



Jas Enterprises
An ISO 9001:2008 Certified Company
60, Shreenathji Estate, Panna Estate Road, Rakhial, Ahmedabad 380023 Gujarat India
Phone: - 91-79-22743454, 55 Fax:-91-79-22745062
E mail: - info@jasenterprise.com

<http://www.jasenterprise.com> or <http://www.pulveriser.co.in> or <http://www.pulverizerindia.com>

Impact pulveriser

The techno wings brand impact pulveriser 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.



Key features of impact pulveriser

- Unique and reliable design
 - The impact series pulverisers are highly effective as well as nonstop continuous pulverizing process.
- Compact size.
- Dust free operation.
- Ideal for dry crushing.
- Increased production leading to faster return on the investments.
- Hardened & fully machined salving type beaters thus less wears & tears.
- All rotating parts are dynamically balanced for reducing friction losses and noise.

Available models of impact pulveriser

Model no	Required H.P.	Pulveriser R.P.M.
Tw-12	5 H.P. (3.7 Kw.)	3500
Tw-12 broad	7.5 H.P. (5.5 Kw.)	3500 or 2800
Tw-16	10 H.P. (7.5 Kw.)	3200
Tw-16 broad	15 H.P. (11 Kw.)	3200 or 2800
Tw-20	15 H.P. (11 Kw.)	2200
Tw-20 broad	20 H.P. (15 Kw.)	2800 or 2200
Tw-25	25 H.P. (18.5 Kw.)	2000
Tw-25 broad	30 H.P. (22 Kw.)	2000
Tw-32	40 H.P. (30 Kw.)	2000



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Tw-32 broad	50 H.P. (37.5 Kw.)	1800
Tw-42	60 H.P. (45 Kw.)	1800
Tw-42 broad	80 H.P. (60 Kw.)	1200 1500



Operating principle of impact pulveriser

The techno wings impact pulveriser consists of an enclosed rotor-carrying swing hammers, whizzer 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 pockets rotate spills into the grinding chamber. The impact of the hammers on the feed material against the liner plates reduces it into fine powder. The ground material is carried towards the whizzer classifier for clarification and the finesse regulators (whizzer classifier) and returns to the grinding chamber for further grinding reject the oversize particles.

Classified material is 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.

Construction of impact pulveriser

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, is lined with high-grade steel plates.
Feeder	An automatic rotary feeder gear driven from the main shaft with feed control mechanism is optional.
Crushing	The striking face of the crushing chamber is lined with hard chilled iron replaceable. Chamber plates are kept 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 lubrication is supplied with all impact pulveriser.
Hammer	Forged alloy steel, and dynamical balanced hammer is supplied 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.



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- 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.

Standard accessories of impact pulveriser

- Impact pulveriser's & motor pulley
- Suitable numbers of cotton balloons.
- Anti vibrating foundation stand with adjustable rail for motor

Extra accessories of impact pulveriser

- Suitable totally enclosed fan cooled single or three phase sq. Cage motor as per is: 325 { (special power can be accommodated): 110/220/380/415 volts, 50/60 Hz ,3 phase }
- Suitable starters, main switch, ampere meter, capacitor for three phase
- V belts
- Contacting parts stainless steel 304 / 316 can be accommodated.

Application of impact pulveriser

The techno wings impact pulveriser 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, bangle grams, etc.



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Section view of impact pulveriser

LAYOUT OF PULVERIZER :

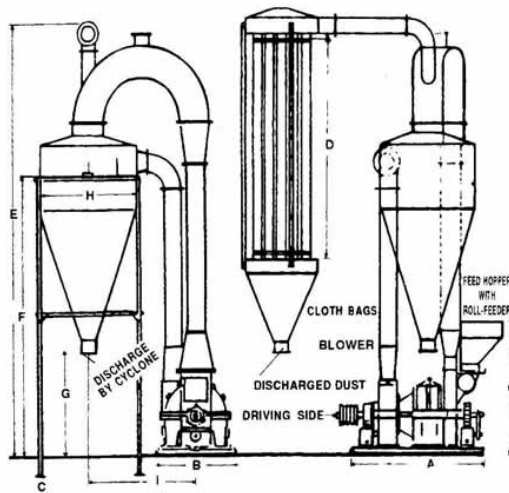
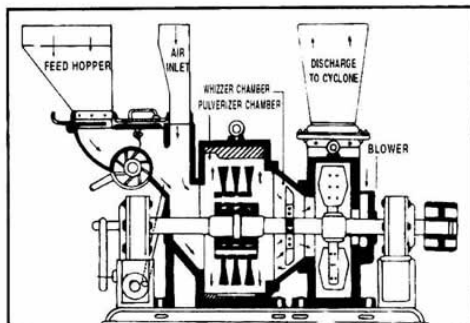
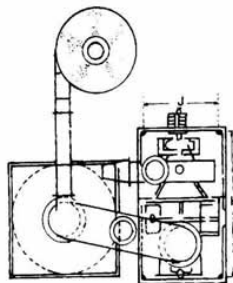


CHART FOR DIMENTIONAL DETAILS IN INCHES					
Size	20"	25"	32" STD	32" BRD	42"
A	37	44	56	67	70
B	28	33	41	41	50
C	42	51	56	56	66
D	56	75	92	92	100
E	130	160	177	177	225
F	68	92	115	115	125
G	36	36	36	36	36
H	36	42	48	48	72
I	41	54	54	54	103
J	15	26	33	33	38
K	21	36	48	52	59



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