



DP Pulveriser
since 1962

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Thane - 401 101

• Size Reduction & Grinding • Air Classification • Plants & Systems • Laboratory Powder Testing • Equipment Trial •

SPICE GRINDING OFFERING



Spices are the soul of a great dish and India has been the pioneer for its production and processing. DP Pulveriser with its vast experience spanning 6 decades has developed unique solutions for size reduction of spices while retaining the characteristics of spices like color, texture, oil content, taste and so on.

1. DP Mini Pulveriser



DP Mini Pulveriser is a simple type of pulveriser in which the grinding chamber consists of a serrated ratchet liner on top, and screen at the bottom for classification. Feed material is passed into grinding chamber through a hopper manually. The ground power is collected in a through fitted below the screen, depending on the desired fineness, the number of operations could be 2 or 3 in different types of sieves.



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During the grinding process, a small quantity of air is generated, to remove this air a Polyester dust bag is fixed below the trough and the other end of the bag is hung at a height, also acting like a dust collector.

DP Mini Pulverisers are exclusively ideal for the grinding of small quantity of spices, especially for high value condiments like, cinnamon, cloves, cardamom, nutmeg, pulses, sugar with a capacity from 5 kg to 60 kg/ hour, more ever this machine is also highly capable of grinding wet and pulpy material, like green/red chilly sauce, fresh ginger garlic paste, and other wet and allied food products.

	Size of Machine	HP Required	Output/ hour
1	DPM 6 – Mini Pulveriser	2 HP	8- 12 kg
2	DPM 7 – Mini Pulveriser	3 HP	15- 20 kg
3	DPM 8 – Mini Pulveriser	5 HP	20- 25 kg
4	DPM 12 – Mini Pulveriser	10 HP	55- 60 kg

2. DP Hammer Mill

Our DP Hammer Mill (screen type machine) is more efficient than compared to the Mini Pulveriser, with better grinding efficiency. The grinding chamber consists of a serrated liner on top and screen at the bottom, a blower is fitted to suck the ground powder, below the screen driven on the same shaft. At times due to higher oil content in spices, there are chances of the screen getting clogged with spices, thus chocking the grinding chamber. The material passes through the blower and gets discharged through the cyclone through a one way valve.

The air generated in the grinding chamber passes out through the cyclone outlet on top. A polyester dust bag can be fitted above the cyclone working like a dust collector, or we can offer you a totally enclosed dust collector (manually shaken type) or a pulse air type dust collector, the choice we however leave it to your kind decision.



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D.P. SPICE PLANT AT M/S RAJA SPICES, KOLKATA
Directors of M/S Raja Spices, Shri Gupta and Shri Kothari



D.P. SPICE PLANT IN CHINA

DP Hammer Mills are exclusively meant for the grinding of Chillies, Coriander, Dry ginger, Black Pepper, Turmeric and Curry powders, on a large scale basis.

These spices are ground in a two / three stage operation, depending on the fineness desired, i.e. The breaking of the spice in a large hole screen for the first operation, and the subsequent fine grinding done in a fine hole screen for the second and third operation.

	Size of Machine	HP Required	Blower HP	Output/ hour
1	DPHM 10 - Hammer Mill	10 HP	-	45- 50 kg
2	DPHM 20 - Hammer Mill	20 HP	-	90- 100 kg
3	DPHM 40 - Hammer Mill	40 HP	-	175- 200 kg
4	DPHM 50 - Hammer Mill	50 HP	7.5 HP	300- 350 kg
5	DPHM 80 - Hammer Mill	80 HP	10 HP	450- 500 kg



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3. DP Impact Pulveriser

The DP Impact Pulveriser is an all-in-one medium speed screen-less hammer mill that combines feeding, grinding and air classifying into a single compact unit. It is suited to grind down to medium fineness but the adjustable nature of the whizzer classifier allows for ranges right from 60 mesh down to 300 mesh for many different materials.

It has been designed to operate well in harsh environments and at continuous duty. It has a tough built and its versatile feature makes it suitable for grinding a plethora of different materials. The entire mill is driven by a single motor. The number of hammers mounted on the rotor can be changed depending on the type of material and desired output. The flexibility of the adjustable gap between the whizzer classifier and the whizzer cone enables precise control of the required output particle size. This allows the same mill to deliver coarse granulation or fine grinding as required with a simple whizzer classifier gap adjustment. The presence of an impeller on the common shaft eliminates the need for an additional external fan for pneumatic conveying of the material out of the grinding chamber



D.P. 42 IMPACT PULVERISER WITH
D.P.V.S. - 1200 VIBRO SIFTER

DP Impact Pulveriser (screen less type) is for the grinding of Turmeric, Pepper in one operation

	Size of Machine	HP Required	Output/ hour
1	DPIP 20 - Impact Pulveriser	20 HP	90- 100 kg
2	DPIP 25 - Impact Pulveriser	40 HP	225- 250 kg
3	DPIP 32 - Impact Pulveriser	50 HP	350- 375 kg
4	DPIP 42 - Impact Pulveriser	100 HP	875- 900 kg