

Impact Pulverizer



The PERFECT Impact Pulverizer meets most capacity requirements. It lend themselves to a wide degree of adjustment with finesse of the finished products ranging from about 60 mesh to bulk passing through 300 mesh depending to a considerable extent on the particular materials being handled. It combine Grinding, Classifying and conveying all in one single unit.

It grinds with ease, economy and safety offering a wide range of particle sizing of any non-abrasive material, hard or soft from granular to finest dust up to 300 mesh.

Principles Of Impact Pulverizer Operation

The Perfect Impact Pulverizer consists of and encased rotor carrying swing hammers, whizzer classifier for finess regulation and pressure gradient creator mounted on a solid shaft. Raw material from the feed hopper enters manually or automatically roll feeder and as the feeder and as the feeder pockets rotate spills into the grinding chamber. The impact to the hammers on the feed material against the liner plates reduces it into fine powder. The ground material is carried towards the wizzer classifier for clarification and the over sizw particles are rejected by the finess regulators (whizzer classifier) and returns to the grinding chamber for further grinding. Classified material is then conveyed into the cyclone for collection and bagging. A dust collector is provided in the system for ensuring dustless operation and no loss of ground powder.

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Brief Specification

Type	: Vertical Model Air Swept totally enclosed, high-speed swing hammer type grinding mill with Wizzer Air Classifier.
Body	: The main body is made of Heavy Duty Cast iron, machined with Top covers bolted together for easy opening and cleaning or for inspection. Every portion in the machine, which comes in contact with the material, is lined with high-grade steel plates.
Feeder	: Automatic rotary feeder gear driven from the main shaft with feed control mechanism.
Crushing	: The striking face of the Crushing Chamber is lined with hard chilled iron replaceable.
Chamber	: Plates keeping in view of the proper protection to be given to the chamber from the wear and tear which ensures ever - lasting.
Rotor	: Thick mild steel machined plates mounted on main shaft.
Bearings	: Best Double row self-aligning Ball Bearings in cast iron housing with suitable Grease Cups for heavy-duty lubrication.
Hammer	: Forged alloy steel, and perfectly balanced.
Classifier	: Heavy duty paddle type with changeable blades and arms (impeilers)
Cyclone	: Mild Steel Sheet fabricated, welded throughout cones.
Dust Collector	: Top and bottom halves of Mild Steel Sheet to be interconnected by Cotton Cloth dust bags.
Pipes	: All interconnection Mild Steel Pipes are supplied with loose Flanges to facilitate easy erection opening and cleaning.
Lubricants	: A bearing are provided with Oil Cup, Grease Cup for heavy Lubrication