



Shreeji Technical Services

# Delumper



## Delumper

Delumper has been specially designed for depluming & cutting various materials like foodstuffs, agro ayurvedic herbs, etc. into small pieces of required size with minimum of powder content. There is no heat generation while grinding thereby retaining important properties like aroma, taste, flavor & Colour. For Special applications are making crushed chillies for pizza toppings, chopped / minced / granulated onions, tea-cut senna leaves, granulating of food colours, gum, asafetida, crushing of various ayurvedic etc.

Model	DL - 200	DL - 300	DL - 500
Motor H.P.	2.3	5	7.5
Feed Size Permissible	-25 mm	-50 mm	-75 mm
Fines Achieve	less than -10 mm to 2 mm		
Capacity (Kgs/Hr.)	100 - 300	300 - 1000	1000 - 3000

## Hammer Crusher

The most versatile machine that is used to grind almost all types of materials like spices, foodstuffs, chemicals, ayurvedic herbals, minerals and other miscellaneous materials. The grinding takes place between the high speed swinging hammers and top / side liners. Once the particle size reduces to that of the perforated / bar type screen at the bottom. It will be discharged through the hopper. The fineness of the material can be controlled by changing the speed of rotor (hammer), content of serrations on liners, numbers of hammers and diameter of perforations on the screen.

Model	HC - 01	HC - 03	HC - 05	HC - 06	HC - 07
Motor H.P.	7.5 to 10	20 - 30	40 - 50	60 - 75	100 - 150
Feed Size Permissible	15 - 30	30 - 50	50 mm	50 mm	50 mm
Fines Achieve	4 - 60 mash BSS & Finer				
Capacity (Kgs/Hr.)	100 - 200	400 - 600	1200 - 2000	2000 - 4000	4000 - 8000



# Pin Pulveriser



## Pin Pulveriser

This machine is used for very soft materials like sugar, salts chemicals, dyestuff etc. for medium fine to fine grinding. The material is centrally fed into the machine chamber. The grinding takes place between a high - speed rotor consisting of a large number of pins and a stationery stator. The discharge takes place through the perforated screen at the bottom. The chamber is kept cool by circulating cool water through the built - in water jacket.

Model	PP - 300	PP - 450	PP - 600
Motor H.P.	10 - 15	20 - 30	40 - 60
Feed Size Permissible	10	10	10
Fines Achieve	30 to 150 mash BSS & Finer		
Capacity (Kgs/Hr.)	100 - 300	300 - 1000	1000 - 3000



# Micro Pulveriser

## Micro Pulveriser

Micro Pulveriser is utilized for soft materials like chemicals, dyestuff, foodstuff, pharma bulk drugs etc. for the grinding. Since the machine is used vastly for chemicals & bulk drugs, and other heat sensitive materials, it has built-in water jacket to control the temperature in the grinding chamber. The grinding takes place through attrition between the high speed swinging hammers and serrated liners. Due to very high speed and a smaller chamber size, a higher fineness is achieved as compared to hammer mill.

Model	MP - 01	MP - 02	MP - 03	MP - 05
Motor H.P.	5 - 7.5	10 - 20	30 - 40	50 - 60
Feed Size Permissible	6	6	6	6
Fines Achieve	100 to 300 mash BSS			
Capacity (Kgs/Hr.)	75 - 100	150 - 200	300 - 800	1000 - 2500

## Ultra Fine Mill

This is a screenless pulveriser used for grinding soft to medium hard materials into super-fine powder. The Machine has a built-in water jacket to keep down the temperature in the machine chamber. This machine is generally used for super fine grinding of food dyes, industrial dyes, vat dyes, dyes intermediates, pharam drugs, chemicals etc. The feed is through a feeder screw that feeds material centrally into the machine chamber. The grinding takes place due to attrition between a high speed rotating rotor having six arms with wear resistant tips and side liners on both side of the tips of the tip and also a turbo effect. Hence this machine is sometimes referred to Turbo Mill. The annular gap plate controls the flow of materials through the mill. In other words it regulates the fineness of the materials. The powder is discharged through the bottom hopper.

Model	UFM - 300	UFM - 400	UFM - 600
Motor H.P.	10	20	40
Feed Size Permissible	less than 1 mm		
Fines Achieve	200 to 400msh Bss & finer		
Capacity (Kgs/Hr.)	50 to 150	150 to 300	300-600

# Ultra Fine Mill



# Plastic Grinding Mill



## Plastic Grinding Mill

Plastic Grinding Mill (Screen Type) a system ideally suitable for economical grinding of granules, pellets or pre-cuts Heat sensitive, elastic and tough materials are handled with ease for excellent powder characteristics to suit ultimate processes. "results, with increased surface area, higher bulk density and better dispersion quality. Such powders are in use for Master Batch, In-Housing recycling, Rotational & injection Moulding, Textile / Micro-dot coating & Hot-Dip, wire coating and many more applications. Unique auto servo control to monitor feed rate sensing temperature & current, Material is prefer between serrated rotor & liner screen controls the particle size. Cool grinding operation and short residence time optimizes productivity and system efficiency. coarse to medium fine powders (16 Mesh Bss to 85 mesh BSS) in single stage system and fine powders (52 Mesh BSS to 150 Mesh Bss) in two stage system, with capacities in the range of 20 - 300 Kgs/hour, depending upon material type, its grade and MFI, with narrow particle size distribution and good flowability. Applications catered in general are PE, PVC, PC, EVAUHMWPE, SAN, ABS etc.

Model	PGM-300	PGM-450	PGM-600
Motor H.P.	10-15	20-30	40-60
Feed Size Permissible	-6mm	-6mm	-6mm
Fines Achieve	16 to 85msh Bss & Finer		
Capacity (Kgs/Hr.)	20 - 90	30 -150	80 - 300

# Air Swept Mill



## Air Swept Mill

Air Swept Mill is a screen less pulverizes mainly use for fine pulverizing of materials properties likes soft and medium hard, by select the special grinding will help to Achieve Fines Air swept Mill for different Application, and for heat sensitive material Also can be provide a water cooling jacket on a Mill, Function of Air Swept Mills is The material is moving n chamber and its beating by Hammers and material is retain by specialize design wizards type plate, materials to be suction by inbuilt blower unit and material convey through pneumatic conveying system, additional feature with Air swept Mill can incorporate open type, closed type and pulse Air jet type Dust collector. STS Air Swept Mill using for Application. Limestone, various Minerals, chemicals, pigment, Herbs & Roots, Foodstuff and many more

Model	ASM-10	ASM-15	ASM-25	ASM-40	ASM-100
Motor H.P.	10	15 - 20	25 - 30	40 - 60	75 - 100
Feed Size Permissible	10 mm	15-20 mm	25-40 mm	25-50 mm	50-75 mm
Fines Achieve	150 to 400 mesh BSS				
Capacity (Kgs/Hr.)	100 - 125	175 - 200	650 - 750	1000 - 2000	1200 - 3000

## Air Classifier Mill

Air Classifier Mill is grinding, classifying conveying and collection system, in Air classifier Mill achievable fines up to 5 to 8 Microns, particle distribution is in narrow Range, for Dust free operation provision of pneumatic conveying System with closed type reverses pulse Air jet Dust collector, For control of classifier a provision of variable speed drive with control panel STS. Air classifier Mill using for Application, chemicals, various Minerals, Food colors pigments, pesticide, soya Flour, Food stuff plastics and many more.

Model	ACM - 10	ACM - 20	ACM - 30	ACM - 60
Motor H.P.	10	15 - 20	25 - 30	50 - 60
Feed Size Permissible	44 to 6mm	4 to 6mm	6 to 8mm	8 to 10mm
Fines Achieve	150 to 500 BSS MESH			
Capacity (Kgs/Hr.)	80 - 150	100 - 300	300 - 800	800 - 12000



## Mineral Grinding Plant

Air classification is the process of separation of particles with the setting of velocity of Air classifier are used to separate Dry material into different particles with the setting of velocity of Air, Air classifier are used to separated Dry material into different particles. The efficiency of Air classifier is depend on material Size, shape, & Bulk density of products. Air classifier classifying fine and very fine powder in the particles range of 100 to 400 Mesh BSS and 400 to 5 Microns Air classifying where mechanical sieving is not possible. STS Air classifier using for application. Cement, Limestone, various Minerals, chemicals, pigments, pesticides, Food stuff and many more.



# Mineral Grinding Plant

### Rotary Air Lock Valve

'STS' Rotary Air Lock Valve for discharge by powder, solids and Granules. Uniform discharge or Regulate Feed Rote From Silo. Designed to place between different pressure system. It is also useful to feed material into pneumatic system minimum air leakage.

Material is received from top in Rotary Air Lock Valve fills volume between and discharge at bottom side. Material is discharge without air leakage. It directly on bottom flange of silo of outlet spout.

Rotary Air Lock Valve consists flange mounting type housing, Rotor and Rotor shaft fitted inside housing. Rotor rotates in bush bearings. Stuffing box with gland packing both sides to prevent material leakage. Rotor is driven By Geared motor and chain.

Model	RAVL-150	RALV-200	RALV-250	RALV-300
Motor H.P.	0.5	1 HP	1.5	2.0
Capacity (Kgs/Hr.)	50 - 400	400 - 1000	500 - 3000	2000 - 6000



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