

Instructions Tumble Vibe Tumbling of stones.

Operation

- Do not place on a table. It could fall down due to its vibration. Put on the floor for safe operation.
- Do not cover to reduce noise. It can overheat the motor and creates a fire danger.
- Connect with a 3 phase, properly grounded electrical outlet.
- Do not put a bigger bowl on the tumbling machine. The motor will be damaged if you overload it with too much weight.
- The TV-5 tumbler may come with 2 bowls. Do not put both at the same time. One is for coarse grits and the other for polishing grits.
- Disconnect the tumbler from the electrical outlet when you handle its content. The stones, water or grinding powders. For your safety, make sure your hands are dry when you handle the electrical plug or cable.
- This material is intended to be operated by trained personnel or professionals.

The stones

- Do not mix together stones of different hardness.
- Put the stones with the grinding powder and some water into the bowl. 1 Kg of stones with 2 teaspoons of powder and 4 teaspoons of water.
- The stones must move when the tumbler is in operation.
- Inspect the tumbler during the first 15 minutes of operation.
 - A) Verify that the tumbler is not moving around on the floor.
 - B) Verify that the floor is not getting wet (otherwise you have put too much water)
 - C) If the stones seem to be glued one on another, then the mixture is too dry. Add water.

Clean the stones scrupulously between the steps, in order to avoid contamination of the next finer step.

Procedure

Step	Grit	Quantity of grit	Water required	Cycle time	Comments
1 rough grind	silicon carbide 100/120	2 teaspoons every 12 hours. Rinse out sludge every other time grit is added. New grit is required as old grit breaks down and sludge no longer feels gritty.	If rocks are dry, add 4 teaspoons of water. If rocks are wet from rinsing, add half the quantity above. If tumbling action slows down from evaporation add water to restore tumbling action. Check every 8 hours.	5 – 10 days, depending the initial texture of the stones.	The Tumble -Vibe is especially useful for finishing stones where the shape should not be greatly altered, as with sawed or ground preforms. For full rounded stones, step one is best completed with a rotary tumbler.
2 fine grind	silicon carbide 700	2 teaspoons	same as above	1 – 2 days	If soft stones are tumbled, this step should continue long enough to break down the grit to a fine particle. At least 2 days.
3 pre-polish	silicon carbide or lolox 50	2 teaspoons	same as above	1 day	Eliminate this step with soft stones such as Dolomit, Malachite Rhodochrosite, etc.
4 polish	aluminum oxide or Raybrite TL	2 teaspoons	same as above	1 – 2days	Change entire load after one day.