

## *SMM-M Lab Grinding Mill*



### **Salient Features:**

- Compact Design – Ideal for smaller Lab Areas.
- Low maintenance, easy-clean design.
- Machine is Designed for continuous operation.
- Cylindrical Screen for higher output.
- No metal-to-metal contact.
- Variable speed with RPM display.
- Simple to operate.
- Flexible feeding Facility.
- Provide the option of inline milling with Rapid Mixer, Blender & Sifter machines.
- All the product contact parts are made from Stainless steel 316.
- Non-contact parts and the outer surface are made from stainless steel 304.
- Achieve Uniform particle size quickly.
- Low Noise operation with low Heat and Dust.
- Easily changeable screens.
- Easy Clean Design.
- Castors for mobility.
- Sturdy GMP construction.

### **Multiple Application:**

- Dry & Raw Material Milling & Grinding
- Dry Granulation sizing.
- Tablet & Capsule reclaim.
- Dry Mixing Dispersion.
- Deagglomeration.

## Optional Features:

- IQ, OQ Documentation & Test Certificates can provide on demand
- Different Screens (1 mm dia to 8 mm Holes.)
- Explosion-proof Construction.

## Technical Specifications:

MODEL	SMM-M
Output capacity**	100 g to 50 kg/hr
Charging hopper capacity**	2.5 kg. (5 L)
Rotor assembly dia	150 mm dia.
Motor	1 hp / 3 phase / 2850 rpm
Noise Level	< 75 db
Supply voltage	110v / 220v, 1 ph, or 220 / 415, 3 ph, 50/60 hz.
Rotor speed range	Min 700 rpm & max 2850 rpm Variable
Beaters	12 knife blades & 2 scraper blades.
Material Of construction	Contact part – SS 316 L non-contact part – SS 304
Surface finish	Inside contact part – mirror finish – ra 0.10 micron outside – matt finish – ra 150 grit (1.06 micron)
O rings, seals & gaskets	As per GMP – Silicone food grade type
SS 316 perforated screen sizes [holes dia in mm]at extra cost	[a] 0.5, 1.0, 1.5 [b] 2, 3, 4, 5, 6 [c] 7,8
AC Drive – Feed Screw	Make - Schneider
RPM and AMP Meters	Digital Type – Multispan make
All Electrical switchgears	Make – Schneider & Teknic
Safety Features	Limit switch provided at discharge chute.
Net weight (approximately)	77 Kg
Gross Weight	102 kg
Overall dimensions (mm)	830 x 440 x 1080