

SENEER



Cone Mill

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CONE-MILL

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Table Lab Cone Mill

- Design Features ■
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Table Lab Cone Mill Design Features

- ◆ Design is cGMP - Current Good Manufacturing Practices compliance.
- ◆ All contact parts AISI 316L/316 & non-contact parts AISI 304.
- ◆ Indiscriminately granulation & fewer fines.
- ◆ Wet and dry materials size reduction.
- ◆ Easy transportability.



Table Lab Cone Mill Application & Process

- ◆ Table to Laboratory cone-mill is used for make a uniforms shape in pharmaceutical industry pharmacy colleges and R&D institutions and for research and development of pharmaceutical products food industry products, chemical industry products and cosmetic products.
- ◆ It is a self-contained portable unit useful for uniforms shape, mixing and size reduction. The Cone-mill operates on the principle of Rubbing force by cone blade and rotating within a selected cone screen to get the required size reduction.
- ◆ The material is fed in the hopper, shredded and milled through cone blade consisting of Cone Blade and Cone Sieve. The rotation speed and direction of cone blade could be adjusted through control panel. The material then passes in discharge hopper through the cone screen in gravity force which helps keeping the temperature low and avoids chocking of material during the process. The material is collected in the container placed under the hopper.
- ◆ In cone mill particle size reduction is done through rubbing of material by cone blades moving at high speeds, inside a cone sieve.



Table Lab Cone Mill Advantage

- ◆ Low maintenance
- ◆ Competitive price
- ◆ Low heat and dust
- ◆ AISI 316 for contact parts and non-contact sections use AISI 304
- ◆ Suitable for small spaces and is easy to store
- ◆ Suitable for use on tabletops with fixed support available

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Cone Mill PRODUCT

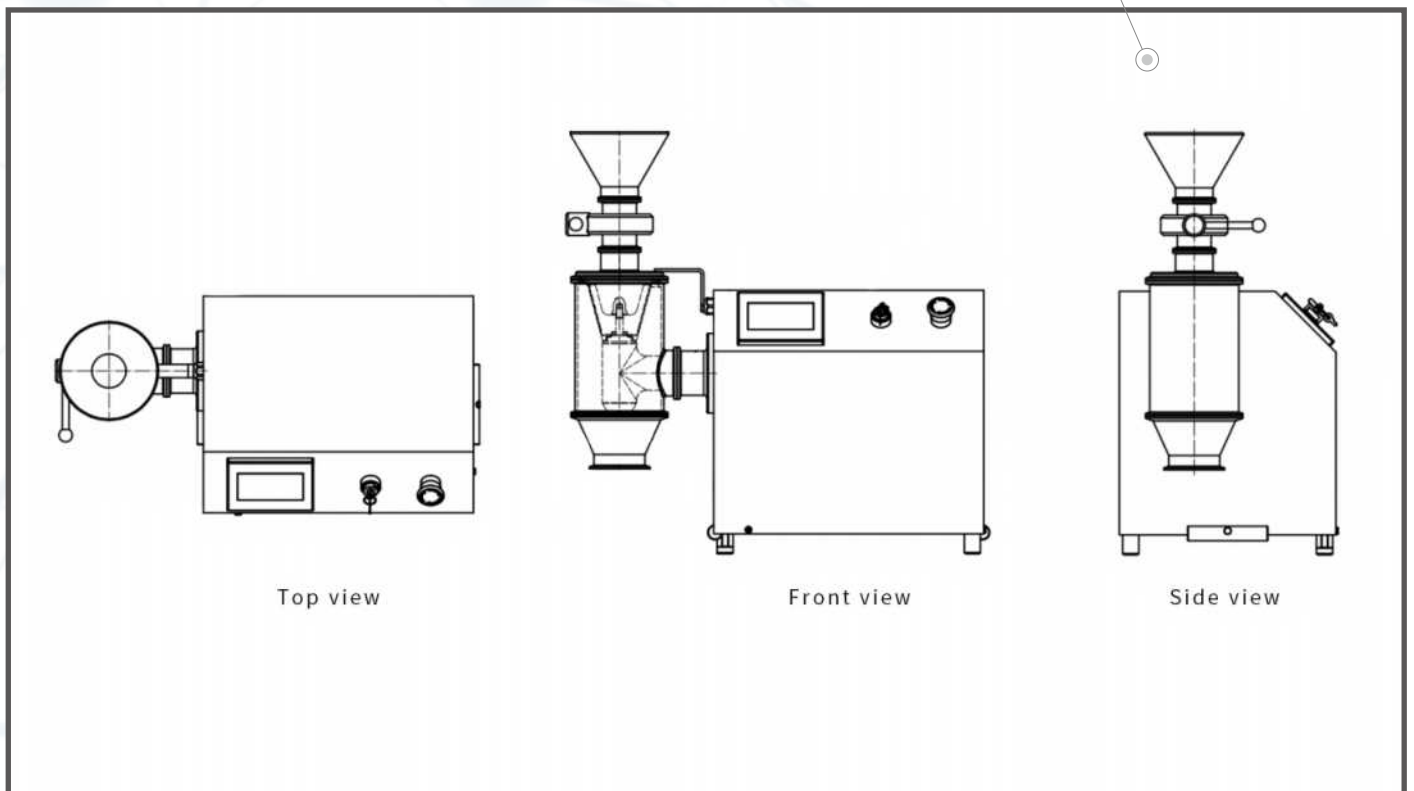


Table Lab Cone Mill Specification

Technical parameters

Model	MTMS25	
Mesh size	Round (Φmm)	Square (mm)
	0.5-3.0	3*3-10*10
Rotation speed(rpm)	0-3000	
Production capacity(kg/h)	02-50	
Power(kw)	0.75	

Note: Actual production capacity according to sieve size and material condition



Cone Mill

- Features & Benifits ■
- Function ■
- Advantage ■
- Optional Features ■
- Feeding Process ■
- Safety Features ■
- Specification ■

Cone Mill Features & Benefits



- ◆ Small space occupies
- ◆ Low weight, low noise
- ◆ De-agglomeration of agglomerates
- ◆ Different size sieves are interchangeable
- ◆ The roughness of the inner surface is less than 0.4μm
- ◆ Ideal to the FDA/cGMP standard
- ◆ All Product contact parts AISI 316/ 316L & non-contact parts AISI 304. And also, SS 303

Uniform size reduction of wet material and also dry material ◆

Easily removable contact parts for cleaning inspection and easy Mobility ◆

Easy operation, maintain and clean ◆

Sieve sizes are available for round (Φ0.5, Φ0.6, Φ0.8 Φ1.0, Φ1.2, Φ1.5, Φ1.8, Φ2.0, Φ2.5, Φ3.0) mm ◆

Sieve sizes are available for square (3*3, 4*4, 5*5, 8*8, 10*10) mm ◆

The process meets the dust-free production requirements ◆



Cone Mill Function

- ◆ Cone-mills is mainly used in pharmaceutical, chemical, food and health industries.
- ◆ A cone-mill is a machine used to reduce the size of material in a uniform manner.



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Cone Mill Advantage

- ◆ It increases the surface area of particles
- ◆ Promotes dosage uniformity
- ◆ Improves the formulation's dissolution rate and hence its absorption in the board.
- ◆ Boosts the bioavailability of the drug.
- ◆ Size reduction also improves the powder's flow, bulk density, and compactness.
- ◆ The sieves and the impeller can be changed easily and quickly.

- ◆ The cone shape makes it hard for the residual powder to build up.
- ◆ They have some of the lowest noise level and low heat generation.
- ◆ Their versatility makes them suited for many industrial size reduction processes.
- ◆ Gentle milling leading to a low fraction of fines.
- ◆ Hygienic, since they are easy to clean.
- ◆ Produce uniform particle sizes.
- ◆ Have high-hourly capacities.
- ◆ Less labor-intensive.

Cone Mill Optional Features

- ◆ Belt less Drive.
- ◆ Inline milling process with High share mixer for wet cone-mill.
- ◆ Inline vacuum transfer milling.
- ◆ Milling process with lifter.

Cone Mill Feeding Process

- ◆ Hand feeding.
- ◆ Vacuum feeding.
- ◆ Gravity feeding.

Cone Mill Safety Features

- ◆ Limit switch at charging & Discharge hopper.
- ◆ Over load protection.
- ◆ Flame Proof electrical.



Cone Mill Specification

Technical parameters

Model	MTM450		MTM700		MTM1000	
Mesh size	Round (Φmm)	Square (mm)	Round (Φmm)	Square (mm)	Round (Φmm)	Square (mm)
	0.5-3.0	3*3-10*10	0.5-3.0	3*3-10*10	0.5-3.0	3*3-10*10
Rotation speed(rpm)	300-940		300-940		300-940	
Production capacity(kg/h)	45-450		70-700		100-1000	
Power(kw)	2.2		3		3	

Note: Actual production capacity according to sieve size and material condition

