

Instruction Manual of LH40-S Pyrograph Machine



1) Pyrograph machine switch: Turn on the switch when using it, and turn it off when not in use to avoid danger.

2) Thermostat: It is used to adjust the temperature of the pyrograph pen. The light gray part is the normal adjustment of the rendering temperature, and the red part is the high temperature area. The temperature adjustment of the electrical heating wire pen is to slowly adjust the temperature through the temperature regulator. If it is temperature display, adjust the temperature to 600 degrees and then slowly lower it, it would be best the temperature is around 350-600 degrees and the low temperature rendering is about 350-450 degrees. When adjusting the temperature, adjust the tip of the electrical heating wire pen from a little grayish orange to not red. Don't be too red, too high temperature will make the pen soft and unable to draw normally, the performance will drop sharply, and the line drawn will be burnt.

3) pyrograph pen socket: The pyrograph pen plug should be closely matched with the socket, the plug should be inserted under the bottom of the socket, which should be closely matched to avoid overheating and burning accessories.

4) Thermometer: the temperature adjustment display range is 300-600 degrees.

Precautions for Pyrograph Machine:

1) Tighten the screw of the pen tip when applying the pen tip, avoid poor contact between the pen tip and the terminal so that the pen tip is not hot. The overheating of the terminal will burn out the accessories, If the terminal is too hot, that is the pen tip is not tightly fastened, and it should be fastened with a screwdriver in time.

2) Select a heating wire under 1 mm as the pen tip. Do not choose other nonheating wire materials such as iron wire as the pen tip, which is very dangerous and easy to burn out all the accessories in the movement, and it is easy to cause electric shock and fire.

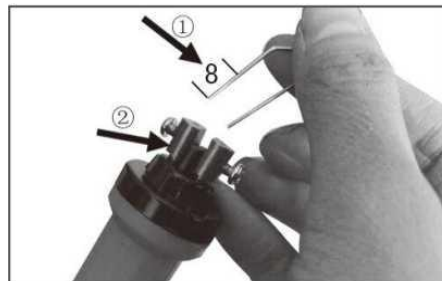
Correct Installation of Pen Point of Pyrograph

The pen point of pyrograph is not hot, and the temperature is suddenly high, and suddenly low. There are sparks coming from the pen point and the penholder is hot to grasp. What is the reason? It's because the incorrect installation of the pen point.



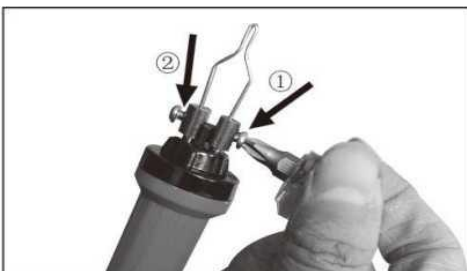
① Here the top screw needs to exit more than 4 mm, and the screw needs to exit this distance and inserts into the pen point.

② It's wrong for screw to insert into the pen point at this distance.



① The feet of the pen point shall be inserted into the copper binding post for more than 8 mm.

② The pen point copper binding post



① Tighten the screw with the screwdriver and tighten the feet of the pen point! It must be tightly closed; otherwise, the pen point won't be heated or its heating is abnormal or even sparks.

② The screw leaks outside too much, and it's sure the feet of pen point is not tightened which is wrong.



It's the essential to install the pen point .

There are some symptoms of the incorrect installation of pen point, which are the abnormal heat of pen point, unstable temperature of pen point, sparks generating from the pen point, the heating of copper column and the burning hot of pen holder.