground wire, otherwise long term use will cause harm to display)

B:19 core insertion line interface

How to use the machine?

1, Turn on the red power button on the controller and set the edit contents that need to be printed. (refer to the 7 inch screen operation instructions for specific operations)

2, Edited content after placed into the target machine part, press the head on the left side of the electromagnet fixed position switch on the controller. Then click on the needle position, observe the machine part of the needle position is appropriate, by moving the content on screen position to adjust the needle position. After adjustment of the printing press the print path the preview button of the needle.

3, After the position is determined, switch on the air source switch on the controller and press the print switch to work normally

4, After printing, you can save the edit contents on the controller and use the file again.