

Safe rules

As with all machinery there are certain hazards involved with their operation and use. Use caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. If you have any questions relating to the installation and operation, do not use the equipment until you contacted your supplying distributor.

Please read the following carefully and fully before operating the machine:

1. Keep the working area clean.
2. Do not wear loose clothing, gloves, bracelets, necklaces or ornaments.
3. Do wear face, eye, respiratory and body protection devices as indicated for the operation or environment.
4. Ensure that the power is disconnected from the machine before tools are serviced or an attachment is to be fitted or removed.
5. Never leave the machine with the power on.
6. Do no use dull, gummy or cracked cutting tools.
7. Ensure that the keys and adjusting wrenches have been removed and all the nuts and bolts are secured.

Noise Emission

Notes concerning noise emission:

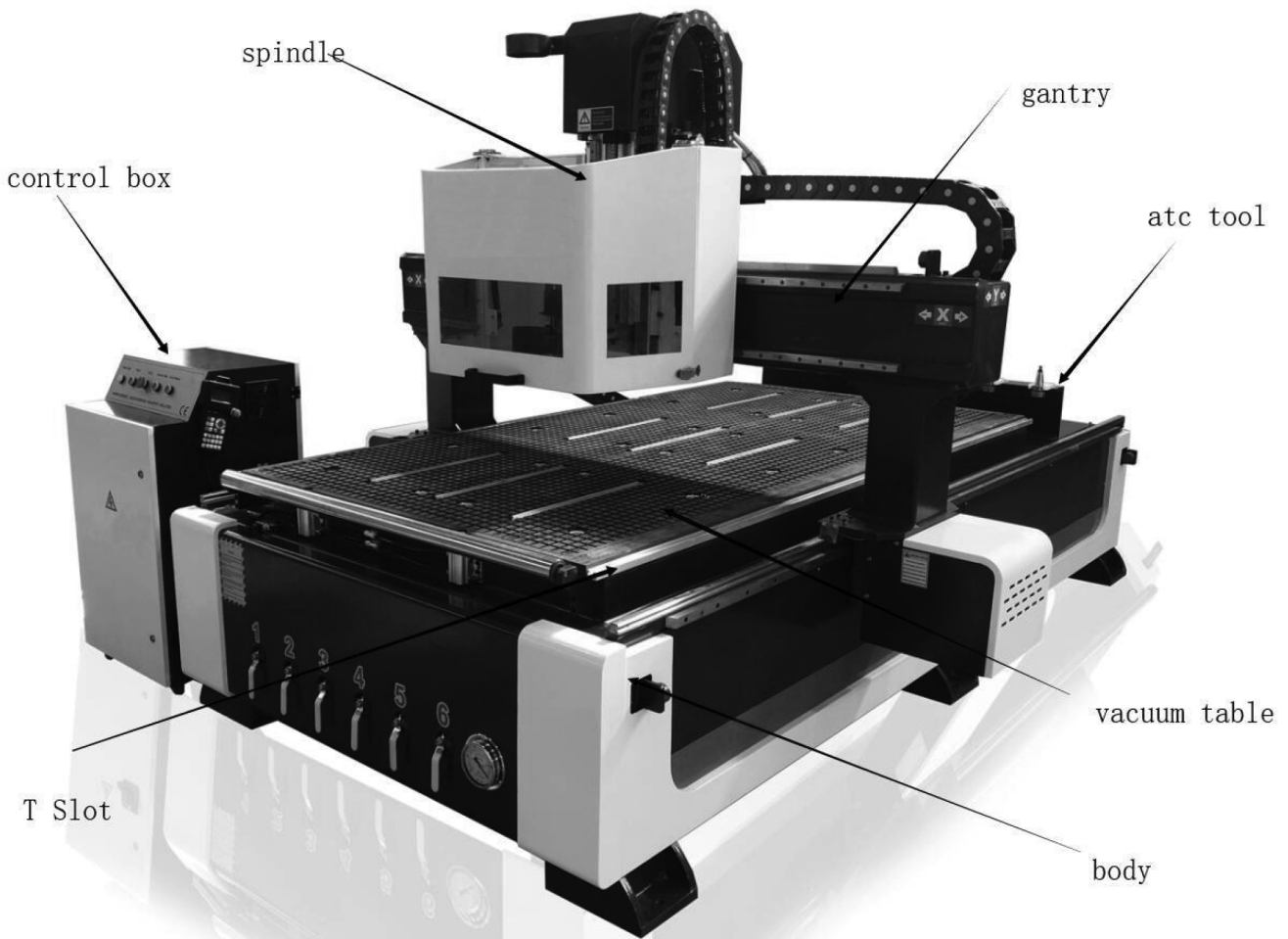
Given that there exists a relationship between noise level and exposure times, it is not possible to precisely determine the need for supplementary precautions. The factors affecting the true level of exposure to operators are clearly the amount of time exposed and the characteristics of the working environment, such as other sources of dust and noise, etc., for example, adjacent machines - in other words, the level of ambient noise. It is possible that exposure level limits will vary from country to country.

Receiving your machine

Note. It is probable that you will find sawdust within your machine. This is because the machine has been tested prior to shipment from the factory.

We endeavour to test machines prior to shipping to customers as movement can take place during transportation. It must be noted that additional machine movement can take place between us and the end user and some adjustments may have to be undertaken by the customer. These adjustments are covered in the various sections of this manual.

Machine introduce



1. Vacuum table & T slot

The bed of the machine consists of a heavy steel frame with a plastic top that is slotted for the vacuum function. It has “T-Slots” . The “T” slots are used to clamp the job or fixtures to the bed.

2. Gantry

The gantry straddles the bed and carries the router spindle motion system. It is moved along the length of the bed by a precision ball screw system that is controlled by the machine controller.

3. Spindle

The router spindle is moved along the gantry by a precision ball screw system that is controlled by the machine controller.

4. Machine body

The frame is a heavy welded construction that supports all the other parts of the machine.

5. Electrical control cabinet

The electrical control cabinet is located on the side of the machine in a dust free enclosure.

6. Vacuum switch

The vacuum switch is control the vacuum zones,when you processing small wood,you can only open one or two,so the vacuum result will be more stronger.

Where to Locate Your machine

Before you unpack your machine, select the area where you will use your machine. There are no hard and fast rules for its location but here are a few guidelines:

1. There should be an area around the machine suitable for the length of wood you will be machining.
2. Adequate lighting: the better the lighting, the more accurately and safely you will be able to work.
3. Solid floor: you should select a solid flat floor, preferably concrete or something similar.
4. Locate your machine close to the power source and dust collection.

Unpacking Your

To unpack your machine, you will need tin snips, a knife and a wrench.

1. Using the tin snips, cut the banding that is securing the machine to the pallet [if fitted].

WARNING: EXTREME CAUTION MUST BE USED AS THE BANDING WILL SPRING AND COULD CAUSE INJURY.

2. Remove the box from the machine I [if fitted] and any other packaging material. The parts ordered with the machine will be packed on or inside the machine.

Note: The machine is heavy. If you have any doubt about the described procedure, seek professional assistance. Do not attempt any procedure that you feel is unsafe, or that you do not have the physical capability of achieving.

3. Use a fork lift with sufficient lifting capacity and forks that are long enough to reach the complete width of the machine.
4. Approaching the machine from the side, lift the machine on the frame taking care that there are no cables or pipes in the area of the forks.
5. Move the machine to the required position and lower gently to the floor.
6. Level the machine so that all the supporting feet are taking the weight of the machine and no rocking is taking place.

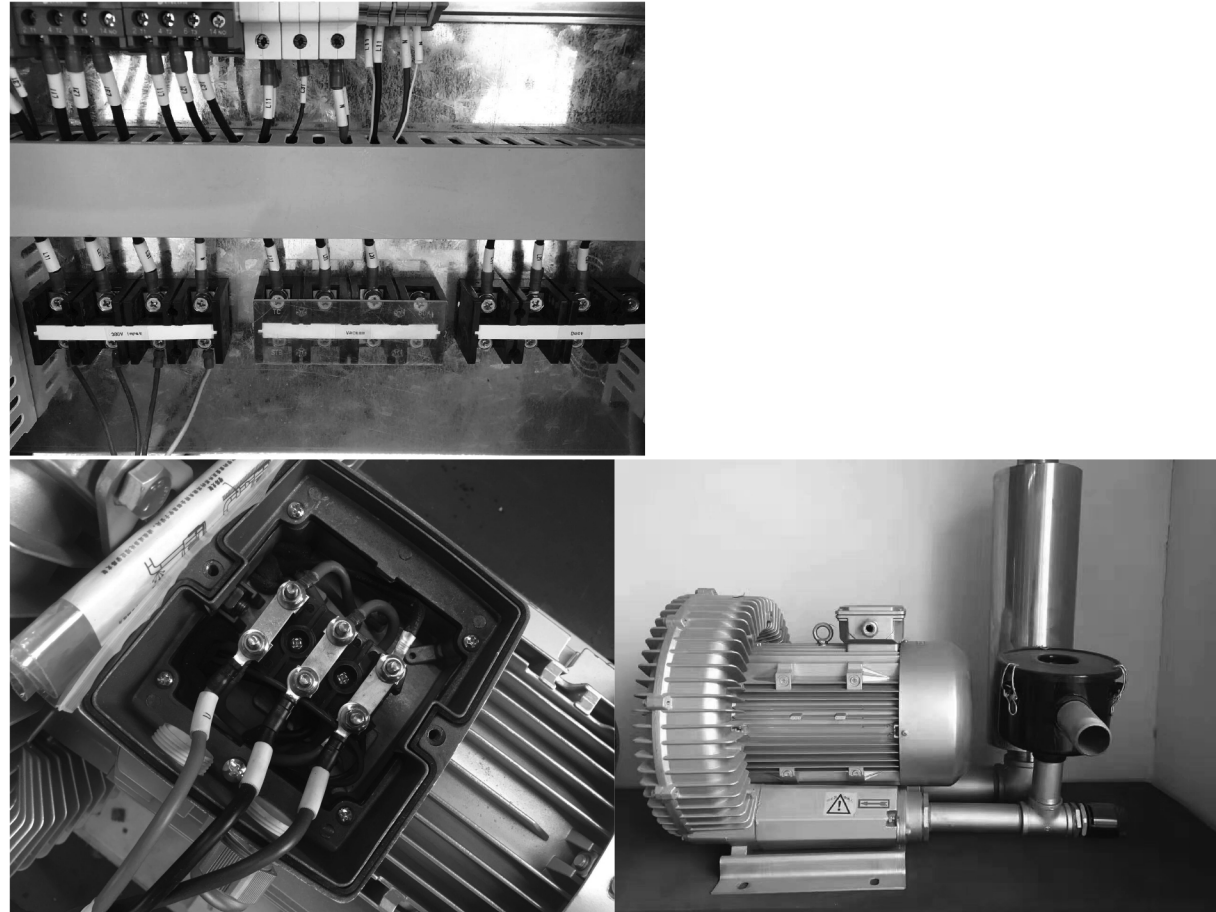
Machine install and use

Prepare :

1. Machine power supplier wire three pieces,One use for machine,One use for vacuum pump,One use for dust collector,the wire should be bigger than 6 square millimeter copper wire.
If your machine use 3ph 380V,machine cable should be 3 firing line and 1 null line.
If your machine use 3ph 220V,Machine cable should be 3 firing line

Vacuum pump and dust collector cable only need 3 firing line,no need null line.

2. Connect cable to control cabinet,and install vacuum pump



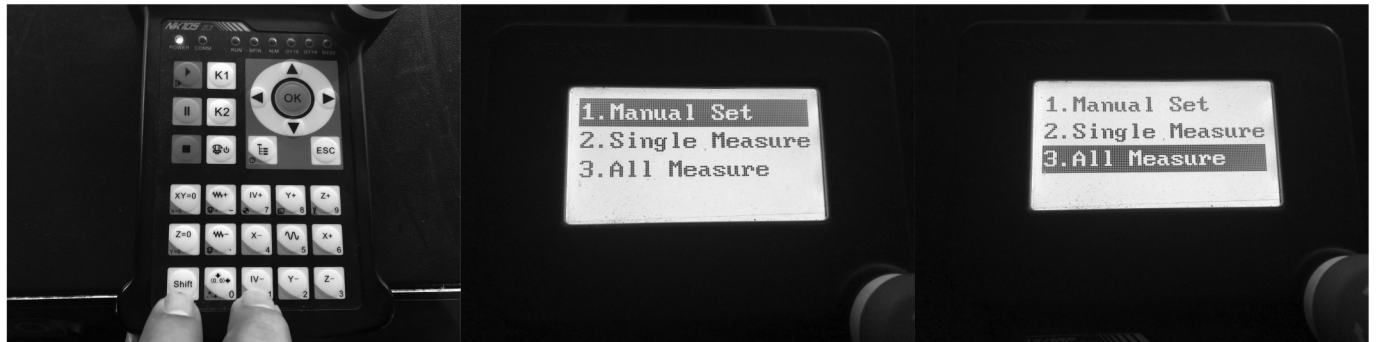
3. Control cabinet button details,Before open the machine power switch,we need to rotate the E stop switch and release it.Then press the Power button,then the Power button with light.



4. Waiting DSP System start,And it show let machine go home,we need choose :All axis go home,and waiting machine go home.



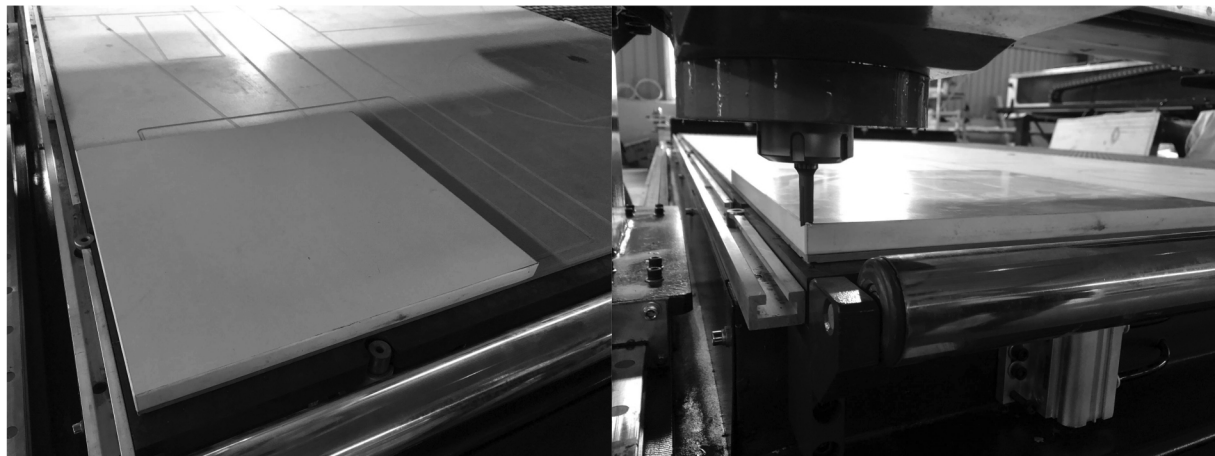
5. Automatic tool measure, Press "Shift"+1, choose "All Measure" then press ok



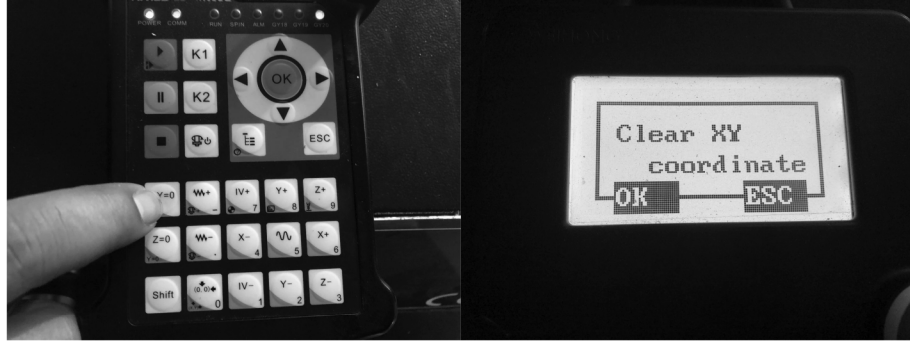
6. After finish all tool measure, press "Down arrow" +1, spindle will change tool from T6 to T1



7. we put the basic board on the top of vacuum table, then put one we wanted processing wood board on the top of basic board. Turn on the vacuum pump and vacuum switch. Let the cutter at the top of wood board



8. Press XY-0, OK Z-0, OK



9. Put your U disk into the control cabinet. Press Menu key, Choose 2. U disk file, Choose your G Code and press 1 loading, Press running key then machine start working



Maintenance

As with any machine, to ensure optimal performance you must conduct regular maintenance.

Daily Checks

1. Clean the machine and lubricate unpainted surfaces with a Teflon lubricant. Wipe off any excess and buff with a dry polishing cloth. This will reduce the likelihood of rust forming.
2. Check cutter teeth for chips and dullness.
3. Generally inspect the machine for damage and loose or worn parts.

Weekly Checks

1. Clean the cutters.

2. Check cutter teeth for chips and dullness.
3. Generally inspect the machine for damage and loose or worn parts.
4. Check the dust extraction for blockages and any large bits that could cause blockages.

Oiling the Machine

The machine is provided with a central oiler. Do not over lubricate the machine as excess oil attracts dirt and sawdust.

It is recommended that one pump of the oiler once a week will be sufficient to keep your machine lubricated. Press oil pump hand 3-5 times is ok. When the oil tank needs filling, top up with a good quality SAE 32 weight oil.

