

PMS GRANULATOR[®]



High Speed Granulator (For Wet & Dry Granulation)

PMS Granulator is compact and versatile to use either for wet granulation or dry granulation by simply changing granulation head set. PMS Granulator design complies with current GMP requirements. Product contact parts are completely separated from technical components, assuring oil and grease free in the operating chamber.

Main functions of PMS granulator are to reduce particle sizes of agglomerates to a desired dimension, and to improve particle size distribution. The desired particle size is controlled by screen mesh selection and gap, setting between rotor and screen.

Theory of Operation

Agglomerates, fed through top inlet hopper, flow by gravity into the granulating chamber. The principal of PMS granulating operation is to apply continuous shearing force to press out granules through wire net (dry granulation) or cylindrical shredder (wet granulation). The refined particles are subsequently presented through bottom discharge port into your product container.

Application

- Pharmaceuticals
- Cosmetics
- Food
- Chemical
- Pigment
- Agricultural products
- Herbal products

Benefit

- ✓ cGMP Compliance
- ✓ Efficient and Economical
- ✓ Short processing time
- ✓ Reproducibility of product quality
- ✓ Minimum Fine particles generated from Dry granulation
- ✓ Easy to operate, clean and maintenance
- ✓ Quick change between dry and wet granulation head
- ✓ Durable machine components

Wet Granulator



Dry Granulator



Standard Features



■ Main machine unit

- Overall dimension : W = 780 mm., L = 1,200 mm., H = 1,050 mm.
- Driving Unit : 2 HP, 3 Phases, 50 Hz, 4 Poles,
- Helical geared motor cover with Stainless steel 304 cabinet
- Moveable stand made of SUS
- Central electrical controller

■ Wet granulation head set

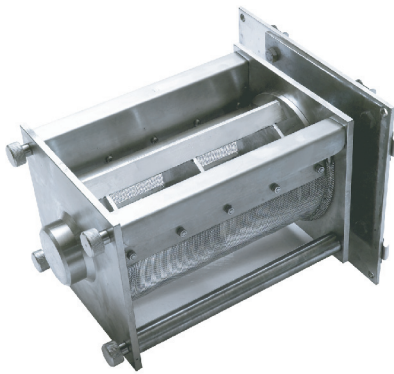
- Dimension : W = 330 mm., L = 420 mm., H = 430 mm.
- Cover, Hopper, Housing, and blade made of Stainless steel 304
- One set of Cylinder sieve made of Stainless steel 304, mesh size 2 mm., 4 mm. and 5mm.

■ Dry granulation head set

- Dimension : W = 280 mm., L = 400., H = 580 mm.
- Cover, Hopper, Housing, and Blade made of Stainless steel 304
- One set of Curved sieve for dry granulation made of Stainless steel 304, mesh size #8, #12 and #16.

■ Movable Stand made of Stainless steel 304

■ Central Electrical Controller



Dry Granulator Head



Wet Granulator Head

Option (upon request)

- Clamp connection for in - line operation : inlet or outlet (optional upon request)

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