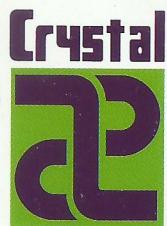


Cryst-MILL



The latest and State-of-the-Art Combination Mill,
designed and developed by:

CRYSTAL AUTOMATION PVT. LTD.,

USED AS :

Cone mill or Multi mill



USED FOR :

Granulation/ sizing/ milling in Pharmaceutical, Bulk Drug,
Food, Cosmetic, Chemical Industries, etc.

MODEL	MOTOR [HP]	CAPACITY* [DRY TYPE] [Kg/Hr]	CAPACITY* [WET TYPE] [Kg/Hr]	DIMENSION L x W x H [mm]
Cryst - Mill 250	5 HP	150-250	150-400	1400x700x1450

*The capacity will depend on the type of material, feed size, and machine rpm.

APPLICATION

1. Raw Material Grinding and De - agglomeration :
Grinding & crushing the lumps to smaller particle size.
This can pre - process raw material to eliminate non-uniformity in particle size, thereby increasing mixing efficiency.
2. Size Reduction : Decrease the oversized raw material to a smaller and uniform particle size.
3. Dry Granulation & Milling : Dry granulation can reduce granule/powder into desired range of particle size. The division of particle size can be controlled by using a suitable screen size.
4. Wet Granulation & Milling : Wet particles are agglomerated to a uniform granule size before drying. It produces uniform size of granules formed from the agglomerates that are produced by the mixer. It enhances the rate of drying process in the dryer since faster and uniform drying is achieved in a short period of time.

PRINCIPLE

The rotating beaters/blades break the feed material due to impact/shear/friction. This size reduction goes on till the particle size is reduced to such an extent that it can pass through the hole in the screen. The undersized particles get out of the milling chamber through the screen holes whereas the oversized particles undergo further milling

SPECIAL FEATURES

1. Multi functional : for both dry and wet milling, sizing and grinding.
2. Variable Speed : Stepless speed variation to suit different material characteristics and degree of milling.
3. Higher Output : 360 degree opening screen with bigger output production than any other type of mill.
4. Flexibility of Using Different Feeders : can be used with any dry/wet mixers or vacuum transfer system or manual filling.
5. Low dust, low heat, low noise, easy disassembly and assembly without using any mechanical tools.
6. Validation Documents like DQ/ IQ/ OQ provided with the machine.