



Jas Enterprises  
An ISO 9001:2008 Certified Company  
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## Multi chamber pulveriser

This pulveriser may widely utilize in pharmacy, food, chemical industry, especially where fine mesh is required. It provided with a pre - crushing chamber where the material undergoes a coarse grinding and passes on to the fine powdering chamber. Therefore, we can feed the hard materials like turmeric directly for fine grinding in single feeding. Multi chamber is upgrade version of mini pulveriser. We offer our clients with multi chamber pulveriser that comes with a second chamber used for fine grinding. These machines do not have any separate joints between out late & crushing chamber. Our machine comes with back loading type system that helps in easy cleaning. The various features of our range of multi chamber pulverises include



## Key features of multi chamber pulveriser

- Unique and reliable design
  - The multi chamber series pulverisers are highly effective as well as nonstop continuous pulverizing process.
- Eight numbers beaters are from special steel & single piece (without joints) are hardened, fully machined shelving type dynamically balanced beaters thus less wears & tear.
- Hardened & balanced
- Heavy duty stand & anti vibrating basements
- Suitable for fine grinding
- Dust free operation no wastage of product
- Ideal for dry crushing
- Increased production leading to faster return on the investments
- Single pieces grinding chamber no separate joints of fabrication for out late.

## Available models of multi chamber pulveriser

Model	Tw-84	Tw-124	Tw-168
Fine crushing chamber size dia x width	Ø 8 inch x 3 inch Ø 200 mm x 75mm	Ø 12 inch x 4 inch Ø 300 mm x 1 00mm	Ø 15 inch x 8 inch Ø 356 mm x 200mm



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Required motor	2 h.p. (1.5 kw) or 3 h.p. (2.2 kw)	5 h.p. (3.75 kw) or 7.5 h.p. (5.5 kw)	10 h.p. (7.5 kw) or 15 h.p. (11.3 kw)
Grinding speed (machine rpm)	5000 rpm	5000 rpm	5000 rpm

### Operating principle of multi chamber pulveriser

Techno wings double stage mills (multi chamber) are the latest version of the techno wings mini pulveriser. It provided with a pre - crushing chamber where the material undergoes a coarse grinding and passes on to the fine powdering chamber. Therefore, we can feed the hard materials like turmeric directly for fine grinding in single feeding. This also gives more evenness for the spices powder. The operational life of the screens (sieves) in a double stage mill is about 20 times that of standard mini pulveriser of the same capacity. Pre- cutting chamber fixed on the hinges, which also act as door for fine crushing chamber. The center classifier sieve also taken out very easily by twisting from the lock bolt. The feeding of this machine is through the center of the back end. The crushing chamber and bearing blocks are made of high quality cast iron bearings lubricated in oil.

### servicing guidelines of multi chamber pulveriser

Open the cover of chamber all grinding parts cleaned with a brush in couple of minute and the pulveriser is ready for next grinding. If required, the grinding chamber can also washed with water. Remove the cotton balloon and the screen, close the cover tightly and start the grinder. Now pour a bucket or two of water into the hopper. The grinding parts will be flushed with the water and cleaned. Continue running the machine for a few more minutes as the draft of the fresh air sucked into the grinder will dry it. The beater when worn out removed and reserved by removing the cur clip lock holding to the rotor pins. When both the edges are worn out, they sharpened on an emery stone, to use as new. In addition, when completely worn out, replaced the equal weight and refitted. Please check the oil level of oil bath chamber regularly.

### Standard accessories of multi chamber pulveriser

- Motor pulley
- 1 number cotton balloon.
- Easy to adjustable rail for motor & machine
- 5 numbers perforated round holes screen



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### Extra accessories of multi chamber pulveriser

- Suitable totally enclosed fan cooled single or three phase sq. Cage motor as per is: 325 or 996{ (special power can be accommodated): 220/380/415 v0lts, 50/60 hz , 3 phase }
- Suitable miniature circuit breaker as per is: 8828 with 3 meter cable & 3 pin top as per is: 1293
- V belts
- Contacting parts stainless steel 304 / 316 can be accommodated.

### Application of multi chamber pulveriser

The techno wings multi chamber 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, kasha, marine feeds, minerals, plastics, pharmaceuticals, resins, wheat, turmeric etc.

### Construction of multi chamber pulveriser

Pre-crushing chamber is fixed on the bearing blocks. Bearing blocks are made of high quality cast iron. Bearings are lubricated in oil. Fine grinding chamber is covered with plate on hinge. Which is also acts as door for fine crushing chamber. The center classifier sieve also can be taken out very easily by twisting from the lock bolt. The feeding of this machine is through the off center of the pre-crushing chamber. The heavy suction at the off center results in easy feeding and avoids spillage. These are definite advantages over the conventional type of such pulverisers. The crushing chamber and for heavy duty multi chamber pulveriser is supplied with cotton balloon.