



UMANG[®]
encapsulation solutions

LABORATORY & PRODUCTION MACHINERY

Rapid Mixer Granulator



Umang's Rapid Mixer Granulator is an ideal mixer for pharmaceutical, chemicals and food products, dry mixing and wet granulation. Designed to achieve excellent uniform mixing & consistent granules at lower operating cost.



Spinning of material closed to the bottom of the mixing bowl and chopper blade sets the entire mixing in tumbling motion. Chopper blade assembly breaks the lumps formed during mixing. Mixing time consumed in processing depends upon the ingredients quantity & their Particle Size.



Pneumatically operated bottom side discharge valve. Complete unit is mounted on rigid structure covered by S S Sheet.





Special Features

- Stainless steel 316 construction contact parts rest Stainless steel 304.
- A high speed granulator is inserted horizontally through the wall of the bowl to assist uniform Mixing.
- High speed side choppers are placed in machine.
- Complete process Automation with PLC controls & HMI.
- Lid consists of charging Port, Air Filter with special silicon gasket sealing, liquid port & chopper assembly.
- Uniform mixing by Impeller.

Advantage

- Unique design incorporating Impeller, Chopper & Side discharge valve.
- Single equipment for Mixing- granulating.
- Parts easy to dismantle, clean and re- assemble.
- Minimum Clearance between Bottom Surface & Impeller allows scrapping & mixing.
- Complete inside of the Drum is machined giving uniform clearance of between Drum & impeller.

Optional Features

- 21 CFR Part II compliance & SCADA
- UL & CE Certification.
- CIP provision.
- FLP Motors.

Model	URMG-10	URMG-50	URMG-100	URMG-200	URMG-400	URMG-600
Capacity	4 Kg	20 Kg	40 Kg	80 Kg	160 Kg	250 Kg

Our Global Reach



Umang Global Group Pvt. Ltd.
(Engineering)

Umang Encapsulation Solutions Pvt. Ltd.
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Umang Particle Science Pvt. Ltd.
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