

Multi Mill

Multi mill is the new particle size range that builds on the proven Umang technology and its benefits. Similar design of process meshes, blades and gaps ensures that process and validation wise there is no difference to the grinding process. This unique design of process blades and meshes makes the not only a perfect wet granulator but also an ideal machine for dry granulation too.

The outstanding feature of the Multi mill range is the integrated and CIP optimized design. Connections, cabling and supplies are completely integrated, covered and sealed so the outside of the machine is smooth and very easy to clean. The innovative discharge valve design and optimized seals inside the bowl allow for CIP. As a result of this the our High shear granulator is highly flexible, quick product changeover increases productivity and cost effectiveness.

The Multi mill capacity ranges from 10 to 600 Kgs. / batch featuring through the wall design and movable head, allowing operation with platform and dust-free discharging via a linked mill directly into an IBC. The Multi mill can be stand-alone or linked to a fluid bed to form an integrated system.

The features of our Multi mill are the following :

Standard Features for Multi mill :

- Can be fitted below a high shear mixer.
- Various mesh design and size possible.
- Top driven mill and bottom driven too: no seals in direct contact with the product
- Perfect cGMP-design: smooth covering, no external tubing and piping allowing easy cleaning
- Completely integrated full opening side discharge: perfect discharge of difficult products
- Through the wall installation: minimum space required in GMP area
- User-friendly operator-machine interaction via graphical operator panel 12" Industrial PC software with PROCESS + range of software which helps interlinking all plant equipments to a single system.
- Flexibility (processes and products) for wet granulation.

Standard Features for Multi mill :

- Automatic cleaning (WIP/CIP) of entire system
- 21 CFR part 11 certified controls.
- ADVANCE PROCESS + for easy and automated granulation control
- Jacketed / insulated glass bowl
- Video monitoring of the process
- Liquid addition system (peristaltic pump / pressure vessel)
- Validation documentation and assistance based on GAMP

Technical Specifications for Multi Mill :

MODEL	Top Driven Multi Mill - 150	Top Driven Multi Mill - 200	Top Driven Multi Mill - 250	Top Driven Multi Mill - 300
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	Bottom Driven Multi Mill - 150	Bottom Driven Multi Mill - 200	Bottom Driven Multi Mill - 250	Bottom Driven Multi Mill - 300
OUTPUT	100-150KG/HR	200-300KG/HR	500-600KG/HR	1000KG/HR

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