

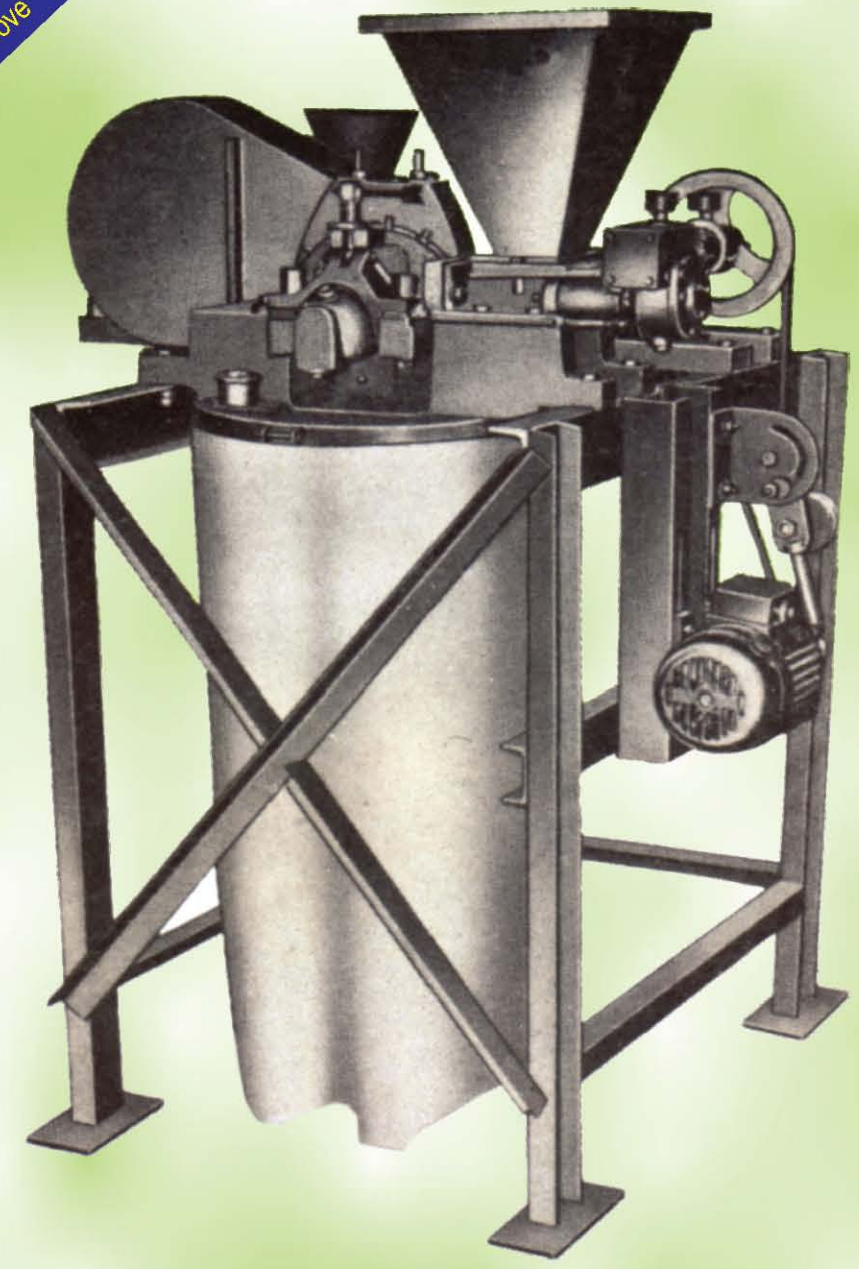


Fineness is not just a chance with the "PREMIUM" pulverisers - it is an intrinsic design of the equipment.

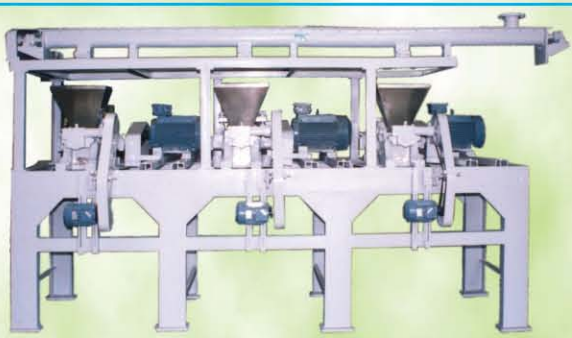
PREMIUM MICRO PULVERISER

SWING HAMMER TYPE PULVERISER

200 Mesh
(75 Micron) & above

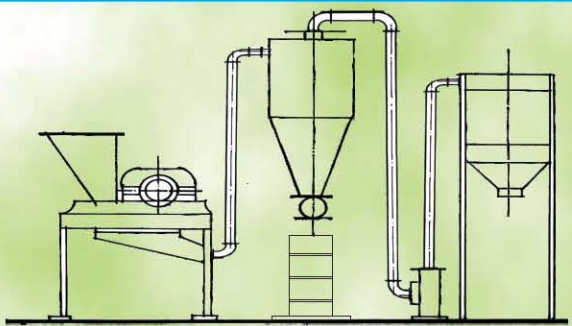


More than 500
Pulverisers in
Operation

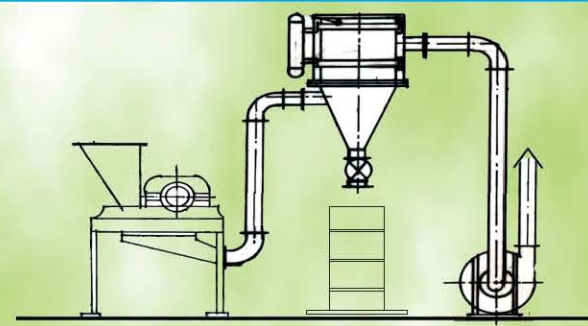


MULTIPLE MICRO PULVERISERS IN SERIES WITH SCREW FEEDER

COLD WATER CIRCULATION SYSTEM INSTALLED WITH BABY MICRO PULVERISER



PREMIUM MICRO PULVERISERS WITH PNEUMATIC CONVEYING SYSTEM (STANDARD)



PREMIUM MICRO PULVERISERS WITH REVERSE PULSE AIR JET DUST COLLECTOR



LOTS OF BABY MICRO PULVERISERS MANUFACTURED FOR THE SINGARENI COLLIERIES CO. LTD. KOTHAGUDEM (A. P.)



DEMONSTRATION - TRIAL ROOM FACILITY With all Accessories :

1. All Types (12 Nos.) of PULVERISERS installed.
2. Different types of PULLEYS, SCREEN, GAP PLATES AND GRINDING ELEMENTS kept to conduct TRIALS on customer's materials.
3. TEST SIEVES, scientific WEIGHING facility available for SIEVE ANALYSIS for DRY as well as WET SIEVE TESTING.
4. More than 500 material samples and 4000 DATA available for REFERENCE.

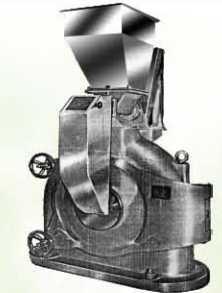
OUR OTHER RANGE OF PULVERISERS WITH SCREEN



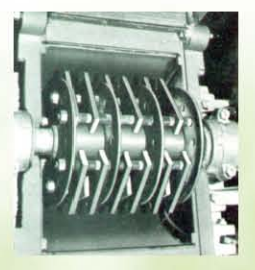
Miracle Mill



Pin Mill



Universal Mill



Pre Cutter / Chopper

Manufactured By:

PREMIUM PULMAN PVT LTD

2009, Phase IV, GIDC, Industrial Estate, Vatva, Ahmedabad - 382 445. INDIA

Phone: 079-25894693, 25832541. Fax: 91-79-25830965.

E-mail: exports@premiumpulverisers.com / exports@premiumpulverizers.com

Visit us: www.premiumpulverisers.com / www.premiumpulverizers.com

PROFESSIONALS IN SIZE REDUCTION TECHNOLOGY



PREMIUM MICRO PULVERISER FOR PULVERISING WIDE VARIETIES OF MATERIALS

- | | | | |
|----------------------------|-------------------------------|---------------------|-------------------|
| ▲ Ayurvedic Products | ▲ Ferrous sulphate | ▲ Ores & Minerals | ▲ Sodium |
| ▲ Bakelite Sodium Alginate | ▲ Fertilisers | ▲ Oyster Shells | ▲ Sodium Alginate |
| ▲ Besan | ▲ Food stuffs & Gram Flour | ▲ Paints & Pigments | ▲ Soft Metals |
| ▲ Carbon Powder | ▲ Guar Gum | ▲ Pharmaceuticals | ▲ Spices |
| ▲ Casein | ▲ H.Acid | ▲ Plastic Films | ▲ Starch |
| ▲ Ceramic Powder | ▲ Insecticides and Pesticides | ▲ Resin | ▲ Sugar |
| ▲ Ceramic Colour | ▲ Isabgol | ▲ Salt | ▲ Tea |
| ▲ Chemical & Dye Stuff | ▲ Metallic compound | ▲ Saw dust | ▲ Textile |
| ▲ Coal | ▲ Naphthalene | ▲ Sea Food | ▲ Turmeric |
| ▲ Confectioneries | ▲ Nilgiri | ▲ Sintered PVC | ▲ Wheat |

IMPORTANT TECHNICAL INFORMATION

PREMIUM Micro Pulverizer is a high efficiency, economical unit designed for dry or wet grinding to any specified fineness upto 250 mesh as well as for smooth blending operations. It is a close clearance, high speed, compact hammer mill ideal for grinding a wide range abrasive, nonabrasive and fibrous materials.

COMPACT RUGGED DESIGN

Each part is precisely engineered from quality materials and the unit is assembled with remarkable compactness to save space. The perfect balancing of moving parts effects considerable saving in power consumption. Rugged Construction ensures long years of efficient service, and results in very low maintenance cost.

CONSISTENT ACCURACY

The grinding operation being entirely mechanical, each of the factors contributing to the fineness of the finished product, could be effectively controlled. This provides remarkable accuracy of mesh control and homogeneous blending. Precise specified fineness and homogeneity can be achieved consistently for during production.



CROSS SECTION OF MICRO PULVERISER PMP-II



RETAINING SCREEN REPLACEABLE LINER
GRINDING ELEMENTS

FEEDING ARRANGEMENT

It consists of one or three screw type feeders of C.S coupled with suitable reduction gears for regulated feeding into the grinding chamber.

ROTOR ASSEMBLY

The rotor has best quality steel shaft fitted with M.S plates to accommodate the hammers and self aligning bearings. The hammers are made from forged mild steel, but can also be provided with forged S.S quality

NO AUXILIARIES REQUIRED

There is no need for costly auxiliaries such as fans, cyclones, dust collectors, air separators, classifiers etc

QUICK & EASY CLEANING

The Micro Pulverizer is specially designed to make all parts easily and quickly accessible for inspection and cleaning. The absence of elaborate auxiliaries also reduces cleaning time. Changeover from one feedstock to another can be affected with minimum delay.

GRINDING CHAMBER

Available in M.S or S.S construction, also M.S construction with S.S lining

REPLACEABLE LINER

A replaceable liner in M.S or S.S with multiple serrations, specially designed to minimize heat due to impact of the hammers on the material being pulverised.

RETAINING SCREEN

Made of M.S or S.S., the replaceable screens are available in various mesh sizes. Their function is to hold the material in the grinding chamber until the particles are ground to the required degree of fineness.

LEAK PROOF, DUST FREE OPERATION

Effective sealing is achieved due to perfectly machines components, adequate packing to absorb vibrations and provision of air release medium, ensures leak proof, dust free operation

WATER COOLING SYSTEM

A water cooling system for cool grinding is available

AIR BALLOON

This eliminates the back pressure and cools warm air circulating in the grinding chamber.

PNEUMATIC CONVEYING

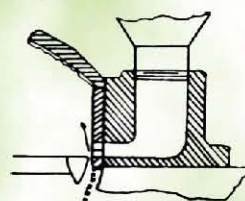
CUSTOM MADE ALTERATIONS

Bar type Hammers hinged to Rotor Assembly where a minimum fineness is desired.



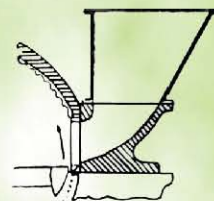
BAR TYPE HAMMERS

Funnels feed (gravity) Micro Pulverisers designed specifically for wet grinding.



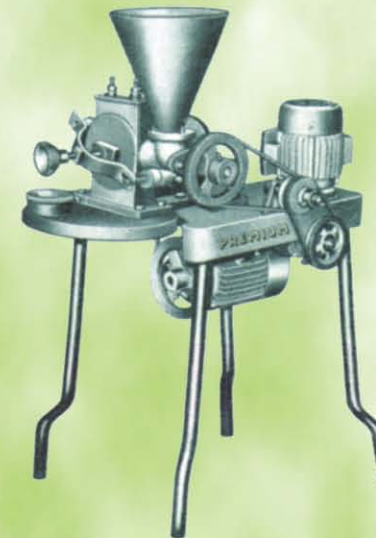
FUNNEL

Right angle suction feed provides maximum impact force for feeding light, fluffy materials.



RIGHT ANGLE SUCTION

PREMIUM BABY MICRO PULVERISER



- ▲ Rotor diameter - 125 mm
- ▲ No. of Hammers - 6
- ▲ Main drive 2 H.P
- ▲ Feeder drive 0.5 H.P
- ▲ Speed 7000 / 8500 rpm
- ▲ Capacity 15 / 20 kg/hr
- ▲ Also with manual feeding

Also in stainless steel construction

Besides the Standard Construction Baby model, we have developed a Stainless Steel model for special applications in Pharmaceutical and Food industry. It is also ideal as a pilot plant and is economically priced.

In this model, all grinding parts, grinding chamber and other parts, that come in contact with the material are made of stainless steel. At extra high speed, it can give extra fine mesh.

Baby model also can provided with COLD WATER CIRCULATION system in addition all special features stated.

PREMIUM LARGE SIZE MICRO PULVERISER



These **PULVERISER** are designed, manufactured and supplied in keeping the need of industry. Instead of installing number of pulverisers in **SERIES** with **COMMON FEEDING** and **COLLECTION**, industry had demand for **LARGE SIZE MICRO PULVERISERS** to economize on **MAN POWER AND SPACE** occupied for the purpose. They are made in **BIGGER SIZE DIA** and **WIDTH** of **GRINDING CHAMBER**. Size & the number of **SWING TYPE HAMMERS** are in cooperated to achieve **HIGHER OUTPUTS**.

These pulverisers are manufactured in standard **C.I./M.S** construction or can be given in Stainless Steel construction. To economize on cost, we offer pulverisers in S. S contact parts and S. S **WEAR** parts.

For **FEEDING** and **COLLECTION** of **PULVERISED** powders, mechanized systems can be provided. Pneumatic Collection System with cyclone collector and Fabric type Dust collector can be provided. For very **DUSTY**, **PUNGENT** and **EXPENSIVE FINE POWDERS**, collection system can be provided with **PULSE AIR JET** type **DUST COLLECTOR**.

TECHNICAL SPECIFICATIONS

Type/ Model	Rotor Diameter	No. of Hammers	H. P. Required		Speed of Main Drive	Capacity Kg / hr
			Feeder Drive	Main Drive		
PMP-I	200mm	6	1.0	5	6000 - 7000	100 - 150
PMP-I-B	200mm	12	1.0	7.5	6000 - 7000	150 - 200
PMP-II	300mm	24	1.0	10	5000 - 6000	200 - 250
PMP-III	300mm	48	1.0	20	5000 - 6000	300 - 400
PMP-IV	450mm	48	1.0	30	3000 - 4000	500 - 600
PMP-V	450mm	64	1.0	40	3000 - 4000	650 - 750
PMP-VI	600mm	96	1.0	60	2500 - 3000	800 - 1000
PMP-VI-B	600mm	120	1.0	75	2500 - 3000	1500 - 2500

Capacity depends on material characteristics and fineness expected

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT NOTICE FOR ANY ADDITIONAL IMPROVEMENT.