

16" Impact Mill (2012 model)

Complete with 5hp, 3450 RPM, 220v motor, pre-mounted on a welded base. Total weight approximately 300 lbs.

New feature - run your material wet or dry! When running dry, you can regulate the fineness of the ore output by adding the classify pipe (included) to the top outlet.



2 new features for 2012!

- 1) Hammer hub features 6 tungsten carbide tips for greater wear ability & easy removal for cleaning or replacing the Hammers. (Hub sold separately)
- 2) Metal classifier enables faster run time for wet ores while classifying to -10 mesh, keeping larger particles inside for further grinding




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Laboratory Impact Mill Instructions For Running Dry Ore

This Impact Mill uses a C-faced, 5 HP, 3450 RPM, 220v, 60 cycle (220v, 50 cycle for overseas customers) motor. The motor must not be overloaded. Feed rocks (up to 1" size) into the center input feed chute slowly. Allow the impactor to clean itself out after each two handfuls of ore.

If you want 1 pound of 200 mesh ore, it is faster and simpler to grind about 3 pounds of ore and then screen your ore to 200 mesh. However for those who want all of their ore ground down to 200 mesh or even smaller, we have designed an output for this Mill to classify the ore. It can be adjusted to classify to any mesh that you desire.

When running dry ore (**and it must be absolutely dry, not damp! If damp, run as a wet ore.**), hook up the 2" pipe attachment to the top outlet on the impact mill. (Using teflon tape on the pipe fittings makes it easier to attach and detach all fittings.) Be sure to cap the bottom outlet & remove the metal classifier in the Impact Mill. You can adjust the pipe attachment if you want the larger pieces to fall back into the Mill for re-grinding on a steady basis. (You can also use a longer piece of 2" PVC pipe for even finer grinds.)

It is best to always thoroughly wash out and let it air dry or blow out the Impact Mill when you are finished. This prevents contamination between ore samples, especially in an ore testing stage.



Top outlet for dry ore

Handle for easy removal of front plate

Input Feed chute

Bottom outlet
- cap this outlet when running dry ore. Also remove the metal classifier to keep it from wearing.

Drainage hole for water



Laboratory Impact Mill Instructions For Running Wet Ore

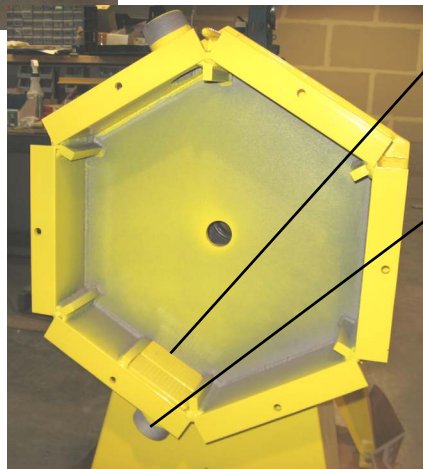
If your ore is damp, you need to run it WET. Damp ore clogs the machine. You won't get as fine a grind as when running dry ore, but the throughput is faster. Screen the finished material to the mesh size you want. Re-run the oversize material to achieve a finer mesh size particle.

Screw a 2" cap on the top outlet and attach a 2" PVC feed pipe to the bottom outlet. Using teflon tape on these outlets makes it easier to change them. Make the ore into a slurry and feed through the center feed input at a steady rate.

It is best to always wash out the Impact Mill when you are finished and let it air dry. This prevents contamination between ore samples, especially in an ore testing stage.



Top outlet for dry ore - cap this outlet when running wet ore



Removable metal classifiers keeps the larger pieces inside for further pulverizing.

Bottom outlet - wet ore comes out here

