



**Technology &  
Business Intellectual**



**Classifier**

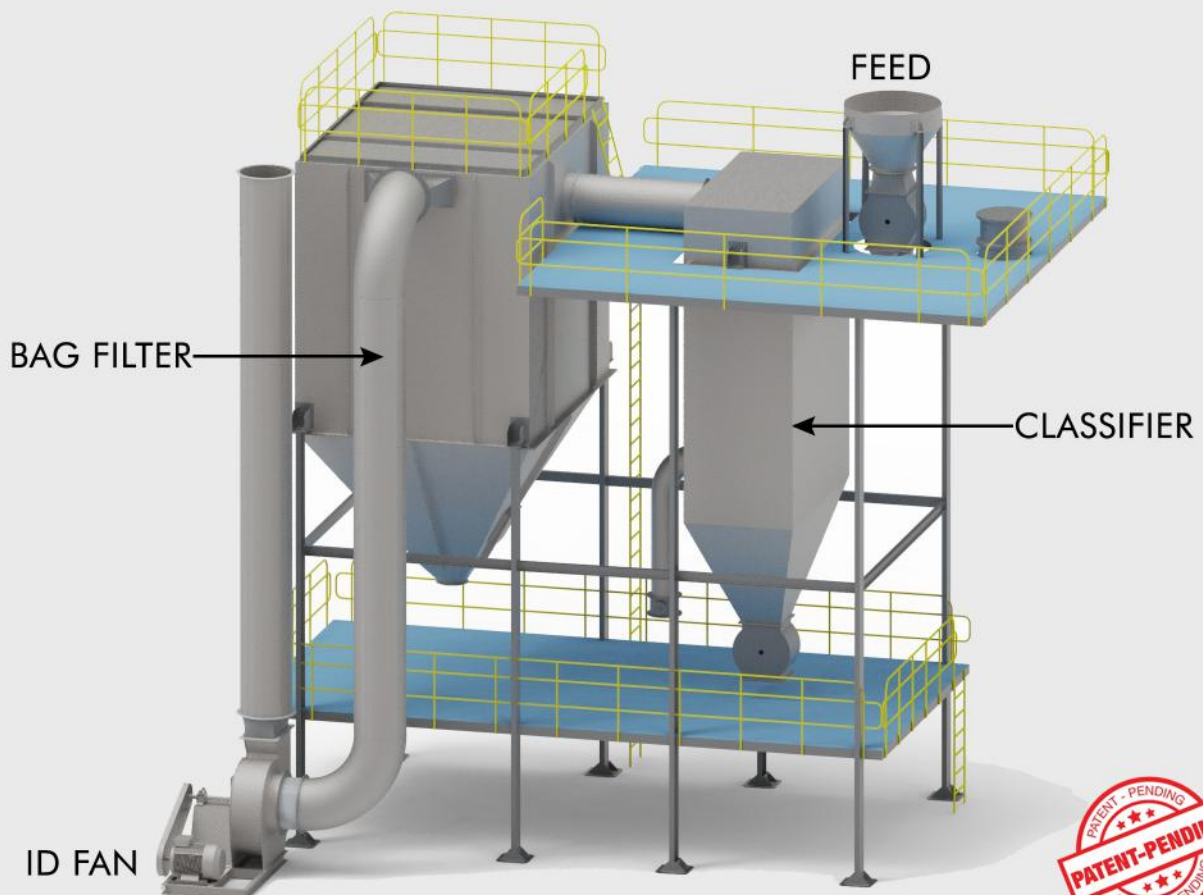
# Classifiers



TNBi offers a comprehensive range of classification solutions to meet particle sizing requirement.

Material enters in classifier with high velocity, to separates particles at cut point 2 to 300 micron. TNBi classifier consist with secondary air arrangement to separate the particle to customer requirement.

Capacity - 100 Kg/Hour to 300 Tons/Hour



## Working Principle

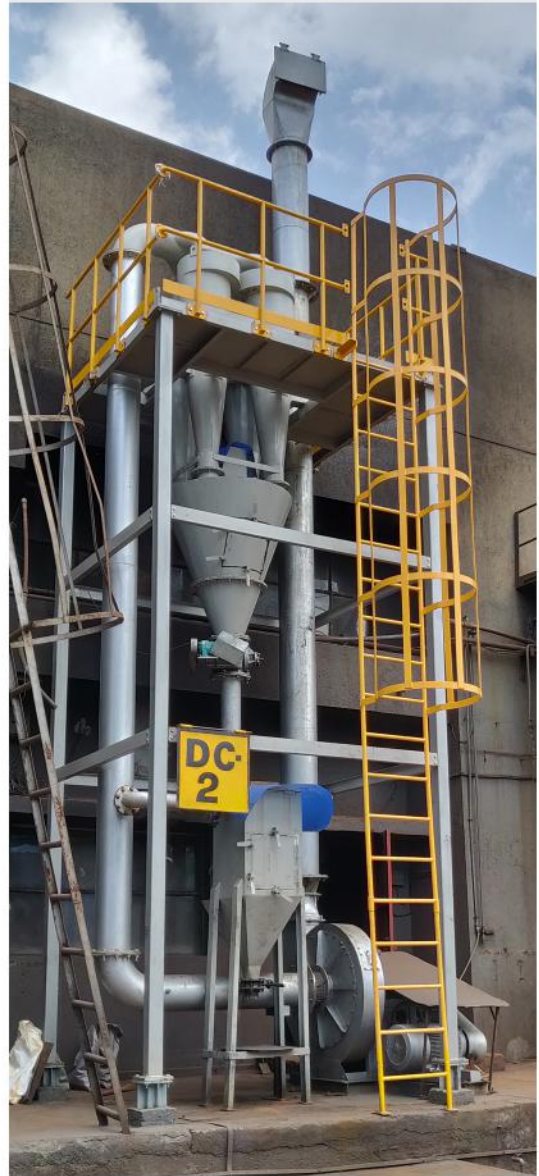
- Gas along with Powder enters in classifier.
- Smaller particles gets separated due to centrifugal force.
- The fine-tuning in particles separation is done using secondary air.
- Coarse particles gets collected at bottom of classifier
- Fine separated particles leaves classifier and can be collected in Cyclone and/or bag filter.

## Advantages

- High Reliability – Constant product output
- No moving parts, No wear & tear
- Low operating cost
- Low Installation Cost
- Easy adjustment for separation efficiency
- Can be installed in Series
- Low maintenance cost
- Spare parts not required
- Can handle combustible dust
- Low choking issues
- Can be installed in process line.

## Applications

- Mill / Grinder Outlet particle separation
- Powder Processing
- Fly Ash Classification
- Paint & Pigment
- Food & Pharma
- Sand Classification
- Powder Chemicals
- Spices
- Cement Classification
- Graphite
- Plastic Pellets
- Mining
- Metals Powder
- Fertilizer
- Granite
- Alumina
- Many More....



## OTHER PRODUCT LINE

Scrubber



Bag Filter



Cyclone



Centrifugal Blower



### **TNBi Industries Pvt. Ltd.**

**Office Address :** Office No. 1 & 5, 1st Floor, Kalashri Building, Nr. Meher Woolen, Karve Rd., Pune-411004, India

**Work Address :** Gat No 90, Jyotiba Nagar, Talawade Road, Talawade, Pune-411062 ,India

Call : +91 92255 61222

Email : pravind@tnbiindustries.com

Website : www.tnbiindustries.com