

## **SCM - Cone Mill**



Applications: SHAKTI High Tech Cone Screen Mill (Attachment) extremely reliable, perfect for even the most demanding of processing requirements in R & D. This Equipment balances performance with simplicity, to provide a solution that guarantees a high output but is easy to operate, clean and maintain. The Cone Mill is suited to dry, wet or fine milling in the pharmaceutical, food, chemical and consumer goods industries. The mill can easily be adapted for use on different products, simply by changing the granulating screen, presenting a cost-effective solution to your size reduction requirement. This equipment can be attached in our both Main Drive.

Method of Operation: Unprocessed material is loaded into the product Hopper of the Cone Mill by hand or gravity feed. The material then passes into the milling chamber where a rotating impeller forces the unprocessed material through a stationary cone-shaped screen by a vortex action. The material is instantly reduced in size as it passes through the holes in the screen.

By changing a combination of screen, impeller shape and speed, the finished milled particle size can be carefully controlled. Most important for hygienic requirements, such as those in pharmaceutical and food production, there is no metal-to-metal contact between the impeller and screen.

### **Applications:**

- Compact Design – Ideal for smaller Lab Areas.
- Low maintenance, easy-clean design.
- No metal-to-metal contact.
- Easy to attach SHAKTI Main drive unit.
- All the product contact parts are made from Stainless steel AISI 316.
- Non contact parts and outer surface made from stainless steel AISI 304.
- Achieve Uniform particle size quickly.

- Low Noise operation with low Heat and Dust.
- Easy changeable screens.
- Easy Clean Design.
- Sturdy GMP construction.

**Benefits:**

- High throughput for maximum productivity.
- Adaptable to various products for cost-effectiveness.
- Easy to operate & quick tooling change.
- Positive discharge system.
- Low heat, dust and noise generation for improved working environment.
- Very Low Noise Emissions.

**Multiple Applications:**

- Dry & Raw Material Milling & Grinding
- Dry & Wet Granulation sizing.
- Tablet & Capsule reclaim.
- Deagglomeration.
- Wet Material size Reduction.

**Technical Specifications:**

TYPE	DETAILS
OUT PUT CAPACITY	1 KG TO 10 KG/HR, DEPANDING UPON THE PRODUCT & THE REDUCTION REQUIRED IN SIZE
CHARGING HOPPER CAPACIATY	1 KG.
IMPELLAR SPEED RANGE	MIN 10 RPM & MAX. 1000 RPM
IMPELLER / SCREEN GAP	MINIMUM DISTANCE – NO ADJUSTMENT REQUIRE
MATERIAL OF CONSTRUCTION	CONTACT PART – AISI 316
	NON CONTACT PART – AISI 304
SURFACE FINISH	INSIDE CONTACT PART – MIRROR FINISH – 0.10 Micron
	OUT SIDE – MATT FINISH – 150 GRIT(1.06 Micron)
SURFACE FINISH	MIRROR FINISH – Ra 0.10 MICRON
	MATT FINISH - 150 GRIT
O RINGS, SEALS & GASKETS	AS PER GMP – FOOD GRADE TYPE
SS PERFORATED SCREEN SIZES [HOLES DIA IN MM]	1 MM TO 10 MM DIA HOLE
AT EXTRA COST	
Net Weight (kg.)	22 kg
Gross Weight (kg.)	40 kg