



Cone Mill PCOM-250/500/750



Cone Mills used for achieving de-lumping, dispersion, De agglomeration, fine grinding, dry and wet milling uniform size reduction, sieving and mixing in the pharmaceutical, food, fine chemical, personal care and cosmetics industries.

The product is poured into the feed hopper of the Cone Mill. In the conical screen chamber, a rotating impeller imparts a vortex flow pattern to the in feed product. The product is forced outward to the screen surface by centrifugal acceleration, ensuring continuous delivery into the "action zone" between the screen and impeller. No heating of product during granulation / sizing operation, due to better air circulation and lesser impact action. In the "action zone" the material is uniformly sized and instantaneously passed tangentially through the screen openings. The finished product is discharged at the bottom of the milling chamber.

Salient Features:

- Design is cGMP - Current Good Manufacturing Practices compliance
- All Product contact parts AISI 316/ 316L & non-contact parts AISI 304.
- High speed milling, granulating, mixing and size reduction.
- Available in three model with different capacity for production scale.
- Uniform size reduction of wet material.
- Cone blade with cone type sieve for size reduction.
- AC frequency variable speed 100 to 1400 RPM.
- Easy removable contact parts for cleaning, inspection and easy Mobility.
- Various combinations of perforated sieves.

Optional Features:

- Belt less Drive
- Inline milling process with HSMG, FBD , Blender and Sifter
- Flame Proof electrical.

Safety Features:

- Limit switch at charging & Discharge hopper.
- Over load protection.

MODEL	PCOM-250	PCOM-500	PCOM-750
Output Kg / Hour	250 Kg / Hour	500 Kg / Hour	750 Kg / Hour
Rotor Drive	Belt	Belt	Belt
Rotor	Cone Type	Cone Type	Cone Type
Screen Span	250 mm	400 mm	520 mm
Electric Power	5 HP / 3.75 Kw	7.5 HP / 5.62 Kw	10 HP / 7.5 Kw
Speed	50 to 1400 RPM by VFD	50 to 1400 RPM by VFD	50 to 1400 RPM by VFD