



Enterprises

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Impact pulverizer

The Techno wings brand 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 combines grinding, classifying and conveying all in one single unit. It grinds with easy, 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 meshes



Operating Principle of Impact pulverizer

The techno wings impact pulverizer consists of and encased rotor-carrying swing hammers, whizzed classifier for finesse regulation and blower fan 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 carried towards the whizzed classifier for clarification and the finesse regulators (whizzed classifier) and returns to the grinding chamber for further grinding reject the oversize particles. Classified material then conveyed into the cyclone for collection and bagging. A dust collector provided in the system for ensuring dustless operation and no loss of ground powder.

Key Features of Impact pulverizer:

- Unique and Reliable Design
 - The Impact series pulverizers are highly effective as well as nonstop continuous pulverizing process.
- Compact size
- Dust free operation



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- Ideal for dry crushing
- Increased production leading to faster return on the investments
- Hardened & fully machined salving type beaters thus less wear & Terre
- All Rotating parts are dynamically balanced for reducing friction losses and noise

Standard Accessories of Impact pulverizer

- Motor Pulley
- 2 Number cotton balloons.
- Anti vibrating foundation Stand with adjustable rail for motor

Extra Accessories of Impact pulverizer

- Suitable totally enclosed fan cooled three phase sq. Cage motor as per is: 325. {electricity (special power can be accommodated): 110/220/380/415 v0lts, 50/60 Hz, 3 phase }
- Starters, main switch, ampere meter, capacitor for three phase
- Foundation bolts
- V Belts
- All Contacting Parts Stainless Steel 304 / 316 can be accommodated

Application of Impact pulverizer



The techno wings impact pulverizer are used for a wide range of application e.g. Agricultural, chemicals, carbon & graphite, coal, coke, coconut shell & wood saw dust, clay, dye stuff & pigments, detergents, Ferro alloys fertilizers, fillers, food products, herbs & spices, insecticides and pesticides, katha, marine feeds, minerals, plastics, pharmaceuticals, resins, wheat, turmeric, bangel grams, etc.

Construction of Impact pulverizer

Type	Vertical model air swept totally enclosed, high-speed swing hammer type grinding mill with whizzer 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 meets the material, lined with high-grade steel plates.
Feeder	An automatic rotary feeder gear driven from the main shaft with feed control mechanism is optional.
Crushing Chamber	The striking face of the crushing chamber lined with hard chilled iron replaceable. Plates keeping in view of the proper protection to given to the chamber from the wear and tear, which ensures ever - losing.
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



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- Hammer cups for lubrication is supply with all impact pulverizer. Forged alloy steel, and perfectly balanced hammer is supply with the machine (stainless steel 304 is optional).
- Classifier Heavy duty paddle type with changeable blades and arms (impellers)
- Cyclone Mild steel sheet fabricated, welded throughout cones.
- Dust Collector Top and bottom halves of mild steel sheet to interconnect by cotton cloth dust bags.
- Piping All interconnection Mild Steel Pipes supplied with loose Flanges to facilitate easy erection opening and cleaning.
- Lubrication A bearing are provided with Oil Cup, Grease Cup for heavy Lubrication

Section View of Impact pulverizer

LAYOUT OF PULVERIZER :

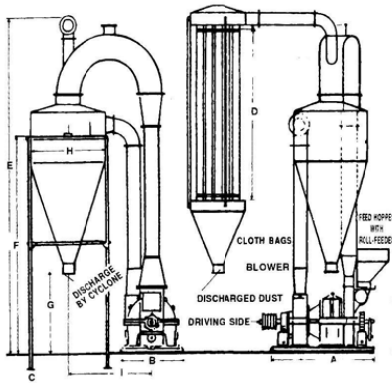
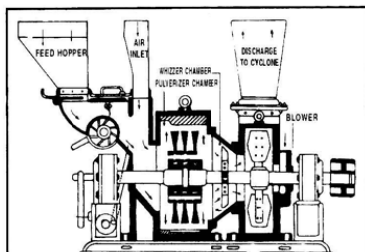
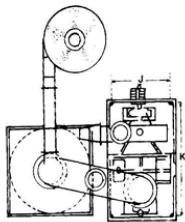


CHART FOR DIMENTIONAL DETAILS IN INCHES					
Size	20"	25"	32" STD	32" BRD	42"
A	37	44	56	67	70
B	28	33	41	41	50
C	42	51	56	56	66
D	56	75	92	92	100
E	130	160	177	177	225
F	68	92	115	115	125
G	36	36	36	36	36
H	36	42	48	48	72
I	41	54	54	54	103
J	15	26	33	33	38
K	21	36	48	52	59



SECTIONAL VIEW SHOWING INTERNAL CONSTRUCTION
 AUTOMATIC FEEDER
 PULVERIZING CHAMBER
 WHIZZER CONE
 AND BLOWER