

## *Multi Mills*



Multi Mills are mostly used for wettings and drying granulations, pulverizations etc., in Pharmaceutical Industries, Chemical Industries, Cosmetic Industries, Ceramic Industries, Color Industries, Dyestuff Industries, Food product Industries etc. It also finds application in Pesticides, Fertilizers, Spices, Detergents, Insecticides, Plastics and Resins industries.

### **SPECIAL FEATURES:**

- All contact parts are made out of SS304 quality material (SS316 quality is optional)
- Sieves available in sizes of 0.5 to 12mm whole dia
- 12 nos. beaters with knife edges and impact edges & 02 nos. scrapper blades
- In GMP Model complete body clad with SS304 and polished to the matt finish & in Standard Model excluding product contact parts, all other parts made out of C.I. or M.S. and painted.
- Higher output with process uniformity
- All contact parts can easily be dismantled and cleaned for change of product
- Wide range of SS perforated screens available
- Reversible direction of blade rotation
- Different size of screen / speed / number of blade / direction of rotation of blade can be selected
- Beaters and scrapper blades made in stainless steel can be easily dismantled and cleaned
- Cylindrical screen for continuous output

- Mill with motor, electrical switchgear along with pillar are mounted on a base plate with castors for mobility
- Flame Proof electrical motor can be incorporated
- Designed for continuous operation
- Widely used for wet and dry granulation, pulverization, etc.
- D.O.L. starter provided with reversible switch
- Extra sieves available in sizes of 0.5 to 12 mm whole dia. made out of SS304 / SS316.
- Pharmaceuticals, Chemicals, Cosmetics, Ceramics, Colours, Dyestuff, Food products, Pesticides, Fertilizers, Spices, Detergents, Insecticides, Plastics and Resins Industries.

### Specifications:

Output	50 – 200 Kgs / hr depending on product & reduction
Motor	3 hp / tefc / 1440 rpm / 440 V / 50 hz / 3 ph / AC
Perforated Screen Hole Dia	0.25 – 12 mm
Rotor Assembly Dia	250 mm
Rotor Speed	750 / 1500 / 2000 / 3000 rpm
Beaters	12 nos with knife, impact edges & 2 scrapper blades
Screen Dimensions	262 mm I.D x 140 height
Charging Height	1445 mm approx (Height Optional)
Discharging Height	730 mm approx (Height Optional)
Overall Dimensions	870 x 965 x 1690 (h) mm approx
Gross Weight (Approx)	565 Kgs
Net Weight (Approx)	275 Kgs

### OPERATION:

MULTI MILL is designed to utilize the principle of variable force swing beaters having both knife and impact edges rotating within a selected screen to control the particle reduction. Material fed in to the processing chamber moves to the periphery and passes through the screen radials and tangentially. After completing the processed material it will be get collected in to the container kept below the processing chamber. Output & quality of the final product will be depends on three main factors Shape of beaters (knife/impact edges), Speed & Screen.