

I. TECHNO HD SETUP

The Techno HD Series Router is powered by 220 Volt AC. Unless specially requested, the electronics require 3-phase power.

1.1 The Electronics are housed in the large Nema enclosure as shown in Figure 1.1. When unpacking the machine avoid twisting the cable carrier that guides the cables to the motors.



Fig. 1.1

1.5 Unpack the hand-held controller (shown in Fig 1.5) and carefully attach this to the controller board. (shown in Fig 1.6).



Fig. 1.5

1.2 Open the back of the enclosure (shown in Fig 1.2) with the key provided.



Fig. 1.2

1.3 The electronics will now be visible and identifiable and will be identical or like depending on the model issued. (shown in Fig. 1.3).

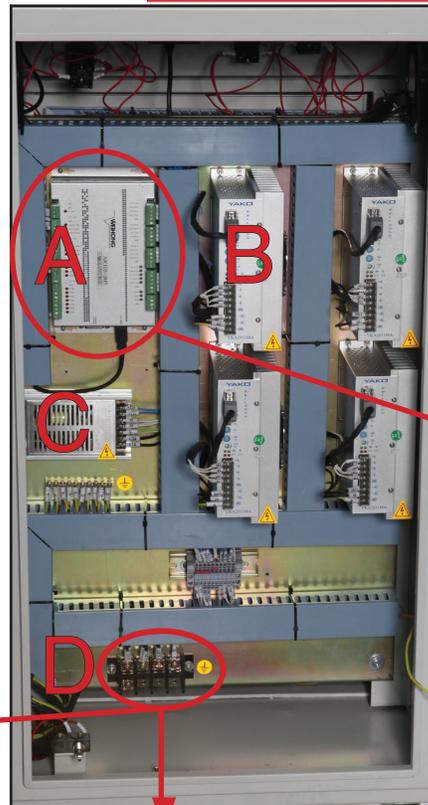


Fig. 1.3

The terminals for the 220 volt connection is located at the bottom of the box (shown in Fig.1.4).

1.4 Have a suitably qualified person connect the 220V to the terminals. Make sure that all local electrical codes are obeyed. For single phase machine, connect power to L1 and L3 only.

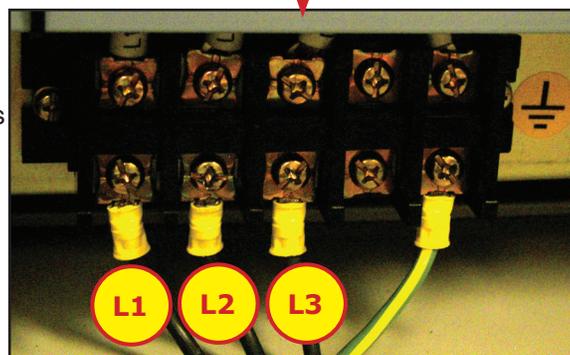


Fig. 1.4

1.6 Guide the cable through the hole on the side of the enclosure and attach the hand-held controller to the DB 15 terminal. (shown in Fig. 1.6).

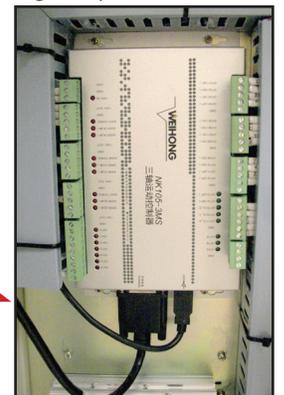


Fig. 1.6

1.7 If the machine has a vacuum hold down pump, there is a matching connector that will plug into the controller box (shown in Fig.1.7).



Fig. 1.7

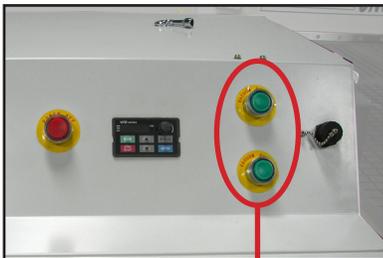


WARNING: Direction of Pump Rotation is critical. Briefly start Pump and check rotation (arrow on casing). Exchange phases if rotation is incorrect. **IF YOU RUN THE PUMP/BLOWER CONTINUOUSLY IN THE WRONG DIRECTION, THE VANES WILL BE DAMAGED.**

II. VACUUM PUMP SETUP: SINGLE PHASE & 3 PHASE



Control Box Front Panel
(for Vacuum System)



The **Vacuum Pump Switches**, highlighted above come standard if the Vacuum Table is purchased with the machine.

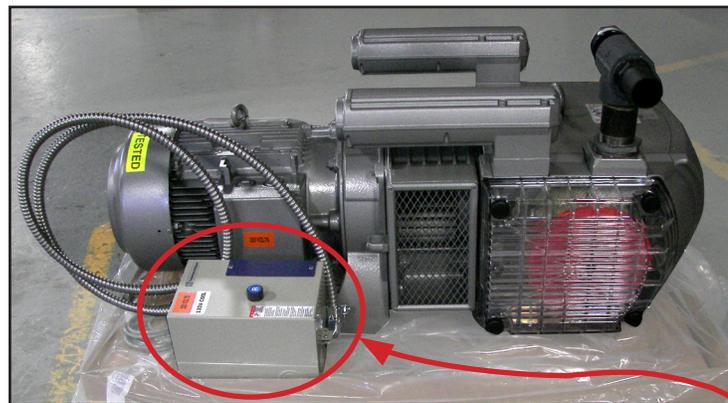


Vacuum Hoses

Use the T-Connector to connect the Blue Hose to the 2 Vacuum Hoses to the Machine.



Vacuum Hose Kit



If a Vacuum Pump/Blower was part of your order, you will have an electrical starter box that looks like this. You should not need to wire the Vacuum Pump/Blower Motor, it has been wired and tested at the factory.

3 Phase Control Box



Pump/Blower Motor Starter Box & Connector

NOTE: The cover was removed from Motor Starter.

Single Phase Control Box



You will need to have the electrician connect AC power (**220 or 440VAC**) as specified on the unit **here** to the Motor Starter.