

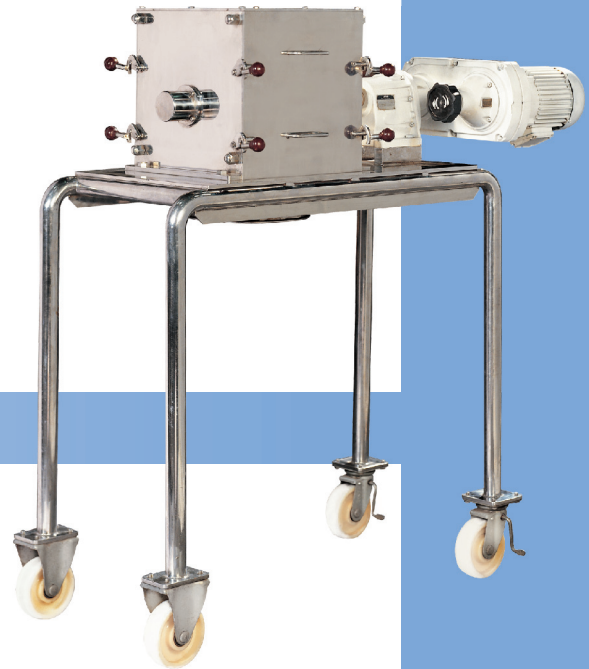
PMS GRANULATOR[®]

High Speed Granulator (For Dry Granulation)



PMS High Speed Dry Granulator is designed in compliance with GMP standard. Product contact parts are constructed as totally enclosed, dust tight unit and separated from technical components.

The main functions are to reduce particle size reduction of dry or slightly moist agglomerates, resulting in a uniform particle distribution. The particle size range is determined by screen mesh selection and gap, setting between rotor and screen.



Dry Granulator

Theory of Operation

Agglomerates, fed through top inlet hopper, flow by gravity into the granulating chamber. The rotor of PMS Granulator applies continuous shearing force to press out and form granules through sieve screen. The granules are subsequently presented through bottom discharge port into your product container.

Application

- Pharmaceuticals
- Cosmetics
- Food
- Chemical
- Pigment
- Agricultural

Benefit

- ✓ Compact GMP Design
- ✓ Efficient and Economical
- ✓ Short processing time
- ✓ Reproducibility of product quality
- ✓ Minimum Fine particles generated
- ✓ Easy to operate, clean and maintenance
- ✓ Durable machine components



Dry Granulator Head

Standard Features



- **Driving Unit: Helical Geared Motor covered with Stainless steel 304 cabinet**
- **Dry Granulation Head Set:**
 - Cover, Hopper, Housing and Blade made of Stainless steel 304
 - One set of Curved sieve for dry granulation made of Stainless steel 304
- **Central Electrical Controller to start/stop driving unit and safety equipments**

Option (upon request)

- Variable speed driving unit with direct torque inverter control
- Additional curve sieve screen or curve sieve with different mesh size
- Special stand for HSG 300 and HSG 350
- Special connection design for in-line operation: inlet or outlet

Specification

		DSG 150	DSG 300	DSG 350
Capacity (kg/h)		60-200	300-800	400-1,500
Overall Dimension (mm)	W	780	450 *	580 *
	L	1,200	1,200 *	1,300 *
	H	1,050	480 *	550 *
Rotor Diameter (mm)		150	300	350
Rotor Length (mm)		245	450	695
Rotor Speed (rpm)		150	100	100
Driving Unit		1.5 kW, 3Ø, 4 Poles	2.2 kW, 3Ø, 4 Poles	3 kW, 3Ø, 4 Poles
Curve Sieve Screen Mesh #		8, 12, 16	8, 12	8, 12
Movable Stand		Yes	No	No

Note: *denotes Dimension of Dry Granulator head excluding machine stand

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