

INOVO





Company Profile

About Us

We are of the most trusted quality machinery manufacturer & exporter in India .we are having complete qualified technical team to give there best to our customers. We are engaged to provide best in service and quality products. Which make us differ from other

Manufacturing Facility

Inovo Engineering established on 2015 with pure vision , pure trust , pure relations and pure innovations. Company on 20000 sqft area for manufacturer facility and clean campus to giving beautiful work place. Our happiness and emotions are add to all product which we make. Any time any place service we promised to provide.

Our Vision

Pure Quality
Pure Trust
Pure Relationship
Transparency in everything we do.

Why we are ?

WE
PROMISE
NO COM-PROMISE
WITH
QUALITY

Our quality products are consisting of superior design and latest technology with high graded raw materials.

Benefits include:

Up to Double the production rate of similar size conventional water-cooled pulverizing systems

Lower operating costs through 50% energy savings

Lower-maintenance cost-and reduced transportation costs

2.5X extended disc life

Optimal finished material quality

INOVO pulverizers have a longstanding track record for producing consistently high-quality powders for rotomolding, extruding, mixing, recycling, and other processes. With state-of-the-art controls that ensure optimally high production rates, our pulverizers reduce the size of polyethylene, PVC, Nylon, PET, UHMW and many more. Developed by our engineers under intense factory and field-testing conditions, our equipment handles even the most demanding applications trouble-free.

Contact us to book a demonstration or to order your new pulverizer today.



Hammer Mill Pulveriser (INHM)



Salient Features

- 15 Models (Up to 200 HP)
 - Ideal for Pre-crushing & Coarse Grinding
 - 50 To 25,000 Kgs/Hr. Capacity
 - Cool Grinding
 - Low Power Consumption
 - 3 in 1 Unit (pulverizing, Sieving & Conveying)
 - Available with Negative Pressure System also.
 - Wet milling also available.
 - Grinding element in different shape to application.
 - Bottom Discharge Also
 - Side Screen Opening Also
 - With Star Type Hammer
 - M.O.C. In MS/SS
- **Hammer Mill** is an integrated, compact 3 – in – one unit, which executes three operations (i.e. Pulverising, Sieving & Collecting) with high degree of precision. It cool grinds anything grind able to a specified degree of fineness in one operation, using less power than a friction type grinder. Designed for high output, reliable performance and minimum of wear & tear, Hammer mill is a proven profitable proposition for your industry! – And there are 15 alternatives for you to choose from.
- Special Mills are designed for Rubber, Salt, Feed and Fibber operation.

Working of Hammer Mill

-  The material is fed in to the grinding chamber of the Hammer Mill where it is reduced in size by an army of mechanical hammers, which shatter the material to be ground in mid-air. The material is immediately reduced in size and is drawn out by a suction fan to a sieve located at the base of grinding chamber. The ground material is conveyed pneumatically to a cyclone collector where it is disengaged and collected.
-  Normally for Junior & Medium models a dust collector is not necessary. However, the requirement of dust collector depends upon the material to be pulverized. The Standard and Super models are generally used with dust collectors where fine dust particles are separated from air. Yet in some application, dust collectors may not be required, if the material to be ground does not generate very fine dust.

Junior Hammer Mill: -

Junior mills come in three sizes. This range delivers a most remarkable capacity. Considering the small power requirements on the lighter jobs such as pulverizing of drugs, chemicals, spices, Grains, Tea, Sugar, etc., the junior mill stands in a class by itself.

Medium Hammer Mill: -

Medium mills come in two sizes. This range is suitable for pulverizing tea dust, cattle feed, chicken feed, fish meal, spices, lentils, spices, lentils, agricultural products, pharmaceutical products, fertilizers, chemicals, minerals and also for variety of similar substances.

Standard Hammer Mill: -

Standard series Hammer Mills are most popular among all series. The capacity of Mills is very much as required in the industry. The power consumption, output and space required of mills of this series is found very adequate and acceptable in industry.

Standard series Mills come in THREE MODELS that is STD-II, STD-III and STD-IV. These Mills have Co- axial Blower, Cyclone Collector and Fabric Bag Type Dust Collector as shown in the picture. Mills have Magnet fitted at the inlet to prevent iron particle to **enter into Mill, Hammer Mill Pulveriser, and Hammer Mill Manufacturer**. The outlet of Cyclone Collector can be provided with "Y" Piece to facilitate the collection of powdered material. For uniform and dust free collection Rotary Airlock Valve is fitted at the outlet of Cyclone Collector. Mill is mounted on common Base Frame which either is put on R.C.C. Foundation or Anti Vibration Pads.

MILLS are supplied with BOTTOM OPEN TYPE (B.O.T.) arrangement to be put in systems and have Mechanical Screw Conveyors at BOTTOM to convey discharged material into System.

Super Hammer Mill: -

Super Mills come in three sizes. This range has an extra heavy shaft for great overload capacities Designed for continuous heavy duty which gives uniform high-grade product with maximum output at lower cost. These heavy-duty mills are suitable for bulk production of variety of substances. These Mills have Co-axial Blower, Cyclone Collector and Fabric Bag Type Dust Collector.

Premium Hammer Mill: -

With our many years of experience in the field of manufacture of Pulverising equipment of different types to suit individual requirement, we have now designed and developed a special type Hammer Mill, for heavy duty service to Pulverise Cattle and Poultry Feed, which gives a production rate of 1 MT/Hr., 2 MT/Hr., 5 MT/Hr. and 10 MT/Hr. for material having Bulk Density of 0.6 gms. /cc.

The Mill can also be used for grinding other material, but capacity will differ depending upon type of material, its Bulk Density, feed size etc.

General Description: Material is fed into the grinding chamber where it is reduced in size by a set of Hammers which shatter, the material in mid-air. The material is immediately reduced in size and is drawn out from mill by a suction fan, through a sieve located at the base of the grinding chamber.

The suction fan (when ordered) is supplied separately and is connected to the mill outlet with suitable piping to convey the ground material pneumatically to a cyclone collector for collection of material.

Construction Details

- ✚ Drive is provided by a suitable HPx 2880 RPM squirrel cage induction motor (T.E.F.C. type) suitable for operation on 415 + 5% Volts, 3 Phase, 50 cycles, A.C. supply. The motor is directly coupled to the main rotor shaft through a flexible coupling.
- ✚ Body is of all steel robust construction and extreme care is taken while welding to prevent distortion.
- ✚ Rotor shaft is machined from Alloy Steel and is amply proportioned to resist torsion and bending. The shaft is mounted on double row self-aligning ball bearings.
- ✚ Grinding hammers are made from specially heat-treated alloy steel to give long wear life.
- ✚ Limit switch is provided to cut off power supply to the motor when the hinged section is opened for cleaning, maintenance or for changing the screen.
- ✚ Powerful permanent magnet is fitted near the inlet hopper to prevent iron particles from entering the grinding chamber.
- ✚ Grinding (Rasp) plate is of serrated construction and is made from alloy-steel, duly hardened for wear resistance.
- ✚ Common bed plate is provided for mill and motor to make a compact unit.
- ✚ Heavy duty vibration dampers can be supplied on request to avoid heavy duty foundations.
- ✚ **Feeding Arrangement: Hopper** is provided at the top for feeding material into the mill. This can be provided with a slide gate arrangement operated by a rack and pinion at extra cost.
- ✚ **Screens:** S. perforated screens fitted on frame and with 3mm dia. holes are fitted inside the mill and are easily removable. The screens are mounted on two M.S. Strips bent into semi-circular profile and are held in position by two spring steel strips which are wrapped around the screen and held down by clamping bolts.
- ✚ **Hammers (Beaters):** These are of 'M' type section for efficient grinding of animal feed and are made from hardened alloy steel. Two side of the hammers can be used for which two different mounting holes are provided, thereby increasing life by 100%.

Technical Specifications

Sizes	MODEL	H.P.	APPROX. CAPACITY (KG/HR.)
JUNIOR	INHM-JR	5 — 10	300 — 700
MEDIUM	INHM-MED	12.5 — 20	500 — 1250
STANDARD	INHM-STD	20 — 30	850 — 2000

Approved Applications

❖ ALFAFA HAY ALUM	❖ ASHES	❖ BAKELITE	❖ BEANS
❖ CAKE COTTON	❖ COFFEE	❖ DRIED BLOOD	❖ DRIED PELLINGS
❖ EPSOM SALTS	❖ FEED (ALL)	❖ FISH SCRAP	❖ GELATINE
❖ GRAIN (ALL)	❖ HAY (ALL)	❖ HERBS	❖ MAIZE
❖ SALT	❖ SUGAR	❖ TEA	❖ TOBACCO

 THANK YOU 

Worldwide Installations



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