

Technical specifications

MODEL	VESSEL		AGITATOR BLADES		CHOPPER BLADES		WEIGHT (Kg)
	Volume Max (L)	Capacity Max (Kg)	Motor (Kw)	R.p.m	Motor (Kw)	R.p.m	
RMG-5	15	5	2.2	175/variable	1.5	1450-2900	550
RMG-10	30	10	2.2	175/variable	1.5	1450-2900	600
RMG-50	150	50	11.2	140/variable	5.5	1450-2900	1500
RMG-100	300	100	15	100/variable	7.5	1450-2900	2000
RMG-120	360	120	15	100/variable	7.5	1450-2900	2200
RMG-150	500	150	22	100/variable	7.5	1450-2900	2500



Agent / Representative office



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RAPID MIXING GRANULATOR

Model: RMG-500L



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RAPID MIXING GRANULATOR

Model: RMG-500L

I. TECHNICAL FEATURES:

- Working capacity: 180kg/ batch.
- Dimension: 2150 (L) x 1430 (W) x 2800 (H) mm
- Weight of machine: 2400 kg
- Materials: stainless steel.

1.1 Vessel:

- Materials of construction: stainless steel 316L, cone-shaped, fully polished.
- Volume of vessel: 500 liters.
- Diameter of vessel: 1068mm.
- Vessel is well-lathed in circle shape, vessel bottom is flatly lathed.
- All internal and external surfaces of the vessel are fully polished to obtain a surface roughness of R.a.0.5. Surface is smooth to avoid any accumulation of dirt and ensure proper cleaning.
- Vessel lid is constructed with Silicon joint, sight glass window for observation, binder hopper, lightened on lid.
- Vessel and lid are jointed by hinge, weight balance, for easy open and close, and 2 locks for tight close.
- Vessel lid can be lifted by manual or pneumatic cylinder for easy operation.



1.3 Chopper blades:

- Chopper blades: 7 identical blades-Japanese type.
- Chopper blades is made of SS 316L.
- Motor of chopper blades: ABB: 7.5 Kw, 380V, 3 phase, 50Hz

- Chopper speed: 1400 & 2900 rpm.
- Frequency inverter: ABB 11,2 Kw
- Water path for cleaning.
- The filtered compressed air is distributed to the chopper air sealing system. It prevents the powder from falling into the shaft of chopper.

- Stainless steel valve: 1 item
- Binder spray system to feature a selection of nozzle sizes.

1.8. Sight glass window for product observation:

01 item

1.9. Lightened door:

attached with a light: 01 item

1.10 Gas vent:

- Made of by SS 304
- Filter bag: 2 items

1.11. Staircase:

- Stair at front side (stair and discharge at 90o)
- Made of stainless steel, non-slippery surface.
- One-side handrail

1.12 Machine frame:

- Made of stainless steel, doors can be disassambled for dynamic maintenaince.
- Machine base: 4 items

1.13 Touch-screen control system:

- Control panel: Color Touch Screen, size: 10 inches (Siemens-GERMANY or Mitsubishi-Japan)
- Language: English
- Program Controller: PLC (Siemens-GERMANY or Mitsubishi-Japan)
- Air pressure gauge: FESTO-GERMANY



1.6. Feeding system:

Powder is loaded through a vacuum transfer system.

1.7. Hopper for binder solution (fast assembled-disassembled):

- Made of SS 316L.
- Polished R.a.0.5
- Capacity: 25 Liters
- Tightly covered with lid

- Speed gauge of agitator blades and chopper blades: in control panel
- CB, contactor: from Japan
- Frequency inverter of agitator blades and chopper blades: ABB for saving electricity.

1.14 Pneumatic System:

- 5-6kg/cm², 300 liters/min
- Pneumatic solenoid: FESTO- GERMANY.
- On-off valve and pneumatic source: FESTO-GERMANY

1.14 Clean in place CIP:

- Built-in CIP system: 0.75kw, 380V, 50Hz. The seal housing and drive shaft are to be flushed with cleaning water, which is then drained away from the machine through built in drain tubes.

II. SAFETY FUNCTION :

- Pneumatic cylinder shut down – stop operation
- Emergency stop button.
- Cover open- Stop operation
- Electric phase lost – Stop operation
- Overload – Stop operation
- Error signal light