



KINTEK SOLUTION

Crushing & Grinding Machine Catalog

Contact us for more catalogs of [Sample Preparation](#), [Thermal Equipment](#), [Lab Consumables & Materials](#), [Bio-Chem Equipment](#), etc.

KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

KinTek Group Limited is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.



Small Cryogenic Grinder Cryomill Cryogrinder With Liquid Nitrogen For Laboratory Use

Item Number: KT-DC31



Introduction

Our KINTEK Cryomilling is perfect for small runs and R&D trials. With a versatile cryogenic system, it can handle a variety of materials, including plastics, rubber, pharmaceuticals, and food grades. Plus, our specialized hydraulic laboratory crushers ensure accurate results through multiple passes, making it suitable for XRF analysis. Get finely-powdered samples with ease!

[Learn More](#)

Product Name	Liquid Nitrogen Low Temperature Pulverizer
Model	KT-DC31
Power	1.8kw
Voltage	220V/50Hz
Low temperature crushing fineness	40-300 mesh
Output	0.3-3kg/h
Small processing capacity	10g
Discharging method	continuous
Rotation speed	25000r/min
Host weight	12kg
Host size	290*280*480mm
Cooling medium	Liquid nitrogen
Knife type	multi-sided tilting knife
Principle of crushing	High-speed impact
Liquid nitrogen output mode	liquid nitrogen pump
Liquid discharge control	Ball valve with scale
Discharging method	Screenless air separation
Liquid nitrogen system	Foot-operated/self-pressurizing type (choose one)
Note	Please pay attention to ventilation when using the equipment, and please do a good job in low temperature protection.

Lab Cryogenic Grinding Use Liquid-Nitrogen For Pulverizing Plastic Raw Materials And Heat Sensitive Materials

Item Number: KT-CG01



Introduction

Discover the KT-CG01 Liquid Nitrogen Cryogenic Pulverizer, Ideal for Plastic and Heat-Sensitive Material Pulverization, Preserving Material Integrity and Delivering Ultra-Fine Results.

[Learn More](#)

Parameter	Specification
Name	Liquid Nitrogen Cryogenic Grinding Machine
Model	KT-CG01
Power	1.8kw
Voltage	220V
Cryogenic Grinding Machine Fineness	40-300 mesh
Capacity	1-3kg/h
Small Capacity	10g
Discharge Mode	Continuous
Speed	25000r/min
Weight	12kg
Size	290280480mm
Cooling Medium	Liquid Nitrogen
Knife Type	Polygonal Head Knife
Crushing Principle	High-speed Collision
Discharge	No Sieve Wind Selection
Liquid Nitrogen System	Foot / Self-pressurized (choose one)

Liquid Nitrogen Cryogenic Grinder Mill Cryomill With Screw Feeder

Item Number: KT-CG02



Introduction

Discover the Liquid Nitrogen Cryogenic Pulverizer with Screw Feeder, perfect for fine material processing. Ideal for plastics, rubber, and more. Boost your lab efficiency now!

[Learn More](#)

Parameter	Specification
Model	KT-CG02
Host power	1.8kw
Voltage	220V/50Hz
Host speed	25000r/min
Crushing fineness	40-350 mesh
Batch production	0.3-3kg/h
Sample size	10g
Feed size	≤5mm
Seal ring	Low temperature fluorine rubber
Discharge mode	Continuous
Feeding motor	40w
Feeding speed	0-10r/min
Feeding method	Screw/Manual
Liquid nitrogen tank model	YDS-30
Volume of liquid nitrogen tank	30L(50L optional)
Liquid nitrogen pump model	YDB-50J
Liquid nitrogen input	Electric pump/Foot pump
Liquid nitrogen output control	Scale valve
Crushing mode	High speed impact
Discharge mode	No sieve wind selection
Weight	46kg
Overall dimension	750450850mm

Liquid Nitrogen Cryogenic Grinder Mill Cryomill Airflow Ultrafine Pulverizer

Item Number: KT-CG03



Introduction

Discover the Liquid Nitrogen Cryogenic Grinding Machine, perfect for lab use, ultra-fine pulverization, and preserving material properties. Ideal for pharmaceuticals, cosmetics, and more.

[Learn More](#)

Parameter	Specification
Name	Laboratory cryogenic freezer pulverizer
Model	KT-CG03
Power	1.8kw
Voltage	220V
Low-temperature crushing fineness	40-300 mesh
Output	1-3kg/h
Speed	25000r/min
Pulverizer weight	10kg
Overall dimensions	480 * 290 * 280
Cooling	Liquid nitrogen freezing
Knife Type	Multilateral warped head knife
Crushing principle	High-speed impact
Screening	Wind selection (no sieve)
Fibrous materials crushed at room temperature fineness	120 mesh-500 mesh
Brittle materials crushed at room temperature fineness	300 mesh-1000 mesh
Note	Equipment plus liquid nitrogen use air humidity should not be greater than 50% RH

Laboratory Jaw Crusher

Item Number: KT-EP



Introduction

Discover the small jaw crusher for efficient, flexible, and affordable crushing in labs and small mines. Ideal for coal, ores, and rocks. Learn more now!

[Learn More](#)

Parameter	Specification
Brand	Kintek Solution
Model	KT-EP
Feed Material	Medium-hard, hard, brittle, tough
Max. Feed Size	< 90 mm
Final Fineness	< 2 mm (depending on material & gap setting)
Throughput	Up to 300 kg/h
Gap Width Setting	0 - 30 mm (Stepless adjustment with scale)
Jaw Plate Dimensions	90 x 90 mm
Electrical Supply	220V / 380V AC, 50-60Hz
Motor Power	1.1 kW
Protection Code	IP65
Standards	CE Certified
Dimensions (W x D x H)	302 x 660 x 688 mm (Main Unit)
Mobile Stand Dims	329 x 560 x 490 mm
Net Weight	160 kg

Sealed Jaw Crusher High Efficiency Environmental Protection Safe And Reliable

Item Number: KT-EPB



Introduction

Discover our Sealed Jaw Crusher: High efficiency, environmental protection, Safe and reliable crushing for labs, mines, and more.

[Learn More](#)

Model	Feeding port size (mm)	Feeding particle size (mm)	Discharging particle size (mm)	Production capacity (T/h)	Power (kw)
EP-2	60x100	<50	<8	0.15-0.5	1.5
EP-1	100x125	<80	3-15	0.2-1.0	3.0
EP-3	125x150	<100	3-25	0.5-1.2	3.0
EP-150x250	150x250	<125	<45	1.0-4.0	5.5
EP-250x400	250x400	<210	<80	5-16	13

Laboratory Sealed Hammer Crusher For Efficient Sample Preparation

Item Number: KT-PCZ



Introduction

Discover the Laboratory Sealed Hammer Crusher for efficient sample preparation. Ideal for coal, metallurgy, and research, this crusher ensures high production efficiency and environmental friendliness.

[Learn More](#)

Model	Feeding Size (mm)	Discharging Size (mm)	Productivity (kg/h)	Motor Power (kw)
PCZ-180x150	≤50	<6, <3, <1 (adjustable)	<600	1.5
PCZ-250x360	≤150	<13, <6, <3 (adjustable)	<1200	3
PCX-180x150	≤50	<3 (adjustable)	<120	1.5

Powerful Plastic Crusher Machine

Item Number: KT-HX



Introduction

KINTEK's powerful plastic crusher machines process 60-1350 KG/H of diverse plastics, ideal for labs and recycling. Durable, efficient, and customizable.

[Learn More](#)

Model	180	250	300	400	500	600	700	800
Crushing capacity KG/H	60-110	160-210	215-320	270-480	420-730	470-820	580-950	670-1350
Voltage V	220/380V	380V						
Motor power KW	2.2	4	5.5	7.5	11	15	22	30
Motor power HP	3	5	7.5	10	15	20	30	40
Rotation diameter MM	195	220	220	220	250	275	310	380
Number of blades	6+2	9+2	9+2	12+2	15+2	18+4	21+4	24+4
Number of claw blades	None	12+2	15+2	18+2	21+2	27+4	None	None
Number of flat blades	None	3+2	3+2	3+2	6+2	6+4	6+4	6+4
Screen aperture MM	6	8	8	8	10	10	12	12
Feed port size MM	180×180	260×180	310×220	420×250	510×280	610×310	720×420	820×470
Overall dimensions CM	75×55×95	95×63×102	105×68×120	114×80×128	140×102×152	150×114×160	155×124×185	185×140×202
Machine weight KG	125	230	320	440	580	750	1000	1450

Low-Temperature Water-Cooled Touchscreen Vibratory Ultrafine Pulverizer

Item Number: KT-CG04



Introduction

Low-temperature water-cooled vibratory pulverizer for ultrafine grinding. Preserves material integrity. Ideal for labs and production. Learn more.

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Parameter	Specification
Type	Vibratory Ultrafine Pulverizer (Low-Temperature Water-Cooled Touch Screen Automatic Control)
Main Power Supply	380V / 1.1kW (Motor Brand: Xinbei)
Working Principle	High-frequency vibration
Working Mode	Intermittent
Control Method	Fully automatic intelligent touch screen control
Automated Functions	Automatic lifting, locking, tilting, discharge, and temperature control
Overall Dimensions (L×W×H)	1650 × 900 × 1550 mm
Main Unit Weight	650 kg
Grinding Cylinder Volume	≥ 6 L
Grinding Cylinder Material	304 Stainless Steel
Grinding Rods (Material/Size/Quantity)	304 Stainless Steel / ϕ 20mm × 175mm / 75 rods
Material Box Volume/Quantity	2.0 L / 2 units
Material Box Material	304 Stainless Steel
Feeding Capacity (per batch)	Approx. 0.2 - 0.5 kg
Output Capacity	1.0 - 3.0 kg/h (varies with fineness and material)
Pulverization Fineness (Chinese Medicine/Food)	300 - 3000 mesh
Pulverization Fineness (Chemical/Food/Other)	500 - 5000 mesh (varies with material)
Cell Wall Breakage Rate (Pollen/Spores)	> 95%
Low-Temperature System	Integrated Water Chiller
Refrigeration Power	380V / 2.2kW / 2P
Refrigeration Compressor	American Copeland
Temperature Range	0°C to -25°C
Circulating Refrigerant	Ethylene glycol
Refrigeration Unit Dimensions (L×W×H)	700 × 500 × 1930 mm

Parameter	Specification
Refrigeration Unit Weight	100 kg
Placement Conditions	Suitable for Class 100,000-300,000 GMP cleanrooms; no destructive installation required
Noise Enclosure	Three-layer sound insulation (stainless steel + sound-absorbing plate)



Kintek Solution

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