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FOOD INDUSTRIAL AND CHEMICAL MILLS/GRINDERS



IMPACT CLASSIFIED MILL ICM SERIES

SKU: N/A

Impact Classified Mill ICM Series

Features

- **Treatment:** Grinder
- **Material Properties:** Oily and Non-Oily
- **Fineness:** 40mesh ~ 1250mesh
- **Capacity:** 50kg ~ 300kg
- **Production Methods:** Turnkey

Introduction

This Impact Classified Mill ICM Series is made up of a special grind disc and a classifier. According to the characteristics of the materials, offer the best solution to meet the need for fineness and efficiently grind.

The adjustment of the fineness is with a non-screen air-classifier, and a water cooling jacket on the grinding chamber or cool air feeding to keep the machine and materials from overheating and retain the product's quality and the machine's lifetime.

Particle size can be modified by the classifier speed and input air volume to control the required particle size.

Impact Classified Mill ICM Series

- Good for extremely fine materials
- Fineness: 40 ~ 1250Mesh. (data is for reference only & may vary according to raw material)

The Impact Classified Mill ICM Series features new concept hammers that generate a powerful grinding effect, achieving better efficiency and



fineness than other grinders.

The speed of the integrated air classifying rotor can be changed. Flexible control of product fineness and get stable quality products.

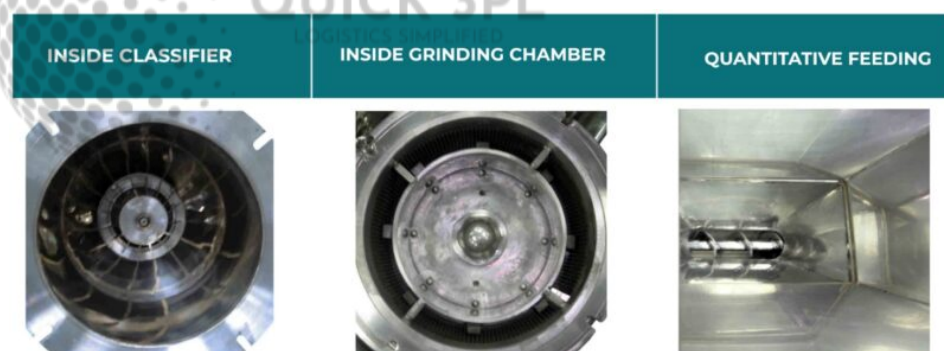
Easier Machine Maintenance and cleaning, and all driving parts are protected by an enclosed common base for safety.

This ICM (Screen-less) pulverizer functions on the concept of impact grinding force from its high-speed rotor to generate strong percussion with a fixed liner to produce ultra-fine particle size.

With a speed variable classifier, the particle size is freely controlled by the user, and the coarse powder is continuously ground until it meets the required parameters.

In addition to its working principle, the Impact Classified Mill ICM Series pulverizer is also available with a Cyclone Separator (Rotary Valve) and a Dust Collector.

Finally, to keep the material neat also ventilation and constant production, the mill chamber is surrounded by a cooling water jacket to maintain the inner temperature at a certain degree to keep the material's original fragrance and color.



Model	Motor (HP)	Main Mill (RPM)	Feeder MOTOR (HP)	CAPACITY (KG/HR)	Classifier Motor (HP)	Classifier Speed (RPM)	Dimensions (L*W*H*MM)
ICM-307	7.5	5000-6000	0.5	2.8	1*2P	2800-3350	1458*556*1355
ICM-410	15	4000-5000	0.5	2	2*2P	2800-3350	1645*666*1285
ICM-520	20-30	2800-3800	0.5	10.5	5*2P	2800-3400	1785*825*1625
ICM-640	40-50	2500-3200	1	12	5*2P	2850-3450	2050*1000*1400
ICM-750	75-100	1800-2200	1	15	10*2P	2900-3500	2285*1100*1650

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IMPACT CLASSIFIED MILL ICM SERIES

SKU: N/A

Impact Classified Mill ICM Series

Features

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Introduction

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The adjustment of the fineness is with a non-screen air-classifier, and a water cooling jacket on the grinding chamber or cool air feeding to keep the machine and materials from overheating and retain the product's quality and the machine's lifetime. Particle size can be modified by the classifier speed and input air volume to control the required particle size.

Impact Classified Mill ICM Series ICM Series

- Good for extremely fine materials
- Fineness: 40 ~ 1250Mesh. (data is for reference only & may vary according to raw material)

ICM has new concept hammers that generate a powerful grinding effect and achieve better efficiency and fineness than other grinders.

The speed of the integrated air classifying rotor can be changed for. Flexible control of product fineness and stable quality products.

Easier Machine Maintenance and cleaning, and all driving parts are protected by an enclosed common base for safety.

This ICM(Screen-less)pulverizer functions on the concept of impact grinding force from its high-speed rotor to generate strong percussion with a fixed liner to produce ultra-fine particle size. With a speed variable classifier, the particle size is freely controlled by the user, and the coarse powder is continuously ground until it meets the required parameters.



In addition to Impact Classified Mill ICM Series's working principle, the ICM pulverizer is also available with a Cyclone Separator (Rotary Valve) and a Dust Collector. Finally, to keep the material neat also ventilated, and for constant production, the mill chamber is surrounded with a cooling water jacket to maintain the inner temperature at a certain degree to keep the material's original fragrance and color.

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ICM-640	40-50	2500-3200	1	12	5*2P	2850-3450	2050*1000*1400
ICM-750	75-100	1800-2200	1	15	10*2P	2900-3500	2285*1100*1650



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VERTICAL MILL VM SERIES

SKU: N/A

Vertical Mill VM Series

Features

Treatment: Grinder

Material Properties: Oily, Non-Oily

Fineness: 3mm ~ 30mesh

Capacity: 20kg ~ 300kg

Production Methods: Single Machine

Introduction

VM series can deal with various kinds of raw material by application of a crushing blade and the crushing liner, easy to clean and maintain.

Vertical Mill VM Series

- Using the impacting crushed design during milling, save power, get mass production, high efficiency and easy production, and dismantling.

VM Series handles oily and non-oily materials with impact-based grinding. Achieve 3mm–30 mesh fineness. Easy to clean, maintain, and dismantle.

Model	Motor (HP)	CAPACITY (KG/HR)	Dimensions (L*W*H*MM)
VM-2	2~3	20~80	640*450*960
VM-5	5~7 1/2	50~200	920*620*1100
VM-10	10~15	80~300	1070*630*1170



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► VM-2 QUANTITATIVE FEEDING SCREW



► CHINESE HERBS CRUSHING GRINDING SYSTEM



GRINDING CHAMBER



LINER



SCREEN NET



*****The output fineness and capacity might be different based on different features of materials.*****

Category: [Food Industrial and Chemical Mills/Grinders](#)



BREAD CRUMB GRINDER

SKU: N/A

Bread Crumb Grinder BCG Series

Features

Treatment: Grinder

Material Properties: Non-Oily

Fineness: 3mm ~ 15mm

Capacity: 50kg ~ 250kg

Production Methods: Single Machine

Introduction

Specializing in bread crumb grinding, using a jagged design of cutter for bread, and then through different pore sizes of replaceable filter screens to get the desired output fineness. Bread, toast, and biscuits will be pulverized more evenly, reducing the waste of material.

Bread Crumb Grinder BCG Series

- Inside the grinding chamber, blades are made with a saw tooth with an "S" shape design, where the inner chamber has no dead space.





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POWDER GRINDER

SKU: N/A

Powder Grinder PG Series

Features

Treatment: Grinder

Material Properties: Oily, Non-Oily

Fineness: 100 ~ 150mesh

Capacity: 1kg ~ 30kg

Production Methods: Single Machine

Introduction

This special design of centrifugal grinding roller and groove will grind the raw material to the appropriate fineness, and then the final powder will be discharged by airflow guiding.

The output fineness of product powder can be adjusted temperately, and widely applicability, even for sticky or oily raw materials are also available.

Powder Grinder PG Series

- Centrifugal-type grinding wheel and tooth-shaped knife grooves enhance grinding efficiency.

► PG-10

► PG-10-A(GMP)





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Model	Motor (HP)	Size (MM)	Dimensions (L*W*H*MM)				
			Main Machine	Material Storage	Dust Collector	Blower	Exhaust Blower
PG-2	2	1-3	660*710*650	-	-	-	-
PG-5	5-7 1/2	5-20	1300*620*1200	770*770*1500	-	-	-
PG-5-A	5-7 1/2	5-20	1300*620*1200	-	820*1750*2000	530*560*1030	-
PG-10	10-15	10-50	1070*1100*1320	770*770*1500	-	-	720*720*1550
PG-10-A	10-15	10-50	1070*1100*1320	-	820*1750*2000	530*560*1030	-



Category: [Food Industrial and Chemical Mills/Grinders](#)



CUTTING CRUSH MACHINE CCM SERIES

SKU: N/A

Cutting Crush Machine CCM Series

Features

Treatment: Grinder

Material Properties: Oily, Non-Oily

Fineness: 3mm ~ 15mm

Capacity: 30kg ~ 1000kg

Production Methods: Single Machine

Introduction

With cutting tools and the unique design of the cutting angle, the output fineness of the final product can be adjusted by the different pore size of the replaceable filter screen.

Cutting Crush Machine CCM is suitable for large stuff crushing, shearing, and cutting applications.

CCM Series

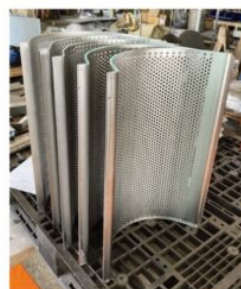
- **The unloading hopper is mobile and due to comprehensive employment such as autoloaders.**

CCM Series Cutting Crush Machine handles oily and non-oily materials with adjustable 3–15mm fineness. Features replaceable screen and a mobile unloading hopper.

PLANING KNIFE



SCREEN NET





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Model	Motor (HP)	SIZE (MM)	ROTARY CUTTER	STATION CUTTER	Dimensions (L*W*H*MM)	CAPACITY (KG/HR)
CCM-260	2	260*200	6	2	750*600*1200	20-50
CCM-310	3	310*200	6	2	750*650*1200	60-100
CCM-512	5	300*230	6	2	1150*680*1320	150-300
CCM-514	7 1/2	350*260	6	2	1300*790*1450	200-400
CCM-516	10	400*260	6	2	1300*840*1450	250-400
CCM-518	15	450*330	6	2	1550*940*1760	300-600
CCM-520	20	500*330	6	2	1550*990*1760	400-700
CCM-524	30	600*330	9	4	1650*1090*1760	500-900
CCM-528	40	700*410	9	4	1800*1400*2000	600-1000
CCM-532	50	800*410	9	4	1800*1500*2000	600-1200

*****The output fineness and capacity might be different based on different features of materials.*****

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HAMMER MILL HM SERIES

SKU: N/A

Hammer Mill HM Series

Features

Treatment: Grinder

Material Properties: light-oily 、 Non-Oily

Fineness: 5mm ~ 20mesh

Capacity: 50kg ~ 3000kg/hr

Production Methods: Single Machine

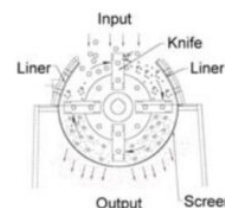
Introduction

Hammer Mill uses the cutting knife and the liner; the material is crushed by the impact and cutting force. If the material size remains big, the impact will exceed the centrifugal force, the knives will recede (moving back and forth) to protect the knife shaft, and the crushing efficiency remains the same.

HM Series

- With extensive application. (including light-oily, fibrous materials, Except for high-oily, and sticky materials)
- Interior parts are multiple & replaceable.

Cutting Knife	Screen Net	Flowchart
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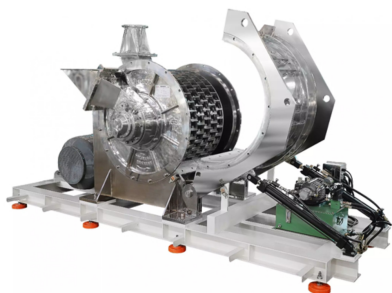
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Model	Motor (HP)	Rotation Speed (RPM)	Capacity (KG/HR)	Dimensions (L*W*H*MM)
HM-1	2	3500	20-50	630*360*680
HM-3	5	3500	40-100	750*450*840
HM-5	7 1/2	3200	80-200	900*540*900
HM-7 1/2	10	3200	150-400	1000*660*1120
HM-10	15	3000	300-800	1250*700*1300
HM-20	20	3000	600-1500	1300*750*1400
HM-30	30-40	2800	1200-3000	1450*930*1690

Category: [Food Industrial and Chemical Mills/Grinders](#)



TURBO MILL TM SERIES

SKU: N/A

Turbo Mill TM Series

Features

Treatment: Grinder

Material Properties: Non-oily

Fineness: 20mesh ~ 325mesh

Capacity: 20kg ~ 2000 kg/hr

Production Methods: Turnkey

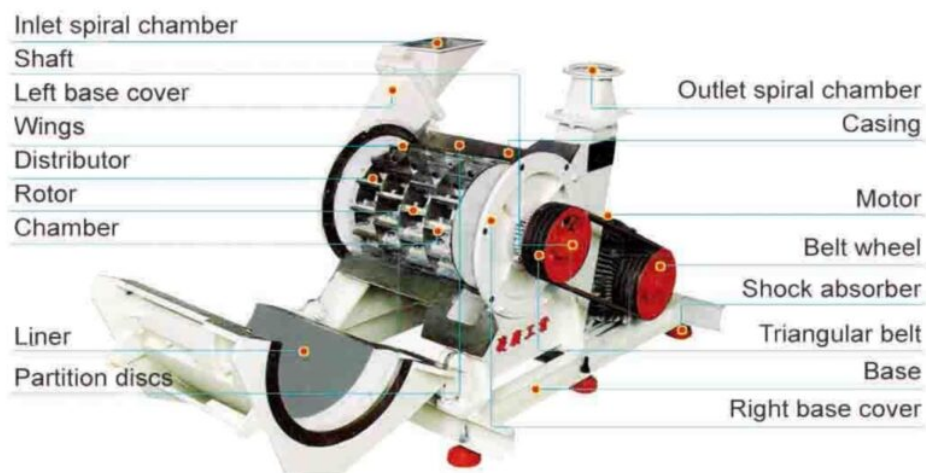
Introduction

Turbo Mill is different from other kinds of grinders. Raw materials will be ground via the force of cutting, impact, innumerable high-speed vortices, and high-frequency vibratory forces. Not only the raw materials with tough flexibility and high fiber but also high heat-sensitivity can be ground completely.

TM Series

- Stable performance.
- Wear-resistant mechanism.
- Wide range of applications.
- Turbo Mill requires low maintenance, with a space-saving design.
- Dust-free operation.
- Fineness: 20~325 mesh. (Data is for reference only & may vary according to raw material)

Features



Grinding

To adjust product fineness :

RPM: Change particle size distribution by adjusting motor speed

Clearance: Adjust the gap between blades and liners

Blades: Adjust the number of blades in the rotor

Feed: Increase or decrease feeding speed

Air Flow: Adjust the air inlet gate of the Turbo Mill

Principle

The pulverizing mechanism of the Turbo Mill utilizes percussion created by the high-speed revolution of the wings, ultra-high speed vortexes behind the wings, and high-frequency vibrating air created by these vortexes, along with impact and shearing.

Specifications

Model	Inner da (mm) (inch)	Speed (rpm)	Power (hp)	Exhaust air (m/min)(inch ³)	Capacity
TM-250	250,10"	4000-8000	10~20	5~10, 180~360	0.3~0.4
TM-400	400,16"	2500-4500	40~50	10~20, 360~720	1
TM-600	600,24"	1750-3000	60~75	15~30, 540~1080	2
TM-800	800,32"	1500-2200	100~125	24~40, 720~1440	3~4
TM-1000	1000,40"	1200-2000	100~150	40~70, 1440~2500	5~6



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The output fineness and capacity might be different based on different features of materials.

Capacity :

According to different characteristics of materials and equipment, the data would be changed.

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PIN MILL PM SERIES

SKU: N/A

Pin Mill PM Series

Features

- Easy Operation
- Washable
- Applicable for Various Materials
- Fineness: 40~100 mesh (Depend on different materials.)
- Capacity: 20kg ~ 2000kg/hr
- Operate as a single machine or within a turnkey system

Introduction

Pin Mill is suitable for grinding crystal and brittle materials. The output fineness can be changed by the replacement of the filtering screen and the adjustment of the rotor speed.

With a wide range of applications to a variety of products, and the features of optional grind disc replacement for proper materials. Especially, this machine is easy to clean (water rinse) and do maintenance.

Pin Mill PM Series

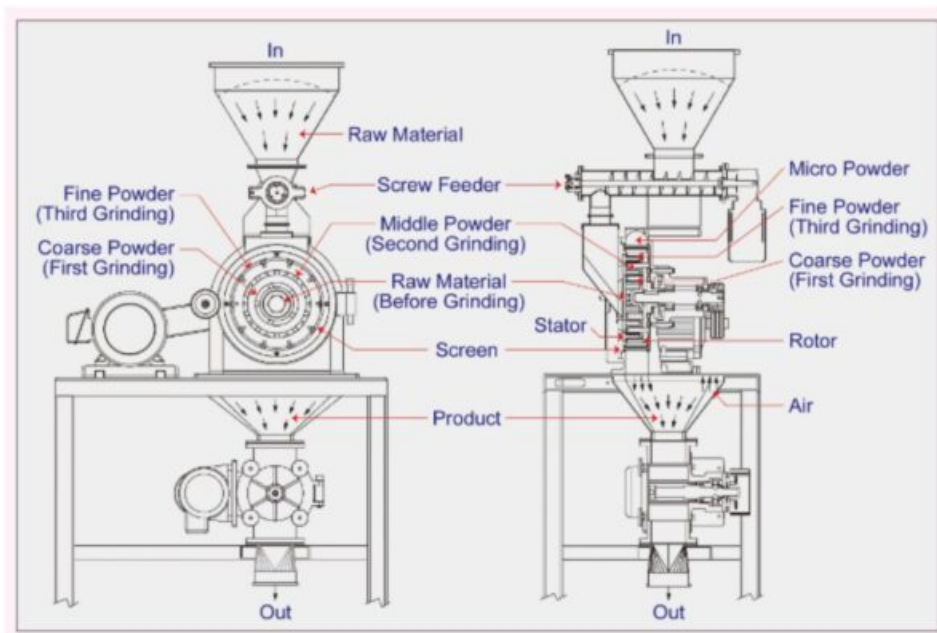
- Processes a wide range of raw materials. Durable, low-waste design.
- Easy to operate, saves time & power, highly efficient.
- Durable components are easy to replace & clean.
- Fineness: 40 ~ 100Mesh. (data is for reference only & may vary according to raw material)

Standard Type-Model: PM-3

Ideal for pulverizing any materials (except highly oily or sticky ones). Due to the variety and interchangeability of internal components, this equipment has wide production adaptability, ranging from granular material to super-fine particles.

The turnkey system is designed to prevent contamination of materials, increase efficiency, lower manpower requirements, and maintain material quality.

Principle



The first grinding is a shearing force created by the cutting impact of the inner rotor and stator.

After filtrating, any remaining coarser powder will be ground in the third grinding until it passes through the screen mesh.

The finished product is discharged from the rotary valve.

STUD TYPE ROTOR	STUD TYPE STATOR	SCREEN RING	APPLICATION
			Brittle materials: achieves exceptionally high grinding fineness at low specific energy consumption.
STUD TYPE ROTOR	Pin Type Stator	Screen Ring	Application
			Grains, Beans, Seasonings, etc. (e.g. Rice, Green Beans, Sugar, Salt).
Knife Type Rotor	Knife Type Liners	Screen Ring	Application
			High Fiber & Heat Sensitive Raw Materials. (e.g. Chinese Herbs).



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► PM-1 COMPACT MILLING SYSTEM

► PM-3-C FOR COSMETICS

► PM-3 FOR FOODSTUFFS



Model	HP (kW)	R.P.M	Capacity (kg/hr)	Dimensions (mm) L x W x H	Fineness (Mesh)
PM-1	2	3500	20~50	810 x 450 x 1380	20~120
PM-3	5~7½	3500	80~250	1050 x 630 x 1880	20~120
PM-4	7½~10	3000	100~300	1230 x 810 x 2030	20~120
PM-5	15~20	2900	150~500	1540 x 1040 x 2870	20~120
PM-6	30~40	2800	300~900	1750 x 1050 x 2960	20~120
PM-7	50~60	2700	500~2000	2200 x 1400 x 3670	20~120

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