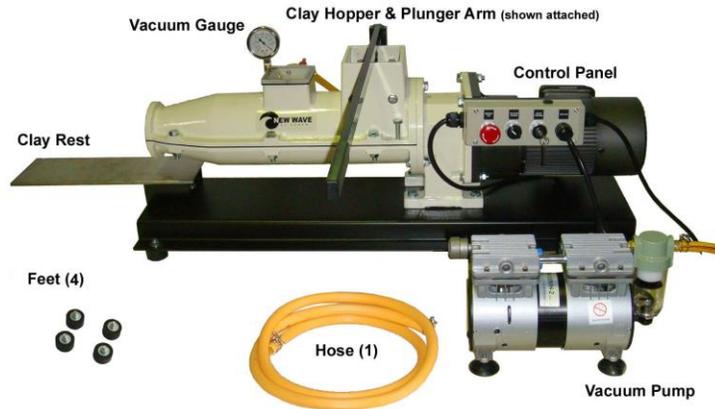


# \*\*\*\*Important Read First\*\*\*\*

## Unpacking the pug mill

First, remove the nails on the four lower sides of the wooden crate. Watch out for the nails. Next, remove the upper wooden crate box. The pug mill must be unbolted from the bottom slats. There are 2 on each side of the pug mill. Keep the crate a few hours after operation to insure the pug mill is running smoothly before disposing of the crate.

## Identify the parts of your pug mill

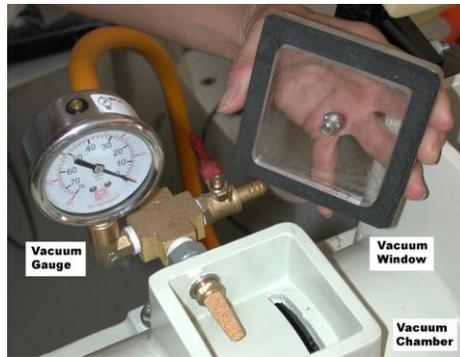


## Control Panel



## Chamber Filter





A Safety Grill is located in the clay hopper to prevent your hand from hitting the blades when operating.



## Assembling your pug mill:

**Do not plug your pug mill in until you have assembled the pug mill and have it positioned on a sturdy table.**

Take the hose:

Attach one end to the back of the Vacuum gauge and tighten the screw of the hose clip. Connect the other end of the hose to the vacuum pump and tighten the screw of the hose clip (as shown).



Next, take the feet... and attach them to the bottom of the pug mill.



Take your Clay Plunger; and attach it to the back of the Clay Hopper. You must unscrew the nuts before attaching as shown in the picture, then simply slide the Clay Plunger onto the bolts and replace and tighten the nuts you have just removed.

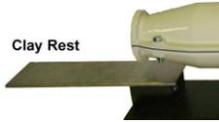


Once you have done these procedures, you may connect the power cords leading from the vacuum pump to the pug mill.



### **Electrical Current:**

Both the pug mill AND the vacuum pump run on 220/240 volts; running either the vacuum or the pug mill on 110 volt current can permanently damage the motor and void the warranty.



### **Clay Rest:**

The pug mill is equipped with a retractable stainless steel clay rest to make the pugging process easier.

## **Maintenance to your pug mill**

**\*Before any maintenance is performed, make certain equipment is turned off and unplugged.\***

### **Vacuum Pump**

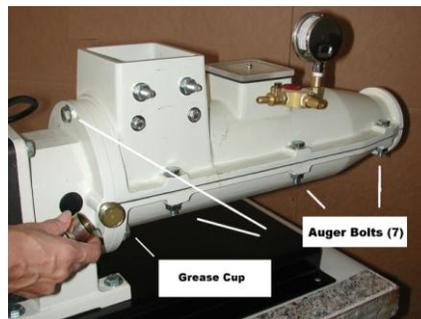
This unit is equipped with an oilless, double stage, piston type high vacuum pump. It does not need any maintenance aside from draining any water from the air filter.

### **Pug mill Oil**

The oil in the gears of the pug mill motor is completely contained and does not need any checking or changing.

### **Grease Cup**

There is a grease cup on the backside of the unit. Each day before you start the unit, rotate the cup one turn to grease the auger shaft. The grease cup needs to be filled with grease when it is empty.



## **Cleaning the pug mill**

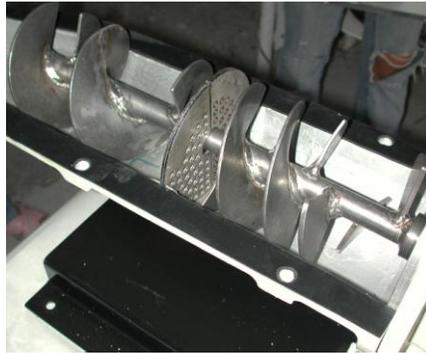
**\*Always unplug the machine before cleaning\***

To clean the pug mill, unbolt all 7 bolts (shown above).

Inside you will see the auger shaft and blades.



Set in a groove is the shredder screen (shown below)



Remove the screen by rotating the two pieces until one comes off from the top.



Take both parts of the screen out and thoroughly clean them with water. Then clean the rest of the barrel and auger. Clean with a sponge and dry with a towel. Place the clean screen half on the top of the shaft, and then rotate it by hand into the groove. Place the second piece in the same manner, making certain the holes line up correctly. Once both pieces are set, rotate them so that the split between them is vertical. Place the top barrel directly on the bottom barrel until the bolt holes line up. Bolt down the barrels together. The barrels must be sealed properly in order to maintain a good vacuum. Make sure it is seated snugly in all directions, with gasket in place, prior to bolting down.

Checking for a leak:

After placing the top barrel back on, fill the hopper with clay and test the vacuum pump by turning it on. If you are not getting the proper vacuum, you may have a leak. To find a leak, run a bead of moist clay at the seam of the barrel while the machine is running. At the point that the vacuum gauge rises, you have covered the spot(s) where the leak is present. To fix the leak, (Turn off and unplug the pug mill) unbolt the top barrel; check if any dirt, dust or clay is on the joining surface of the barrel and gasket. Make certain to carefully set the top barrel flush with the gasket. Push it as far back as it can go, so that the back end is completely sealed.

**Important: The barrel must be completely full to get the proper vacuum.**

At other times, if the clay output presents poor vacuum, first check vacuum chamber to see if the slot is blocked by clay. If yes, you must stop the machine first and remove the clay blocking the slot.

**Warranty:**

The New Wave Pug Mill comes with a one-year warranty against defects in parts or workmanship. The warranty does not cover damage due to improper use.