

INOVO

  
**INOVO**  
*The Future of Innovation...*  
**ENGINEERING**







## 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

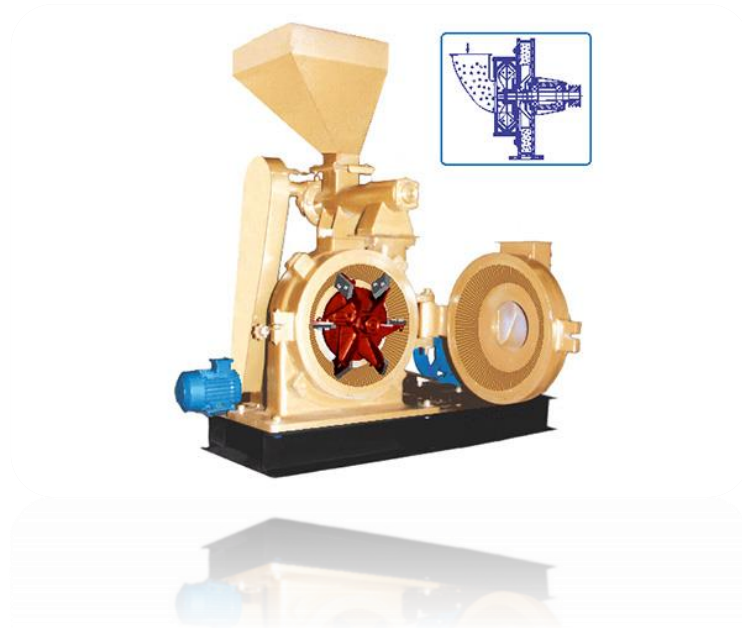
Optimal finished material quality

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.



# Turbo Classifier Mill (ITMS)



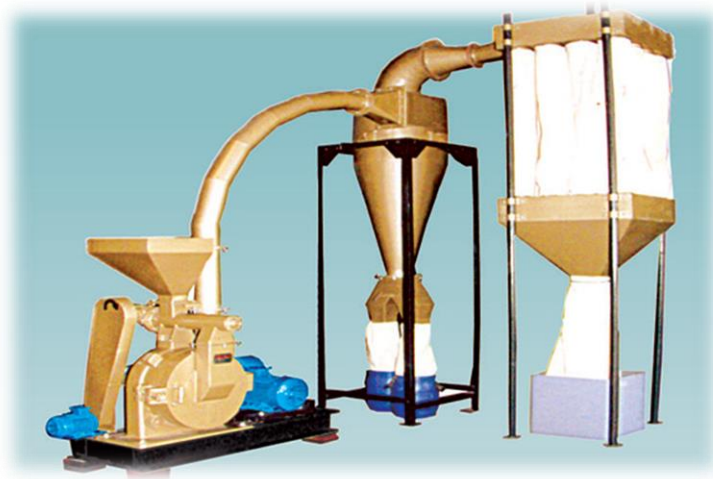
- Screen less grinding
- Easy adjustable classifier plate
- Cool grinding
- High degree of fineness
- Grinding, classification & Conveying in one operation
- Sharp & narrow particle distribution
- Wide range of applications

## ✿ With Gravity Discharge (B.Q.T.) ✿

Lab model is compact and with 5H.P. Motor is manually fed and have bottom open gravity discharge. This machine is ideal for small batch production.

- Model - PTCM - 5 (Baby)
- Rotor dia. - 200 mm
- Motor H.P. – 5
- Capacity - 20-25 kg/hr.
- Space required - 1700 x 500 x 2000 mm

## ✿ With Standard Dust Collection System ✿




- Standard installation is with mill having in-built classifier gap plate, fan, cyclone collector and fabric type dust collector with suitable stands. At the outlet of cyclone, y-piece or/and rotary airlock valve is provided depending upon the application and fineness of end product. For sticky and large size installation additional suction blower is recommended.

## ✿ Technical Specifications ✿

Model	Rotor Dia. MM	H.P.	Capacity (Kg/Hr.)
ITMS - 10	300	10	50 - 80
ITMS - 20	400	20	100 160
ITMS - 40	600	40	175 250
ITMS - 60	700	60	275 400
ITMS - 80	800	80	450 650

## Principal of Operation

 **Turbo Classifier Mill** is a fine grinding mill with integrated grinding, classifying, and conveying operations. Depending upon the material characteristics and parameters, output fineness can be anywhere between 200 mesh to 450 mesh. The equipment is a screen less pulverize. The equipment operates on principle of spiral classifications. The main shaft carries the rotor & blower fan. It has an adjustable gap plate. The blower fan sucks the air from grinding chamber, and discharges the air and product to cyclone where the product is collected. The gap plate adjustment alters the amount of air flow which results in withdraw from grinding chamber. Once gap plate is adjusted, output fineness is uniform. The equipment is recommended for soft and brittle material having MOH hardness up to 3. The feed size should not exceed 6 mm.

## Approved Applications

❖ Ayurvedic Herbs	❖ Fibre Opening	❖ Jeera	❖ Red Oxide
❖ Broken Biscuit	❖ Fish Feed	❖ Milk Powder	❖ Salt
❖ Catalysts	❖ Flourcent Powder	❖ Neem Seed	❖ Spices (chilly)
❖ Cellulose	❖ Gelatin	❖ Peracitamol	❖ Sugar
❖ Chemical	❖ Glucose	❖ Pesticide	❖ Tea (waste)
❖ China Clay	❖ Gram Dal	❖ Phenolic Resin	❖ Turmeric
❖ Diorok Powder	❖ Green Pigment	❖ Pottasium Carbonate	❖ Udad Dal
❖ Dyes & Intermediates	❖ Ibuprufen	❖ Ppt Silica	❖ Ultra – Marine Blue

## Construction Details

### **ROTOR ASSEMBLY: WITH MULTI EDGED BEATERS**

This assembly consists of multi edged beaters mounted on rotor which is dynamically balanced. The complete assembly is secured to the grinding chamber with bearing housing. All bearings are lubricated & are protected against any leakage of ground product, dirt & moisture by means of a special sealing ring. The assembly is driven by Vee belt pulley.

### **CONICAL LINERS:**

This machined serrated conical liners are mounted inside the body & door. This gives more grinding area as compared to straight liners. These are easy to replace which reduces down time. Fine grinding can be achieved by shear, turbulence & impact between liners & beaters.

#### CLASSIFIER PLATE (GAP PLATE)

By Using Different Gap Plates, The Amount of Flow Will Change (Either Increase or Decrease). Due to This Fineness Will Be Adjusted. For Many Applications, Mill Can Run Without Gap Plate.

### **WATER COOLING JACKET ARRANGEMENT:**

Due to high air flow in the grinding chamber grinding occurs in cool condition. If necessary (for heat sensitive material) in built water cooling system can be utilised as equipment comprises with water cooling jacket arrangement.

### **DRIVES:**

All driven motors are fixed to the base frame having slide rails and are easily adjustable. Power is transmitted by v-belts & pulleys. Tip speed can be varied by help of A. C. Variable drive, which is provided as optional accessory. To precisely control the feed variable feed drive can be provided as optional.

 **THANK YOU** 

## Worldwide Installations



📍 Plot No. 7/8, Opp. Narmada Canal, Naroda  
Dehegam Road, Zak GIDC.-302010.

✉ Email : [info@inovoengineering.com](mailto:info@inovoengineering.com)

🌐 [www.inovoengineering.com](http://www.inovoengineering.com)

☎ +91-9033344513, +91-7698989394