



—— Pharma Process & Packaging

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HM-LAB

Hammer Mill





HM-Lab

SaintyCo, a world leader in powder size reduction technologies, presents **HM-Lab**, offering modular milling solution for the pharmaceutical, chemical and food industries.

HM-Lab is a high-performance hammer mill for the fine milling and pulverization of hard, crystalline, elastic or fibrous products.



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FLEXIBLE,
COMPACT
& EFFICIENT!"

Feature:

- The milling chamber can be dismantled via a tri-clamp.
- The safety switch does not have cable outside.
- The half round screen has as high as 40% active opening.
- Easy to clean, no outside cable.
- Easy assembly.
- Easy access of operation.
- The smallest milling size is 30um.

Advantages:

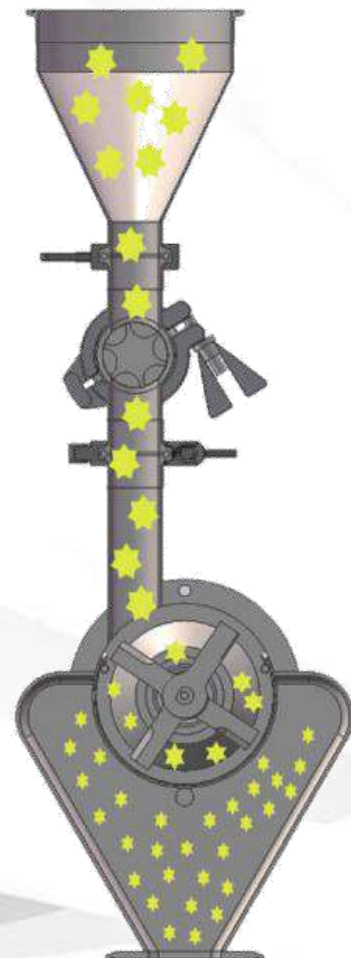
- Highest speed can reach 18000 rpm.
- Minimum particle size can be 30um.
- Suitable for batch 5g-50kg.
- Support CIP/SIP.
- All tri-clamp assembled feeding device.
- AT rotating cylinder.
- The high speed rotor with both knife and hammer side.
- The rotor and the sieve do not have mechanical contact.
- High active opening sieve.
- The milling head can be easily dismantled.



Function:

The product goes through the feeding valve which ensures a consistent product flow to the milling chamber. Then the product is impacted by the high speed rotor and then becomes smaller particles which goes down through a screen mounting below the rotor. Customer can adjust the rotor speed and screen size to achieve required particle size distribution.

HM-Lab Milling Process





Ergonomic and easy to use:

- Modular, compact design.
- Easily change rotor and screen.
- Mobile support stand.
- Lightweight, detachable milling head
- The "Error Proof System" guarantees correct installation and removal of the rotor and screen.

Cleaning according to the strictest health standards:

- Milling head can resist steam sterilization under pressure 2.2 bar.
- The milling head is made from stainless steel 316L. The polished, even surfaces allow the product to flow through without friction and without leaving residues.
- Supports WIP and SIP.

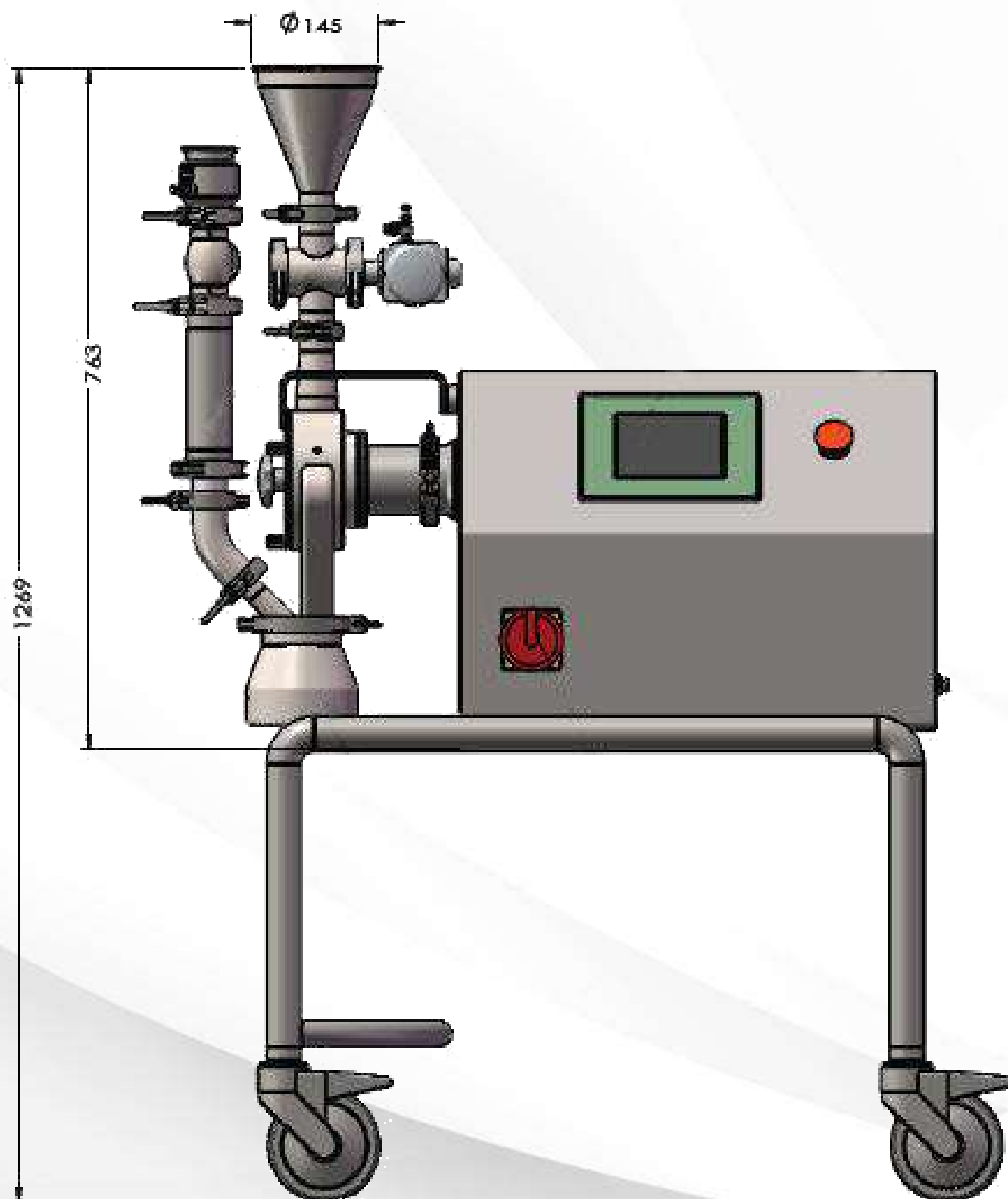




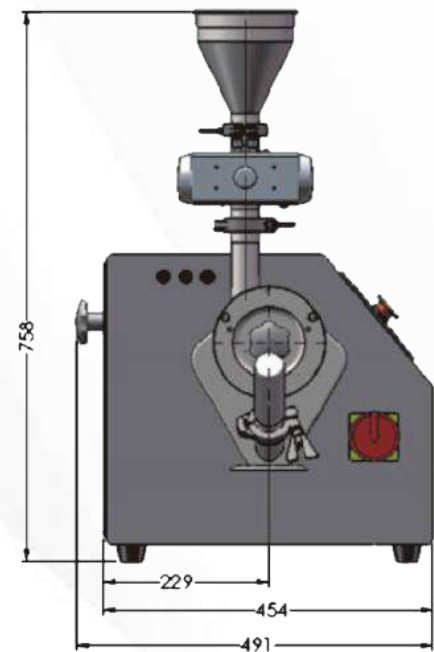
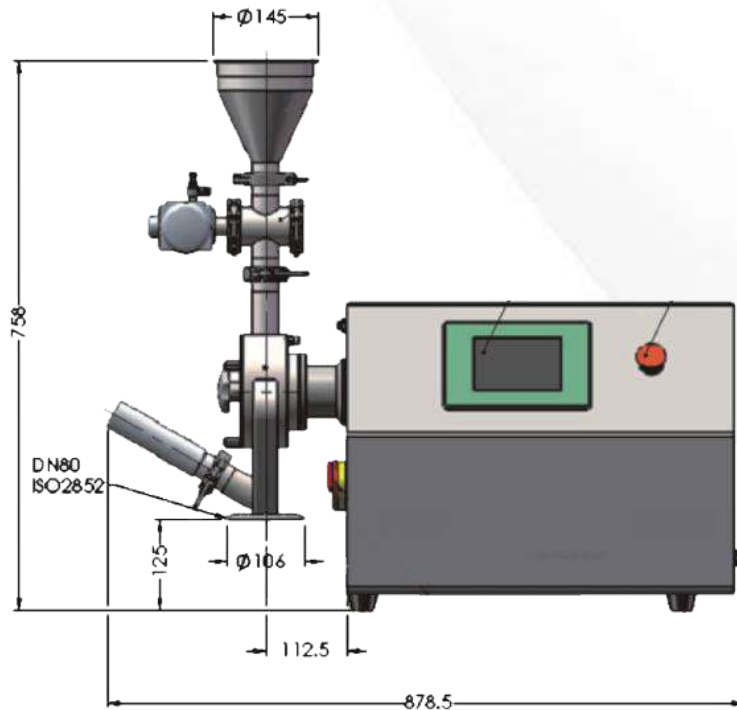
The throughput and final PSD is decided by material characteristics. The following is performance of the machine regarding to some products for reference:

Product Name	Particle size	Throughput(kg/h)
Vitamin C	100 mesh/150 um	10
Sugar	100 mesh/150 um	10
Salt	100 mesh/150 um	8
Ketoprofen	100 mesh/150 um	6
Carbamazepine	100 mesh/150 um	6
Metformin hydrochloride	200 mesh/75 um	4.8
Anhydrous sodium carbonate	200 mesh/75 um	8
Cefmenoxime hydrochloride	300 mesh/50 um	4
Amino acid mixture	150 mesh/100 um	70
Cefminox sodium	200 mesh/75 um	6
Levofloxacin	300 mesh/50 um	5
Sorbitol	80 mesh/200 um	3.6
Hydrochloric acid to whalen	200 mesh/75 um	2
Clozapine	100 mesh/150 um	8
Sorbitol	100 mesh/150 um	6
Cefuroxime sodium	80 mesh/150 um	5

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Technical Data	HM-Lab
Throughput	50g-120 kg/h
Speed	Max.18000rpm
Voltage	220V 50Hz
Power	0.75 Kw
Dimensions	879×491×758mm
Weight	~60Kg

SaintyCo Also Offer:

- Cone Mill
- IBC Blending System
- Coating Systems
- High Shear Mixer Granulator
- Roll Compactor
- Tablet Compression Solutions

For additional information, please drop E-mail to info@saintyco.com

