

CRYST – HAMMER MILL

The latest State of the Art All-round Hammer Mill designed and developed for Ultra fine powder technology by
CRYSTAL AUTOMATION PVT. LIMITED



USED AS:

- Pulverising of all types of brittle and fiberous,
- Medium hard to soft material such as Animal Feed
- Roots
- Herbs
- Chemicals
- Pharmaceutical Powder
- Soft Minerals etc.

USED FOR :

Sizing/Milling/Micronizing in Pharmaceutical, Ayurvedic, Bulk Drug, Food, Chemicals, Cosmetics Industries, etc.

Model	Motor (HP)	Capacity* (DRY TYPE) (Kgs/Hr.)	Dimension ** L x W x H (mm)
CRYST HM - 100	10HP	Upto 100	1200x800x1900

* The capacity will depend on the Characteristics of the material, Feed size and machine rpm

** Dimensions should be rechecked from the manufacturer

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Principle of Operation :

The Cryst Hammer mill has an infeed chute for manual feeding or conveyor feeding with feed control flap type gate.

The material size is reduced by impact with fast rotating, pre-swinging type hammers. A screen holds material inside a grinding chamber, as long as it is too coarse. The fine material gets discharged through the screen into bottom Hopper with Dust Collector or pneumatic conveyor system or mechanical conveyor.

A open rotor with Hammers having thickness of 6 to 40mm is available as a standard. All the bearings are outboard and no grease can enter the grinding chamber. Hammers come in sets of equal weights with dynamically balanced rotor assembly. The machine breaker liner machined in single piece construction for provision placing the screen and having maximum open area to accommodate maximum capacity.

The standard hole size of the screen are 6mm, 10mm and other screen sizes are available on request.



Application :

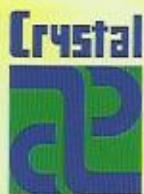
Utilized for pulverising of brittle and Fiberous, medium to soft materials such as Plants, Roots, Herbs, Chemicals, Pharmaceutical Powder, Soft Minerals etc.

The Cryst Hammer mill can also be used for Fiberizing any cuttable organic or inorganic material

Advantages and Features :

- Robust construction and low in-feed height.
- No adjustment inside the machine is necessary
- High efficiency
- Large selection of sieves or raps are available for your various product processing needs
- Good access to the grinding chamber
- Easy cleaning and maintenance
- Supported with VFDs for speed variation
- Safety interlock provided for maximum operator's protection
- The system is very much supportable to Powder Transfer System

Validation Documents like DQ, IQ, OQ and Manual are provided with the machine.



CRYSTAL AUTOMATION PVT. LTD.

ISO 9001:2008

Manufacturer, Exporter & Consultants of
Industrial Automation Eqpts. & Special Purpose Machines

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