

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.

Universal Mill Pulveriser (IUMS)



✿ Technical Specifications ✿

- ✚ This is a very common and standard Mill for grinding many materials. The grinding is affected in a highly turbulent air, starting from inside edge and ending on the outside edge of the grinding bars. Because of air intake and circulation during grinding the material does not get heated.
- ✚ The turbulent air carries the fines through the sieve opening. The mill has stator and rotor. The rotor is perfectly balanced. The stator is in drum form and has both liners which grind the material and sieve which permit the pulverised particles to escape out of grinding chambers.
- ✚ The material fed in the centre and discharged is from periphery. By varying the rpm of rotor and feed rate fineness and output are controlled.

✿ TECHNOLOGY ✿

- ✚ Universal mills to grind wide range of materials in desired particle size.
- ✚ THREE different types of BLAST ROTORS and Two different types of CLASSIFIER STATORS GRINDING cum SCREENING DRUMS give variety of END PRODUCTS.
- ✚ The BLAST ROTORS have STRAIGHTBAR OR INCLINED BAR OR PLATEBAR mechanism and are DYNAMICALLY BALANCED. The CLASSIFIER STATORS Drums are FULL SCREEN HALF SCREEN and HALF SERRATED GRINDING TRACK or THREE-QUARTER SCREEN and ONE QUARTER SERRATED GRINDING LINER.
- ✚ The GRINDING TOOLS are ALLOY STEEL and HARDENED ELEMENTS are FIXED on PERIPHERY OF BLAST ROTOR.
- ✚ The GRINDING TOOLS are ALLOY STEEL and HARDENED ELEMENTS are FIXED on PERIPHERY OF BLAST ROTOR.
- ✚ Similarly, CLASSIFIER STATORS SCREENS are FIXED in Mill Body to get desired degree of fine powder.

✿ METHODOLOGY OF OPERATION:

- ✚ The material to be ground is FED by Vibrating feeder from Hopper in to SPOUT of MILL. The Vibrating FEEDER has AC variable to control the FEED RATE. (option A)
- ✚ The material to be ground is FED by SCREW feeder from Hopper in to SPOUT of MILL. The SCREW FEEDER has AC variable Drive motor to control the FEED RATE. (option B)
- ✚ A MAGNET/ MAGNETIC GRILL is provided before SPOUT to stop any FERROUS particles from entering into Mill.
- ✚ The STRONG AIR SYSTEM along with FEED MATERIAL enters the GRINDING ZONE near the centre and CENTRIFUGAL FORCE takes material out words through PERFORATED CLASSIFIER RING. The AIR needs to be separated from MATERIAL to by proper ASPIRATION system.
- ✚ The FINENESS achieved will depend upon RAW MATERIAL, Type of ROTOR and STATOR and FEEDING and COLLECTION MECHANISM.

Junior Universal Mill

- These Mills have small diameter ranging from 160mm Dia. To 300mm Dia.

These Mills have either Feed Try or Feed Hopper and are mounted on cabinet or stand.

A provision for Air Balloon is provided for Air to escape. LAB Models are usually Cabinet Mounted on Rectangular Stand. These models are Bottom Open Type and Blast Rotor and Classifier Stator can be given in S.S. Construction.

Technically specification of these models is as under

TECHNICAL SPECIFICATIONS:

| Model | Rotor Dia. MM | H.P. | Capacity(Kg/Hr.) |
|---------------|---------------|------|------------------|
| INUM JR – 50 | 160 | 2.0 | 5-50 |
| INUM JR – 100 | 210 | 3.0 | 25-100 |
| INUM JR – 200 | 260 | 5.0 | 50-200 |
| INUM JR – 400 | 310 | 7.5 | 100-400 |

Specification and design are subject to change without notice for any additional improvement

Senior Universal Mill

- These mills are in BIGGER DIAMETER ranging from 500 mm dia. To 1000 mm dia., H.P. of main motor will depend upon model capacity, fineness of end products and type of material.

These Mills are provided with Screw Feeder for uniform and regulated flow and are suitable either for Mechanical Discharge / Conveying or PNEUMATIC CONVEYING depending upon this cyclone collector and Dust Collector and AIR Lock is provided for Dusty and Pungent material reverse Pulse Air Jet Dust Collector and aspiration system is recommended

Technical specification are as under

TECHNICAL SPECIFICATIONS:

| Model | Rotor Dia. MM | H.P. | Capacity(Kg/Hr.) |
|----------------|---------------|------|------------------|
| INUM SR – 200 | 480 | 15 | 200-400 |
| INUM SR – 400 | 625 | 25 | 400-600 |
| INUM SR – 600 | 750 | 50 | 600-800 |
| INUM SR – 800 | 900 | 75 | 800-1000 |
| INUM SR – 1000 | 1000 | 100 | 1000-2500 |

*Specification and design are subject to change without notice for any additional improvement

Applications: -

| | | | |
|---------------------|------------|-------------------|------------------------|
| ❖ Activated Carbon | ❖ Charcoal | ❖ Drugs | ❖ Flowers |
| ❖ Ayurvedic Herbs | ❖ Cork | ❖ Dye Concentrate | ❖ Gums |
| ❖ Anti-Biotics | ❖ Clays | ❖ Detergents | ❖ Gelatine |
| ❖ Adhesives | ❖ Coffee | ❖ Foods | ❖ In Organic Chemicals |
| ❖ Bakery Rejects | ❖ Cocoa | ❖ Fish meal | ❖ Iceolin |
| ❖ Minerals | ❖ Pigments | ❖ Pulses | ❖ Tapioca |
| ❖ Potters Materials | ❖ Plastics | ❖ Spices | ❖ Sugar |
| ❖ Paints | ❖ Polymers | ❖ Starch | ❖ Salt |
| ❖ Chalk | ❖ Gains | ❖ Pharmaceuticals | ❖ Talcum |
| ❖ Cosmetics | ❖ Grist | ❖ Pesticides | ❖ Many more |

 **THANK YOU** 

Worldwide Installations



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