

Genie Operation Instructions

*Improper/Rough treatment of these machines may result in the loss of shop privileges!

Before grinding or polishing any material, make certain that it will not produce toxic fumes or dust. Seashells, metallic ores, and some materials may release toxic fumes during grinding.

Use safety glasses to protect your eyes from flying particles!

Make sure that the back edges of your hoods are inside the pans to prevent water from running outside the pans.

To remove either hood from its bracket, grasp it with both hands and rotate it towards you rather than attempting to lift it straight up and off the bracket. Then the pan can be removed to clean out.

The water Geysers (Spitters) should be placed in the water pan with the large hold down, and set towards the rear of the wheel to avoid water splash. Remember to move the geysers from wheel to wheel as you work

About 2 cups of water should be planed in each pan

To grind a uniform bezel on your stones, set the cab rest upright, with the down slope towards you and the upper end close to the grinding wheel. This will produce a 12 1/2-degree bezel.

Use a light to medium pressure when grinding stones. Excessive pressure or the bumping on a heavy rock can shatter diamonds. The wheels will cut best with light to medium pressure, and will last longer.

Use the entire surface of the wheel as you grind your stone. Avoid just using the center or outside edges to extend the wheels life. If you grind on the outside edge to "cut" into a stone or to remove rock from an odd angle, this is damaging our equipment. The diamonds will chip off, and the wheel will be destroyed.

When grinding crosses, hearts or fire agate, be certain you grind with the diamond surface, not the bare metal on the side of the wheel. This will undermine the diamonds and cause excessive wear of the wheel edge.

Nova wheels (squishy soft wheels) must be run with water. If the wheels are run dry for more than a few seconds, rapid wear and damage will result.

Use enough pressure on the nova wheels to slightly depress the wheel so it conforms to your stone's shape. This will also cause fewer scratches than would be produced by using light pressure.

Hold your stone so that sanding is on the lower edge. Sand with the wheel rotation, not towards the wheel rotation. This will avoid dislodging diamond from the wheel surface.

The rubber backed Nova wheels are not suitable to polish rubies and sapphires. A firm backed wheel is needed.

BE SURE YOU CLEAN THE MACHINE AFTER USE!