

## Manual eccentric grinder



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## **Introduction.**

You bought with this eccentric grinder a machine that:

- the ultimate grinder, polisher for big pieces of glass up to 40\*40 cm
- adjustable rotational speed
- digital timer with final whistle function
- A powerful 3 Phase motor plugged in on 240 Volt
- perfect adjustable to the weight of the object
- Easy to maintain
- 16 Amp Fuse

**Before you start.**

**Read these instructions carefully before using the machine**

***This machine may only be used by people that have knowledge of how to operate a grinding machine.***

1. Place the machine on an even floor. The machine is standing on three rubbers that will keep the machine set on his place by regulating the speed to the weight
2. Plug in to a power point and press the green button. The machine is powered now.
3. Turn the speed knob back to number one.
4. Set the clock by pushing " progr ". First you can set the hours using the plus or minus button. Push again on "progr" and then the minutes can be set. Do this again and set the seconds. Push then "progr" again and the time is set.
5. Push the start button and the disk will turn on.
6. If the disk isn't turning check the timer if the set time is still there or if it is back to 00.00.00. If so then set the time again. To stop the disk, push the stop button on the clock. When you push the red button then the total machine is turn off.
7. Now the machine is ready for using.

### **Grinding the first time.**

Put a thin layer of water on the disk and ad a scouring-sand, put the object carefully on the disk. The grain size is depending on how much you have to remove. Start with F40 or F100 and change each stage to a finer grain size F600 or until the required surface has been reached

This process is the same as grinding by hand with diamond disks. Check each time if the scratches are all the same before you go to the next step

This grinding process will consume the scouring-sand is used en that the glass grindings get into the water. On a certain point there is nothing going on anymore. Stop the turning of the disk and take the object out, check if the required point of grinding is reached, then put some extra water in and stirred it to dissolve the residue into the water and clean it carefully when you go to the next level. Take out de rubber and clean it in the groves and putt holes

The best way is to do it with a water vacuum cleaner. Buy a simple one and use it only for this

The most important issue is that it should be really clean for the next stage especially with the finer grains, so that are no "big" scratches appear

## **Polishing**

When you reach the stage of polishing then you must clean the disk and rubber really carefully and well. When clean put in the rubber band and the polishing disk, make a mixture of water and cerium oxide (in a bottle) and spray some on the disk till it gets soaked with the mixture. Put the object on top of it and check regularly if it is still wet enough. Add more mixture if it is too dry (it will stay more on its place when it is too dry)

Keep on going with this process until you are satisfied. Clean the disk and dry it. Keep it clean during storage when dried, for preventive to get dirty and get sand in it

## **Shut down off the machine**

To shut down the machine totally press the red button. Now the power is completely off. If you don't do this there will be power on the frequency regulator, this is using energy.

## **Maintenance on your Machine**

This machine is easy in maintenance but like your car it needs some attention.

To keep your disk pristine, clean it well after using it. Dry it good with a paper towel and spray it with some oil, like W40 this will protect it against rust

Every 100 hours the bearings can use some grease.

If the fan belt is a little loose you can adjust the motor by sliding it a little back. Make sure that the fan belt is equal to the disk on the shaft. It is important to do so otherwise tear of the belt is much bigger and can snap