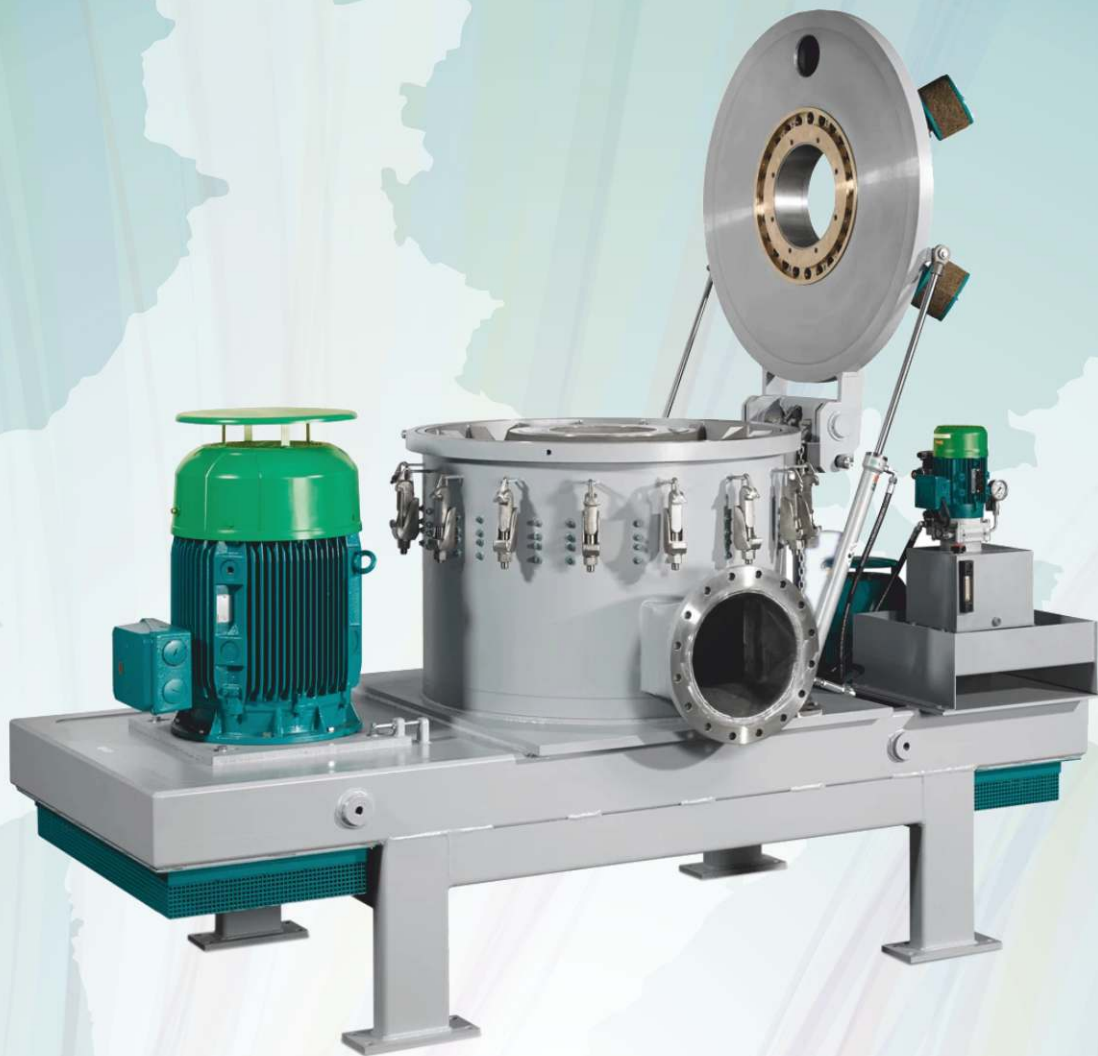


AIR CLASSIFYING MILL



The YAGNM Air classifier Mill (ACM) is an air classifying mill with integrated grinding, classifying, conveying, and collecting functions for achieving ultra-fine grinding (up to 2 micron*) based on the type of product

With an air classifying mill/ air classifier mill (ACM), hygroscopic, heat-sensitive and explosive materials can be ground in inert gas / closed loop systems using dry chilled air. To ensure uniformity and homogeneity, we engineered our classifiers to produce steep particle size distributions.

Air Classifier Mill (Screen less Equipment) is ideally designed for micro fine particle size. High air through put, unique multi-tip rotor and serrated liners create numerous air-whirls, turbulence and progressive grinding. The direction and speed of particle is suddenly changed within extremely short period, resulting into turbulent collision between particles. This ensures micronized fine & free-flowing product. Air classifier controls the top cut size and air classifier mill machines manufacturers, suppliers, exporters,



YagnmTM Industries Pvt. Ltd.

An ISO 9001 : 2015 Certified Company

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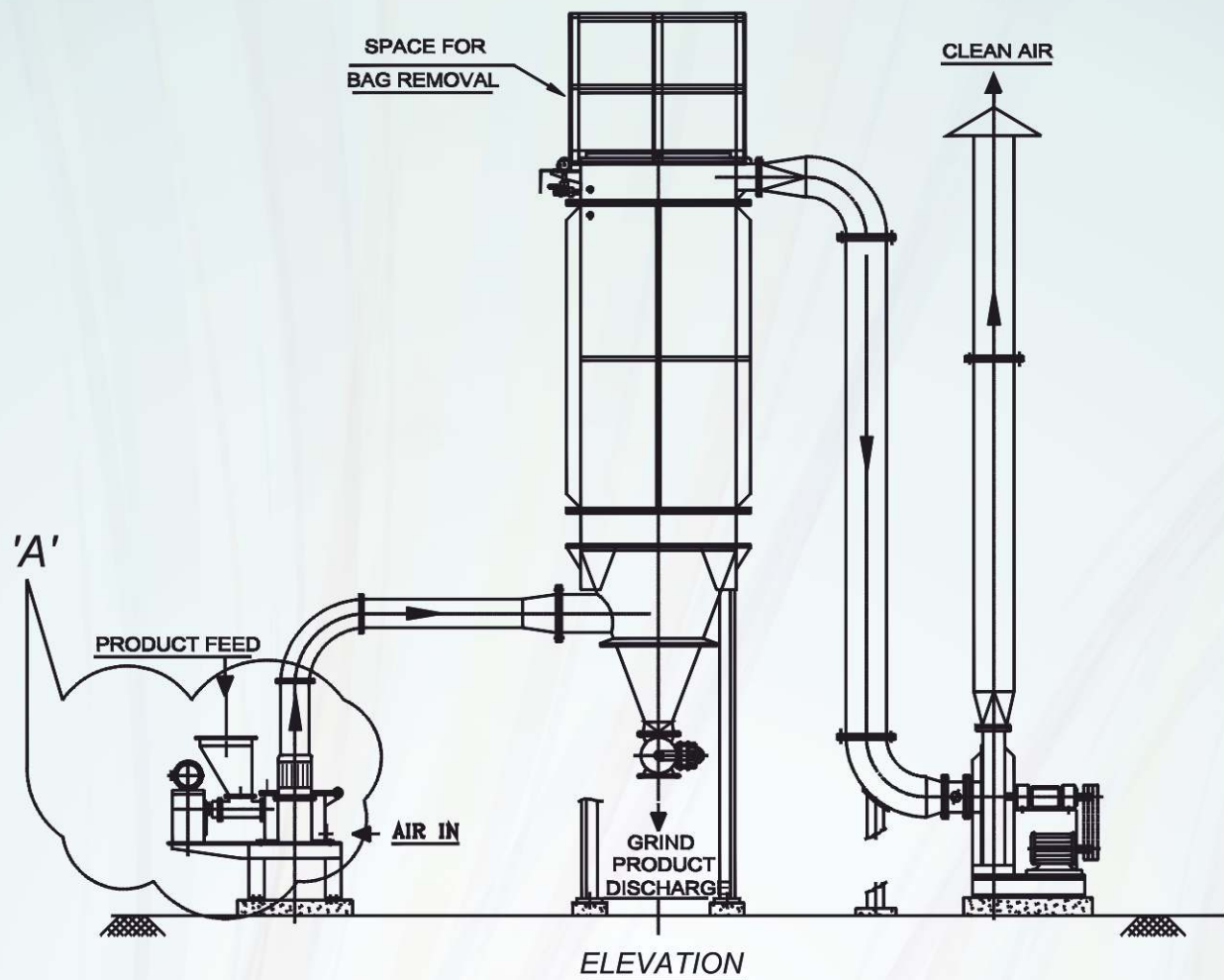
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AIR CLASSIFYING MILL



WORKING PRINCIPLE

A variable feed screw mechanism transports the material from the hopper to the grinding chamber. Grinder discs grind products when they come into contact with pins or bars. The particles are ejected by the ambient air stream into the shroud and entrained by a baffled air dispersion ring before being ejected into the separator assembly as the particles are reduced in size.

High-efficiency bag filters collect acceptable product from the exhaust. Particles that are too large are carried downwards by the circulating air stream and returned to the Rotor for further grinding.

| ACM Model | Main Motor HP | Rotor RPM | Classifier Motor HP | Classifier RPM |
|-----------|---------------|-----------|---------------------|----------------|
| ACM 5 | 5 | 9400 | 1 | 5400 |
| ACM 10 | 10 | 7000 | 1.5 | 5000 |
| ACM 30 | 30 | 4600 | 7.5 | 2500 |
| ACM 40 | 40 | 4000 | 10 | 2500 |
| ACM 60 | 60 | 3000 | 15 | 2000 |
| ACM 75 | 75 | 3500 | 15 | 3000 |
| ACM 100 | 100 | 3000 | 15 | 2000 |
| ACM 120 | 120 | 2200 | 20 | 1800 |
| ACM 150 | 150 | 2200 | 20 | 1800 |
| ACM 200 | 200 | 2200 | 30 | 1800 |