

V S Equipment's and Automations Pvt Ltd

(Powteq)



Cryo Grinder LM200



Micro Ball Mill GT300



Planetary ball Mill BM40



Planetary Ball Mill BM6PRO



Mortar Grinder MG200



TwisterTW100



Multi-functional Mill CM100M



Portable Cutting mill CM50



Cutting mill CM200



Ultra centrifugal Mill FM200



Knife Mill HM 100



Knife Mill HM 300



Jaw CrusherJC5



Jaw CrusherJC6



Disc Mill DP100



Vibratory Disc Mill VM3



Rotary Sample Divider RSD200



Vibratory Sieve Shaker SS2000



3D MixerM10



Smart Graphite Digesto

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V S EQUIPMENTS AND AUTOMATIONS PVT LTD

POWTEQ



Knife Mill HM100&HM300

KNIFE MILL HM100

The Knife Mill HM300 is newly designed product which is especially suitable for grinding and homogenizing large amount of samples to the analysis level in short time.

○ Sample type:

Soft elastic, fibrous, water-bearing, oil, fatty dry sample

○ Application fields

Agriculture: grain, feed, etc

Biology: mouse tissue, plant leaves, seeds, seedling and ger

Medicine: Chinese medicine, pills, etc

Food: dried melon, vegetables, frozen food, cocoa,candy, preserved fruit, meat

***Especially suitable for large amount sample, such as: chicken bones, fresh fish, seafood, hazels,etc.**



M300

Application Examples

Before grinding	After grinding	Parameter	
		Sample	apple
		Speed setting	2000rpm
		Sample characteristic	water
		Remarks	use the gravity lid with overflow channels
		Time	40s
		Sample	fish
		Speed setting	1500rpm
		Sample characteristic	soft
		Remarks	the feed size must be less than 10 cm; use the gravity lid
		Time	2 mins

○ Working Principle

The HM300 has four-blade knives at the center of the bottom of a grinding cup. A certain height gap is kept between the blades. Driven by a motor of 1.1KW, the knives start rotating. Reliable crushing and homogeneous phase effects are generated via the cutting of the sharp steel knife edges. The blunt side can be selected for coarse grinding of bulk samples or the tough side for fine grinding of samples.

○ Features and advantages

- 10 SOPs can be stored.
- It allows to dry grinding and wet grinding.
- 5 inch LED touch screen display, easy to operate.
- With interval mode, regular mode and reverse mode.
- Powerful brushless motor, the speed can be adjusted at the range of 500- 4000 rpm.
- Designed with double-deck 4 pieces of straight blades to ensure higher grinding efficiency.
- The mill designed with electromagnetic lock. It's safe and reliable. The cover can not be opened during grinding process.

○ Accessories



Grinding container



double-deck 4 pieces of straight blades

○ Technical data

	HM100	HM300
Feed size	< 40mm	< 130mm
Final fineness	< 300 μ m	< 300 μ m
Speed	2000-10000rpm	500-4000rpm
Time setting	0: 01-9: 59 (min/s)	0: 01-5: 59 (min/s)
Batch quantity	150-700ml	1-4L
Interval mode	Yes	Yes
Knives	stainless steel,titanium alloy	stainless steel,titanium coating
Number of blades	2	4
Rated power	1.1KW	1.5KW
Power supply	220V, 50/60Hz	220V, 50/60Hz
Instrument size	260*343*454mm	303*575*485mm
Package size	466*516*630mm	705*475*600mm
Net weight	16kg	39kg