

JET MILL



Siddhi Pharma Equipment

Mfg. & Exp. Of Plants & Machineries for Pharmaceuticals,
Cosmetics, Chemicals food & Beverage Industries

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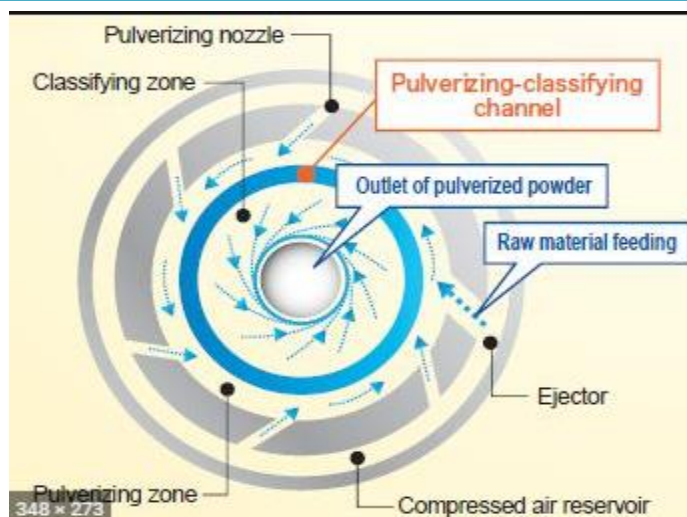
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Jet Mill :

Pulverization takes place in the central chamber of the jet energy mill as the process material is driven at near sonic velocity around the perimeter of the toroidal chamber by multiple jets of air or steam. No grinding media is involved. Size reduction is the result of the high-velocity collisions between particles of the process material itself. The interior of the chamber is designed to allow recirculation of over-sized particles, enhancing the incidence and the effect of these collisions. As particles are reduced in size and progressively lose mass, they naturally migrate toward the central discharge port, making precise classification both automatic and precisely controllable.

The process involves no moving parts or screens and is suitable for virtually any friable or crystalline materials, even materials that are very abrasive. And, since contamination can be avoided and no excess heat is produced, Micron-Master® jet pulverizers are suitable for materials that must remain ultra-pure and those that are heat sensitive. Even cryogenic applications can be accommodated. Further, by precise metering of the product input and air or steam velocity, highly predictable and repeatable graduation and classification of the finished particles is possible.



Advantageous \ Benefits :

- It has a wide range of use including combination of slurry- fluid materials.
- No pressure is required for ionization.
- The machine is simply constructed.
- It can be easily adjusted.
- Colloid mill is easy to clean after use
- The machine is self-draining.
- High capacity and minimal requirements.
- Reduced wear as a result of the construction of the rotor-stator with toughened steel/corundum.
- Low machine noise level

Silent Features :

- Unique for small volume micronization.
- Modified design of stator-rotor assembly.
- Totally leak proof design.
- Easy to dismantle for cleaning and maintenance.
- Available in plain, water jacketed & flame proof options.

Technical Specification:

Machine Type	.CM-3 (V)	.CM-5(V)	.CM-3(V-DX)	.CM-5(V-DX)
Model	Vertical	Vertical	Vertical -Dx	Vertical -Dx
Output. Ltr/Hr.	145 to 1400	145 to 1400	145 to 1400	145 to 1400
Hopper Capacity	20 Liters	20 Liters	20 Liters	20 Liters
Motor Type	Vertical Flange Mounted	Vertical Flange Mounted	Vertical Flange Mounted	Vertical Flange Mounted
Motor	3 H.P. X 2850 RPM. A.C. Supply	5 H.P. X 2850 RPM A.C. Supply	3 H.P. X 2850 RPM A.C. Supply	5 H.P. X 2850 RPM A.C. Supply
Motor Coupling	Direct	Direct	Belt Driven	Belt Driven
Height (mm)	1035	1035	1035	1035
Floor space (mm)	450 x 750	450 x 750	365 x 720	365 x 720
Net Wt. (Approx)	145 kg	148 kg	160 kg	165 kg
Gros Wt. (Approx)	235 kg	238 kg	250 kg	255 kg

Single Source Provider for all your technical requirements.

One of the most important “Siddhi Pharma Equipment” guideline is to be closest to our Customers. We strive to create end-to-end solutions that meet our clients needs and their expectation.

Application :

- Pharmaceutical
- Food
- Chemical
- Cosmetics
- Allied Industry