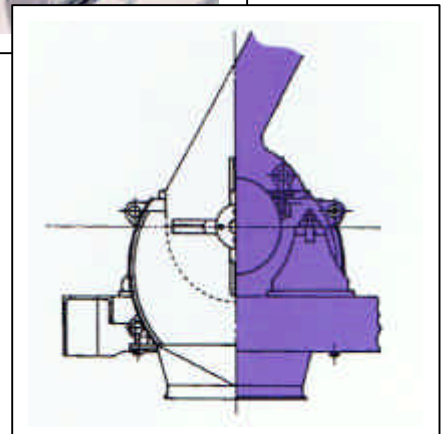
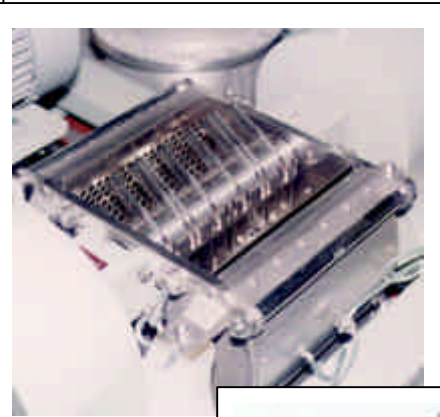


HOSOKAWA MICRON Feather Mill

Versatile Granulator / Disintegrator



General

Grinds a few ~ 100 mm feed into a few ~ 100mesh fineness, with sharp edged swing or fixed hammers. Best for granulation and disintegration of food and pharmaceutical, and chemicals, eliminating fine dusts in the products and less heat generation. Due to main grinding principle is cutting, the mill is suitable for grinding and disintegration of low melt point materials.

Construction

The Throat and the mill casing are fixed with eye bolts therefore disassembly and assembling is easy. Standard model is with casters so the unit is movable. The mill, a motor and a switch are mounted on the movable stand. To change a screen size, just insert the screen into the screen rail in the chamber and mount the throat over to fix it. Therefore screen change is very easy.

Features

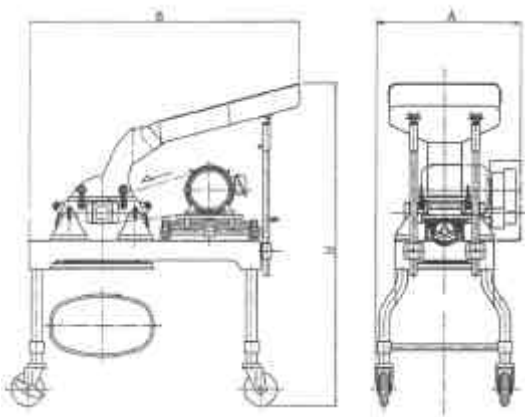
- A. Eliminates fines in the products
- Uniformly sized products.
- B. Very little heat generation during grinding
- C. Large Capacity
- D. Easy to disassemble and clean.
- E. Easy to move as the mill is on wheels.



Performance Examples

Material Name	Speed [rpm]	Hammer Type	Screen [mmf]	Capacity [kg/h]	Feed Material	Product Fineness
Lactose	1,000	Knife	3.0	230	Agglomerates	AV.10 ~ 20Mesh
Lactose	2,500	Knife	2.0	640	f 30Agglomerates	AV.f 1mm
Amino Acid	1,800	Knife	20.0	300	100 ~ 200mm	AV.30 ~ 60Mesh
Rock Sugar	900	Knife	20.0	1,500	20 ~ 30mm	AV.2 ~ 8Mesh
Gluten	3,400	Knife	1.0	150	Flea	80Mesh pass
Pigments	3,500	Knife	0.5	50	f 50 Cake	AV.100Mesh
Dyestuff	"	Knife	2.0	200	f 50 Cake	f 1mm pass
Salt	3,500	Knife	10.0	1,500	Agglomerates	Disintegration
Malic Acid	3,500	Knife	1.0	200	Crystal 5mm	30Mesh pass 90
Fat	1,900	Knife	7.0	100	Cake	f 3 ~ 4mm
Phenolic Resin	1,500	Knife	3.0	200	f 30×60L	10 ~ 100µm
Powdered Source	1,000	Knife	3.0	500	f 50	24Mesh Pass.
Dried Fish	1,500	Knife	6.0	100	Fish	5mm
Dried Sea Weed	2,600	Knife	6.0	100	?	5mm
Freeze Dry Coffee	850	Knife	5.0	500	f 100×10L	8 ~ 20µm
Glucose	2,900	Flat	1.0	350	20 ~ 30Mesh	60 ~ 100Mesh
Chinese Medicine	1,450	Knife	10.0	20	f 50×10	3 ~ 5mm
Urea	2,000	Knife	3.0	700	3mm	15 ~ 20µm
Magnesium Sulfate	200	Knife	1.0	700	32Mesh pass 80%	32Mesh pass
Strontium Nitrate	2,000	Knife	5.0	700	100mm	AV.16 ~ 100Mesh
Powder Sulfic Acid	2,100	Knife	5.0	800	f (15 ~ 20)×0.5L	6 ~ 16Mesh
Vinyl Acetate	2,000	Knife	4.5	400	f 40	8 ~ 16Mesh
Zinc Oxide	2,800	Knife	1.5	400	f 25×30L	AV.100Mesh
Citric Acid	1,800	Knife	2.0	1,500	f 30	Disintegration
Dried Miso	2,600	Knife	2.0	450	40×60×20mm	20Mesh pass
Rubber Chemical	2,500	Knife	5.0	300	30 ~ 40mm	2mm

Specification



		FM-1	FM-2
Power	kW	3.7 ~ 5.5	5.5 ~ 11
Speed	rpm	800 ~ 3500	1000 ~ 4500
Hammer Qty	pc.	16	32
Dimension A	mm	800	900
B	mm	1250	1250
H	mm	1500	1500
Weight	kg	280	450

Note : There are two versions, Fixed Hammer Type and Swing Hammer Type.
Contact home office for further details.



HOSOKAWA MICRON CORPORATION

Hosokawa Micron Corporation is a member of the Hosokawa Micron Group, responding to global needs through emphasis on materials equipment and systems for powder processing, thermal processing, environmental protection, and plastics processing. The Group maintains facilities for research, engineering, manufacturing, and service in each of the world's industrial markets.

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