



Pay attention to the following:

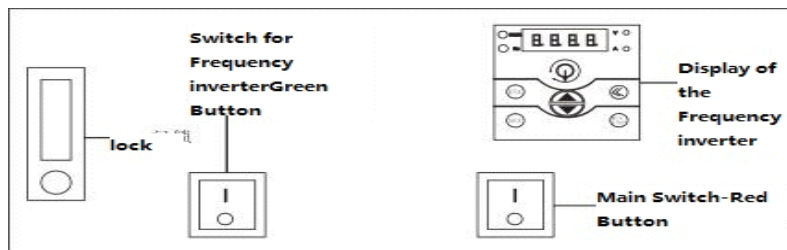
- Please don't plug or pull out the cable connected with the computer when power on.
- Please don't plug or pull out the cable of Manipulation boxes when power on.
- In order to guarantee safety and reduce disturbance, the shell of computer and engraving machine must be grounded.
- When on the fly, please shut off the power.
- Please pull out the BNC connector plugs, when the machine is not used for a period of time.
- The spindle's life-span is inversely proportional to its rotation speed.
- The cutter is very sharp. In order to prevent involvement which can result in injury and the equipment's damages, don't touch by hand, the handkerchief, the silk kerchief while rotating.
- Regarding the water-cooled spindle motor, it has to be connected with the water pump and ensure the water-circulating before using the machine.
- The size of the processing materials can't be bigger than the working area of the machine.
- Pls keep the router bits into the collet tight in order to ensure the sharpness of the cutters. or the dull router bits would affect the quality engraving and make the motor overloaded.

Installation:

- 1) Open the wooden case carefully. And lift up the machine and put it in flat ground. Don't knock the machine
- 2) Open the tool box. Connect the cable with the electricity to check whether the machine can work.
- 3) Install the driving program and software onto the computer.
- 4) Check the travel direction and travelling size.

The Indicator diagram of the front part of the Control Box:

(1) 12 Series



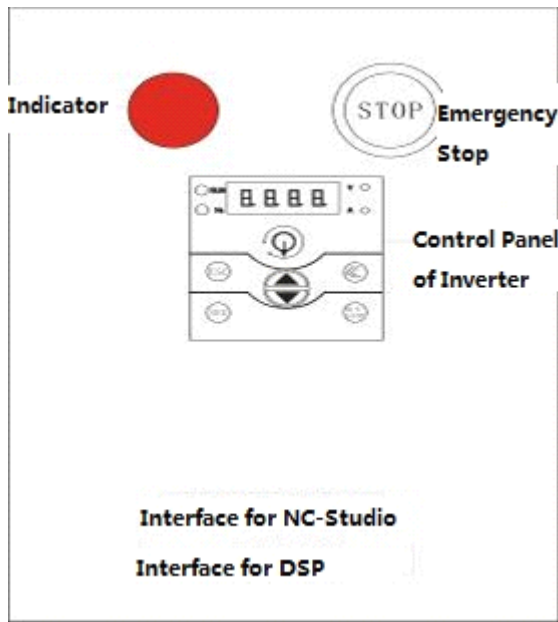


济南三轴数控设备有限公司

JINAN XYZ-TECH CNC EQUIPMENT CO., LTD

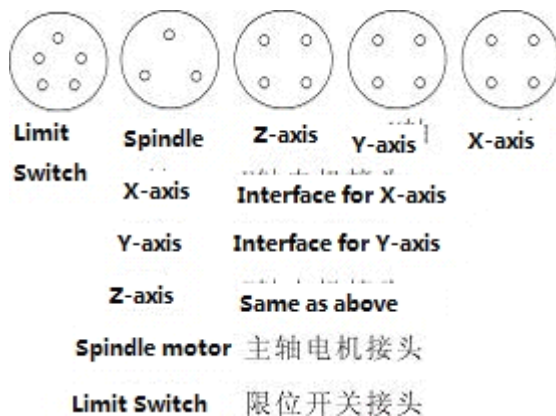
Tel: 86-531-86413338 Fax: 86-531-86413335

(2) 1325 series:



The Indicator diagram of the back part of the Control Box:

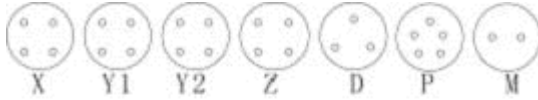
(1) 12 Series:



Xiaolisan Viliage, Xiaoli Town, Changqing District, Jinan, China



(2) 1325 Series:



- X **Interface for X-Motor**
- Y1 **Interface for Y1-motor**
- Y2 **Interface for Y2-motor**
- Z **Interface for Z-motor**
- D **Interface for Spindle**
- P **Interface for limit Switch**
- M **Interface for electric valve**

Daily Maintenance:

1. properly use the machine according to the user manual.
2. The working table is required to be cleaned after work every day. the Linear Rail and the Ballscrew need to be maintained by the lubricating oil after cleaning.
3. Regular Maintenance should be operated every month, mainly checking the screw of every parts of the machine whether it is loosen or not to ensure the lubricating of the mechanical parts and good working enviroment.
4. Keep checking whether it is well-circulated between the water pump and the spindle motor before work, ensure the water flow of water pump normally as usual.
5. Pls choose the quality power socket which has the good ground protection to avoid abnormal machining processing to the processing materials because of the bad connection when the power socket was loosen.

Attentions move to mechanical origin

At the process of returning mechanical origin, there will be different process according to different system requirement. The calibration process will be slower in high accuracy requiring system. When process returning mechanical origin function you must pay attention to the NC state window, and close the dialog of returning mechanical origin only after the system enter idle state. When the process of returning mechanical origin is interrupt manually, it will cause some aftereffect as following: 1.it will usually appear the port warnings, because of this time limitation



signal does not disappear; 2. un-accurate position because of interruption of returning mechanical origin; 3. the soft limitation function has no effect, because moving to reference point process does not complete, so system consider the soft limitation function to be invalid, and the soft limitation function will function until the process of returning reference point completed.

Mechanical Parts :

