KINTEK
Solution for researching

KINTEK SOLUTION

Milling Equipment Catalog

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

KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

Company Profile

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficicent and reliable technology and innovations in the scienticfic researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.

Products & Services

Kintek Solution Ltd is headquartered in Zhengzhou, the capital city of Henan Province, China, and its core business includes the manufacture, distribution and sale of all types of scientific research equipment and laboratory consumables. The wide range of products and services covers the following main areas:

- **Sample Preparation Equipment:** We provide high-performance sample preparation equipment such as tablet presses, ball mills, vibrating sieves and tablet punching machines, which are capable of meeting a wide range of sample preparation needs and ensuring high quality experimental data and research results.
- **Thermal Equipment:** Our thermal equipment includes tube furnaces, sintering furnaces, vacuum furnaces, atmosphere furnaces, graphite furnaces, dental furnaces, rotary furnaces, and high-temperature furnaces (e.g., MPCVD, CVD, PECVD, electric rotary kilns). These facilities excel in high-temperature processing and materials synthesis, meeting a wide range of needs from basic research to industrial production.
- **Biochemical equipment:** We offer a wide range of biochemical laboratory equipment, including rotary evaporators, vacuum pumps, cold trap chillers,

heating circulators, reactors, short-range distillation equipment, sterilization equipment, and homogenizers. These equipments are widely used in the fields of chemical reaction, biological processing and pharmaceutical manufacturing.

- **Laboratory Consumables:** We supply a wide range of laboratory consumables such as fine ceramic products, electrochemical consumables, PTFE material products, high purity materials, battery materials, chemical vapor deposition materials, optical materials, thin film deposition components and glass materials. These consumables provide the necessary support for laboratories to ensure the smooth running of experimental processes.

Technological Advantages

Kintek Solution Ltd has significant technological strengths in the field of scientific research equipment and technical solutions, which enable us to stand out in a competitive marketplace and support our customers with cutting-edge technology. The following are our key technological strengths:

Advanced R&D capabilities

- Technological Innovation: Our R&D team is committed to exploring and developing the latest technologies to keep our equipment at the forefront of the industry through continuous technological innovation.
- Customized solutions: Based on the specific needs of our customers, we are able to develop and provide customized equipment to meet specific research requirements and application scenarios.
- Cooperative R&D: We cooperate with leading research institutes and higher education institutions around the world to carry out R&D projects on cutting-edge technologies to ensure that our technologies are always at the forefront of the industry.

High-performance equipment

- Precision design: Our equipment adopts advanced design concepts to ensure high precision, reliability and performance to meet the stringent requirements of scientific research and industrial applications.
- Advanced materials: We use high-quality materials and components to improve the durability and stability of our equipment, extend its service life and reduce maintenance costs.

Strict quality control

- Standardized production: All equipment is manufactured in accordance with international quality standards, and each production step is strictly controlled to ensure product consistency and reliability.
- Comprehensive testing: Comprehensive performance testing and quality inspection are carried out before the equipment is delivered to ensure that it meets the customer's technical specifications and operational requirements.

Comprehensive technical support

- Technical Service: Provide comprehensive technical support and after-sales service, including equipment installation, commissioning, training and maintenance, to ensure that customers can use our products efficiently.
- Rapid Response: We have established a rapid response mechanism, which can promptly solve the problems encountered by customers in the process of use and reduce equipment downtime.

Innovative technology integration

- System Integration: We integrate advanced control systems and automation technologies into our equipment to improve operational efficiency and data accuracy, and streamline operational processes.

Through these technological advantages, Kintek Solution Ltd is able to continue to provide our customers with innovative, efficient and reliable scientific research equipment and solutions to promote the continuous progress of scientific research and industrial applications.

Market position and customers

Kintek Solution Ltd is positioned in the market as a leading global provider of high-tech research equipment and solutions, specializing in biochemical reactions, new materials research, heat treatment, vacuum manufacturing, refrigeration, as well as pharmaceuticals and oil extraction. We are committed to brand leadership in research equipment by providing innovative technology and high quality equipment to meet the needs of research organizations and industrial companies in complex research and production processes.

Core Market Positioning:

- Specialization: We focus on high technology and scientific research, providing advanced equipment and solutions for specialized research institutes, laboratories and industrial applications.
- High-end customers: Our main customers include world-renowned universities, research institutes and various industrial enterprises, which usually have high requirements for equipment performance and technology.
- Technological Innovation: We are committed to technological innovation and customized solutions to ensure that our customers receive cutting-edge technical support to meet the ever-changing needs and challenges in the market.

Market Customer Groups:

- Research Institutes and Universities: including the world's leading research institutes and institutions of higher learning, who require high-performance research equipment and technical support for basic research, applied research and technology development.
- Industrial companies: covering a wide range of industries such as pharmaceuticals, oil extraction, new materials manufacturing and electronic materials production, these companies rely on reliable equipment and solutions to ensure product quality and productivity during production.
- Laboratories and test centers: organizations that provide laboratory services and quality testing, requiring accurate laboratory equipment and instruments for sample analysis and testing.
- Technology Development Companies: Companies that specialize in the development and application of new technologies and have a high demand for innovative equipment and technical solutions to support their R&D projects and technology validation.

Through clear market positioning and customer groups, we are committed to promoting scientific and technological progress, supporting the innovation and development of our global customers, and continuing to provide high-quality products and services to the market.

Team Introduction

The team at Kintek Solution Ltd is at the heart of the company's success. In order to realize our vision and maintain our leadership position in the field of high-tech research equipment, we are committed to building an exceptional team with the following attributes:

1. Professionalism

- Technical Expertise: Our team consists of technical experts and engineers in the field with deep expertise and technical backgrounds to meet complex technical challenges and innovation needs.
- Industry experience: We bring together professionals with extensive experience in the fields of research equipment, material science and engineering technology to ensure a precise grasp of market needs and technological trends.

2. Innovative Spirit

- R&D-driven: The team encourages innovative thinking and technological exploration, supports employees to participate in R&D projects on cutting-edge technologies, and continuously pushes forward the technological advancement of products and solutions.
- Flexible Adaptation: In the face of changing market environment, we have the ability to adapt quickly and flexibly to meet the changing needs of our customers.

3. Collaboration and Communication

- Cross-sectoral collaboration: The team maintains close collaboration between various departments, including R&D, production, sales and customer service, to ensure the smooth progress of projects and timely response to customer needs.
- Efficient Communication: Emphasize internal communication and information sharing, through efficient communication mechanisms and tools to ensure that all team members are consistent with the project goals and progress.

4. Customer Orientation

- Customer Service: Team members are customer-focused and committed to providing quality service and support to ensure that our customers have the best experience in using our products and solutions.

- Customized solutions: the ability to deeply understand the specific needs of customers and provide customized solutions to meet the special requirements of different customers.

5. Professional Training and Development

- Continuous Learning: We provide continuous training and learning opportunities for our team members to ensure that they are always up-to-date with the latest technology and industry knowledge.
- Career Development: We value the career development and growth of our employees, provide clear career paths and promotion opportunities, and motivate our employees to realize their personal goals and career aspirations within the company.

6. Corporate Culture

- Integrity and Responsibility: The team upholds integrity and responsibility, treats work and customers with honesty and fairness, and builds trust and long-term cooperative relationships.
- Unity and Collaboration: Focusing on the spirit of teamwork, the team emphasizes mutual support and joint efforts to achieve the company's goals and promote the overall success of the team.

By building such a highly qualified, innovation-driven and customer-oriented team, we ensure that Kintek Solution Ltd continues to lead in the field of scientific research equipment and provide excellent products and services to our customers worldwide.

At KINTEK, technology fuels our corporate spirit. This dynamic energy awaits you upon joining our team. Expect a distinctive cultural environment where our global business focus opens doors to diverse customs and traditions worldwide. Here, challenging roles promise to propel your career to new heights.

Our exceptional corporate culture sparks innovation, fosters care, and drives continuous progress among individuals and teams. Our team embodies youthfulness, positivity, enthusiasm, and a bold attitude toward challenges. Passionate about our business, our employees ardently contribute to the company's growth.

We seek individuals brave enough to embrace challenges, harbor grand ambitions, and thirst for knowledge. If you're driven by dreams and passion, and aspire to start your

entrepreneurial journey, KINTEK is the platform to actualize your career plans. We don't just offer opportunities; we pave the way for your future.

Join us at KINTEK, where innovation meets opportunity. Let's create a future that's as promising as your aspirations.

Future Plans

Kintek Solution Ltd's future plans are aimed at further strengthening our leadership position in the research equipment sector and driving the company forward in terms of technological innovation, market expansion and customer service. The following are our key future directions:

1. Technology Innovation and R&D

- Cutting-edge technology development: Continue to invest resources in the research and development of cutting-edge technologies, such as artificial intelligence, the Internet of Things and nanotechnology, in order to promote equipment intelligence and automation.
- New Product Lines: Expand existing product lines and develop equipment to meet emerging market needs, especially in the areas of biochemistry, biomedicine and high-performance materials.
- Cooperative R&D: Strengthen cooperation with international research institutes and institutions of higher learning to carry out joint R&D projects to ensure that the technology remains at the global leading level.

2. Market Expansion

- Global Market Expansion: Further expand the global market, especially in emerging markets and developing regions, establish more sales and service networks, and enhance the brand's international influence.
- Industry application: Explore and expand the application fields in other industries, such as new energy, environmental protection technology and intelligent manufacturing, to open up new business growth points.

3. Customer Service Enhancement

- Enhancement of customer support: Establish a more complete customer support system, provide 24/7 technical support and maintenance services, and ensure

the efficient experience of customers in the use of equipment.

- Customized services: Provide more customized services and solutions according to customers' individual needs to enhance customer satisfaction and loyalty.

4. Sustainable Development

- Environmentally friendly technology: Develop and adopt environmentally friendly materials and processes to reduce the environmental impact during the production and use of equipment and promote sustainable development.
- Energy saving and consumption reduction: Optimize the energy efficiency of equipment, reduce energy consumption, improve resource utilization efficiency, and support the development of green technology.

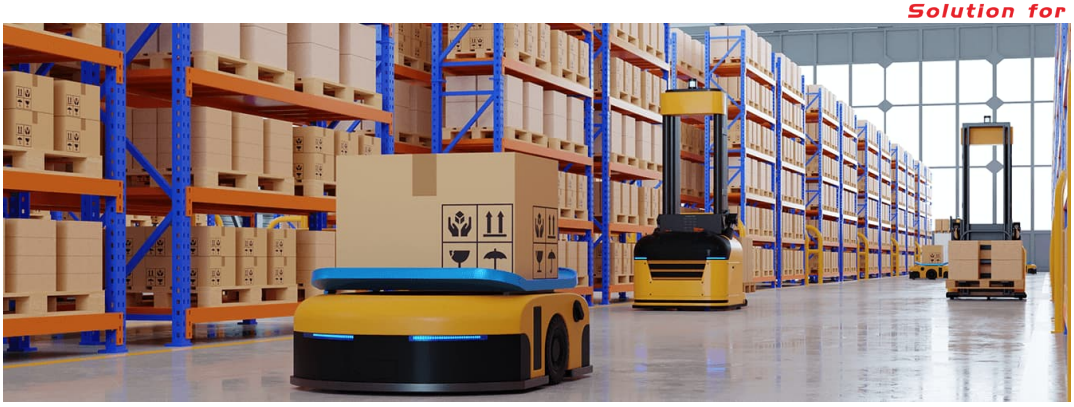
5. Internal optimization

- Intelligent management: Implement intelligent management systems and data analysis tools to improve productivity and management and reduce operating costs.
- Employee Training: Enhance employee training and skills upgrading to build a high-quality team to meet changing market demands and technological challenges.

6. Innovation ecosystem

- Establishment of innovation platform: Create innovation platforms and laboratories to support employees and partners in technological innovation and product development.
- Industry Chain Cooperation: Deepen cooperation with the upstream and downstream of the industry chain, integrate resources, and promote the development and implementation of industry technical standards and market norms.

Through these future plans, Kintek Solution Ltd will continue to lead the forefront of science and technology, provide customers with more advanced and reliable products and services, and at the same time, promote the sustainable development of the enterprise and the progress of the industry.



Mini Planetary Ball Mill

Item Number: KT-P400

Introduction

Discover the KT-P400 desktop planetary ball mill, ideal for grinding and mixing small samples in the lab. Enjoy stable performance, long service life, and practicality. Functions include timing and overload protection.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; Brittle; Dry or wet
Materials input size	
Materials output size	0.1-20 um
Processing volume	
Grinding jar speed	0-900 r/min
Grinding jar material	Tungsten carbide; Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Number of grinding jar	4 pcs
Grinding jar volume	
Grinding ball material	Tungsten carbide; Zirconia; Alumina; Agate; Stainless steel, etc.
Motor power	250W
Net weight	35 kg
Dimensions	L500 * W300 * H350 mm
Protection level	IP65
Quality standards	CE

Rotating Planetary Ball Mill

Item Number: KT-P400E

Introduction

KT-P400E is a desktop multi-directional planetary ball mill with unique grinding and mixing capabilities. It offers continuous and intermittent operation, timing, and overload protection, making it ideal for various applications.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	
Materials output size	0.1-20 um
Processing volume	
Grinding jar speed	0-900 r/min
Planetary disc speed	10 r/min
Grinding jar material	Tungsten carbide; Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Number of grinding jar	4 pcs
Grinding jar volume	100 ml
Grinding ball material	Tungsten carbide; Zirconia; Alumina; Agate; Stainless steel, etc.
Motor power	370W
Net weight	66 kg
Dimensions	L720 * W500 * H500 mm
Protection level	IP65
Quality standards	CE

Horizontal Planetary Ball Mill

Item Number: KT-P400H

Introduction

Improve sample uniformity with our Horizontal Planetary Ball Mills. KT-P400H reduces sample deposition and KT-P400E has multi-directional capabilities. Safe, convenient and efficient with overload protection.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	
Materials output size	0.1-20 um
Processing volume	
Grinding jar speed	0-900 r/min
Grinding jar material	Tungsten carbide; Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Number of grinding jar	4 pcs
Grinding jar volume	100 ml
Grinding ball material	Tungsten carbide; Zirconia; Alumina; Agate; Stainless steel, etc.
Motor power	250W
Net weight	35 kg
Dimensions	L320 * W410 * H510 mm
Protection level	IP65
Quality standards	CE

Vibration Mill

Item Number: KT-VMS

Introduction

Vibration Mill for Efficient Sample Preparation, Suitable for Crushing and Grinding a Variety of Materials with Analytical Precision. Supports Dry / Wet / Cryogenic Grinding and Vacuum/Inert Gas Protection.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	
Materials output size	0.1-20 um
Processing volume	250 / 500ml
Disc panspeed	1500 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Motor power	550/750W
Net weight	218/228kg
Dimensions	L780*W700*H1220 mm
Protection level	IP65
Quality standards	CE

Metal Alloy Grinding Jar With Balls

Item Number: GJ-1

Introduction

Grind and mill with ease using metal alloy grinding jars with balls. Choose from 304/316L stainless steel or tungsten carbide and optional liner materials. Compatible with various mills and features optional functions.

Learn More

Alumina/Zirconia Grinding Jar With Balls

Item Number: AG-2

Introduction

Grind to perfection with alumina/zirconia grinding jars and balls. Available in volume sizes from 50ml to 2500ml, compatible with various mills.

Learn More

Nature Agate Mortar With Pestle

Item Number: AM-1

Introduction

Get high-quality grinding results with Nature Agate Mortar and Pestle. Available in various sizes with shining polished grinding surfaces.

Learn More

Agate Grinding Jar With Balls

Item Number: AG-1

Introduction

Grind your materials with ease using Agate Grinding Jars with Balls. Sizes from 50ml to 3000ml, perfect for planetary and vibration mills.

Learn More

Xrd X-Ray Diffraction Grinder

Item Number: KT-XRD180

Introduction

KT-XRD180 is a miniature desktop multifunctional horizontal grinder specially developed for sample preparation of X-ray diffraction (XRD) analysis.

Learn More

Application samples	fine | low to medium hardness | brittle | dry or low viscosity
Processing Type	Grinding | Blending
Maximum injection size	
Sample particle size range	
Number of ball mill jars	1
Grinding jar volume	180ml | 100ml | 50ml
Number of grinding columns	42
Grinding Media Type	Cylindrical | Spherical
Grinding jar material	Zirconia | Tungsten carbide
Grinding method	dry grinding | wet grinding
Number of rubber rollers	2 pieces
Maximum speed	1800 r/min
Net weight	28kg
Dimensions	260*250*140 mm
Protection class	IP65
Standard	CE

Single Horizontal Jar Mill

Item Number: KT-JM3000

Introduction

KT-JM3000 is a mixing and grinding instrument for placing a ball milling tank with a volume of 3000ml or less. It adopts frequency conversion control to realize timing, constant speed, direction change, overload protection and other functions.

Learn More

Processing principle	Friction
Application sample features	Fine | Medium to low hardness | Brittle | Dry or low viscous
Processing type	grinding | mixing
Maximum injection size	< 5 mm
Sample particle size range	1-20um
Number of ball mill jars	1
The largest ball milling tank volume available	3000ml
Available minimum milling jar volume	250ml
Ball mill tank optional material	Zirconia | Tungsten Carbide | Agate | Nylon Stainless Steel | Polyurethane etc
Grinding media optional type	Spherical | Cylindrical
Grinding ball optional material	Zirconia | Tungsten Carbide | Agate | Stainless Steel | Corundum
Grinding method	Dry grinding | wet grinding
Number of rubber rollers:	2 sticks
Rubber roller speed	900 r/min
Rubber roller cover material	Polyurethane
Rubber roller movement method	electric control
net weight	48kg
Dimensions	680*430*430mm
Protection class:	IP65
standard	CE

Four-Body Horizontal Jar Mill

Item Number: KT-HJM

Introduction

The four-body horizontal tank mill ball mill can be used with four horizontal ball mill tanks with a volume of 3000ml. It is mostly used for mixing and grinding laboratory samples.

Learn More

Processing principle	Friction
Application sample features	Fine | Medium to low hardness | Brittle | Dry or low viscous
Processing type	grinding | mixing
Maximum injection size	< 5 mm
Sample particle size range	1-20um
Number of ball mill jars	4
The largest ball milling tank volume available	3000ml
Available minimum milling jar volume	250ml
Ball mill tank optional material	Zirconia | Tungsten Carbide Agate | Nylon Stainless Steel | Polyurethane etc
Grinding media optional type	Spherical | Cylindrical
Grinding ball optional material	Zirconia | Tungsten Carbide Agate | Stainless Steel | Corundum
Grinding method	Dry grinding | wet grinding
Number of rubber rollers:	3 sticks
Rubber roller speed	900 r/min
Rubber roller cover material	Polyurethane
Rubber roller movement method	electric control
net weight	88kg
Dimensions	670*660*310mm
Protection class	IP65
standard	CE

Ten-Body Horizontal Jar Mill

Item Number: KT-HJM10

Introduction

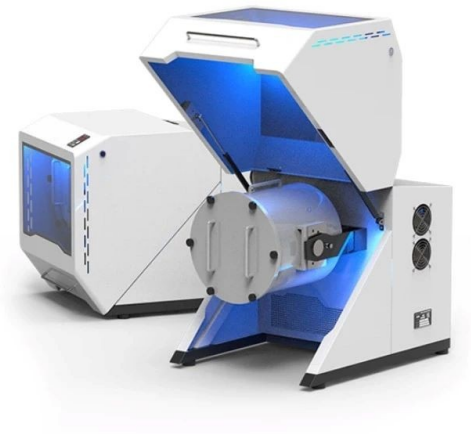
The Ten-body horizontal jar mill is for 10 ball mill pots (3000ml or less). It has frequency conversion control, rubber roller movement, and PE protective cover.

Learn More

Processing principle	Friction
Application sample features	Fine | Medium to low hardness | Brittle | Dry or low viscous
Processing type	Grinding | mixing
Maximum injection size	< 5 mm
Sample particle size range	1-20um
Number of ball mill jars	10
The largest ball milling tank volume available	3000ml
Available minimum milling jar volume	250ml
Ball mill tank optional material	Zirconia | Tungsten Carbide | Agate | Nylon Stainless Steel | Polyurethane etc...
Grinding media optional type	Spherical | Cylindrical
Grinding ball optional material	Zirconia | Tungsten Carbide Agate | Stainless Steel | Corundum
Grinding method	dry grinding | wet grinding
Number of rubber rollers:	6 sticks
Rubber roller speed	900 r/min
Rubber roller cover material	Polyurethane
Rubber roller movement method	electric control
net weight	165kg
Dimensions	1330*670*740mm
Protection class:	IP65
standard	CE

Lab Roller Mill

Item Number: KT-RM40



Introduction

The roller mill is a horizontal grinder with 1-20L batch grinding capacity. It uses different tanks, rotating to grind samples below 20um. Features include stainless steel construction, soundproof cover, LED lighting, and PC window.

Learn More

Processing principle	Friction
Application sample features	Fine | Medium to low hardness | Brittle | Dry or low viscous
Processing type	Grinding | mixing
Maximum injection size	< 20 mm
Sample particle size range	< 20 mm
Number of ball mill jars	1
Grinding jar volume	5L | 10L | 20L | 40L
Batch feeding amount	1-20L
Grinding jar material	Stainless steel | nylon
Grinding media type	Grinding Balls | Grinding Rods
Grinding ball optional material	Stainless Steel | Zirconia
Grinding method	Dry grinding | wet grinding
Number of rubber rollers	6 sticks
Rubber roller speed	100 r/min
Rubber roller movement method	Frequency Control
net weight	110kg
Dimensions	660*1010*740 (open cover height 1480) mm
Protection class:	IP65
standard	CE

High Energy Planetary Ball Mill

Item Number: KT-BMP2000

Introduction

The high-energy planetary ball mill KT-BMP2000 can not only perform fast and effective grinding, but also has good crushing ability. It can crush and grind hard samples with large particle size, which can meet more processing needs of users.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	
Materials output size	0.1-20 um
Processing volume	2000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	X axis planetary movement
Motor power	100-120V/200-240V AC ,50-60Hz,750W
Net weight	92kg
Dimensions	L570*W570*H420 mm
Protection level	IP65
Quality standards	CE

High-Energy Omnidirectional Planetary Ball Mill

Item Number: KT-P2000E

Introduction

The KT-P2000E is a new product derived from the vertical high-energy planetary ball mill with a 360°rotation function. The product not only has the characteristics of the vertical high-energy ball mill, but also has a unique 360°rotation function for the planetary body.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 10 mm
Materials output size	0.1-20 um
Processing volume	2000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	X | Y axis 360° change planetary motion
Motor power	100-120V/200-240V AC ,50-60Hz,870W
Net weight	233kg
Dimensions	L1120*W685*H780 mm
Protection level	IP65
Quality standards	CE

High Energy Planetary Ball Mill (Horizontal Tank Type)

Item Number: KT-P2000H

Introduction

The KT-P2000H uses a unique Y-axis planetary trajectory, and utilizes the collision, friction and gravity between the sample and the grinding ball.

Learn More

Grinding principle	Impact | Friction | Gravity
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 10 mm
Materials output size	0.1-20 um
Processing volume	2000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	Y-axis planetary movement
Motor power	100-120V/200-240V AC ,50-60Hz,750W
Net weight	106kg
Dimensions	L720*W560*H510 mm
Protection level	IP65
Quality standards	CE

Cabinet Planetary Ball Mill

Item Number: KT-CPBM

Introduction

The vertical cabinet structure combined with ergonomic design enables users to obtain the best comfortable experience in standing operation. The maximum processing capacity is 2000ml, and the speed is 1200 revolutions per minute.

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 20 mm
Materials output size	0.1-20 um
Processing volume	2000ml
Disc panspeed	1`200 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	X axis planetary movement
Motor power	220V/380V AC ,50-60Hz,1500W
Net weight	326kg
Dimensions	L780*W700*H1220 mm
Protection level	IP65
Quality standards	CE

High Energy Planetary Ball Mill

Item Number: KT-P4000

Introduction

The biggest feature is that the high energy planetary ball mill can not only perform fast and effective grinding, but also has good crushing ability

Learn More

Grinding principle	Impact & friction force
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 10 mm
Materials output size	0.1-20 um
Processing volume	4000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	X axis planetary movement
Motor power	100-120V/200-240V AC ,50-60Hz,750W
Net weight	106kg
Dimensions	L720*W500*H500 mm
Protection level	IP65
Quality standards	CE

High-Energy Omnidirectional Planetary Ball Mill

Item Number: KT-P4000E

Introduction

The KT-P4000E is a new product derived from the vertical high-energy planetary ball mill with a 360° swivel function. Experience faster, uniform, and smaller sample output results with 4 ≤1000ml ball mill jars.

Learn More

Grinding principle	Impact | Friction | Gravity
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 10 mm
Materials output size	0.1-20 um
Processing volume	4000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	X | Y axis 360° change planetary motion
Motor power	100-120V/200-240V AC ,50-60Hz,870W
Net weight	242kg
Dimensions	L1120*W685*H780 mm
Protection level	IP65
Quality standards	CE

High Energy Planetary Ball Mill (Horizontal Tank Type)

Item Number: KT-P4000H

Introduction

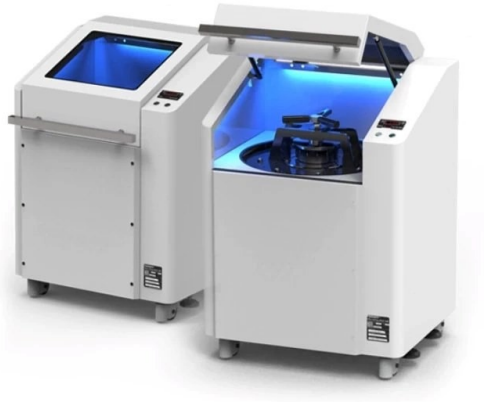
KT-P4000H uses the unique Y-axis planetary motion trajectory, and utilizes the collision, friction and gravity between the sample and the grinding ball to have a certain anti-sinking ability, which can obtain better grinding or mixing effects and further improve the sample output.

Learn More

Grinding principle	Impact | Friction | Gravity
Suitable materials	Small and medium-low hardness; brittle; dry or wet
Materials input size	< 10 mm
Materials output size	0.1-20 um
Processing volume	4000ml
Disc panspeed	800 r/min
Grinding panmaterial	Tungsten carbide;Ceramic; Agate; Stainless steel; Harden steel; Nylon, etc.
Planetary disk space movement mode	Y-axis planetary movement
Motor power	100-120V/200-240V AC ,50-60Hz,750W
Net weight	115kg
Dimensions	L720*W560*H510 mm
Protection level	IP65
Quality standards	CE

Disc / Cup Vibratory Mill

Item Number: KT-DVM



Introduction

The vibrating disc mill is suitable for non-destructive crushing and fine grinding of samples with large particle sizes, and can quickly prepare samples with analytical fineness and purity.

Learn More

Model	KT-DVM300	KT-DVM600
Maximum injection size		
Sample particle size range		
Batch effective processing volume	15-250 ml	15-500 ml
Grinding disc speed	1500 r/min	1500 r/min
Vacuum/inert protection grinding	support	support
Movement mode	circular movement	circular movement
Time setting	9999min	9999min
Number of grinding discs	1	1
Grinding disc volume	50ml | 100ml | 250ml	100ml | 250ml | 500ml
Grinding disc material	tungsten carbide | zirconia | agate | stainless steel, etc.	tungsten carbide | zirconia | agate | stainless steel, etc.
Grinding method	dry grinding | wet grinding	dry grinding | wet grinding
Electrical description	380V, 50-60Hz, 1.5KW	380V, 50-60Hz, 1.5KW
Power port	European standard | American standard | British standard | Australian standard, etc.	European standard | American standard | British standard | Australian standard, etc.
Net weight	218kg	228kg
Dimensions (W*D*H)	780*650*1080mm	780*650*1080mm
Protection class	IP65	IP65
Standard	CE	CE
Additional configurations can be added	cryogenic liquid nitrogen cooling | touch operating system | grinding disc temperature and pressure monitoring	cryogenic liquid nitrogen cooling | touch operating system | grinding disc temperature and pressure monitoring

Disc Cup Vibrating Mill Multi-Platform

Item Number: KT-DVMP

Introduction

The multi-platform vibrating disc mill is suitable for non-destructive crushing and fine grinding of samples with large particle sizes. It is suitable for crushing and grinding applications of medium-hard, high-hard, brittle, fibrous, and elastic materials.

Learn More

Model	KT-DVMP2000	KT-DVMP2000-P
Maximum injection size		
Sample particle size range		
Batch effective processing volume	35-3000 ml	35-3000 ml
Grinding disc speed	1500 r/min	1500 r/min
Vacuum/inert protection grinding	support	support
Movement mode	circular movement	circular movement
Time setting	9999min	9999min
Number of grinding discs	1	4
Grinding disc volume	100ml | 250ml | 500ml | 2000ml optional	100ml | 250ml | 500ml optional
Grinding disc material	Stainless Steel | Tungsten Carbide | Zirconia Optional	Stainless Steel | Tungsten Carbide | Zirconia Optional
Grinding method	dry grinding | wet grinding	dry grinding | wet grinding
Electrical description	380V,50-60Hz,2.2KW	380V, 50-60Hz, 2.2KW
Power port	three phase	three phase
Net weight	320kg	320kg
Dimensions (W*D*H)	740*640*1110mm	740*640*1110mm
Protection class	IP65	IP65
Standard	CE	CE

Micro Tissue Grinder

Item Number: KT-MT10

Introduction

KT-MT10 is a miniature ball mill with a compact structure design. The width and depth are only 15X21 cm, and the total weight is only 8 kg. It can be used with a minimum 0.2ml centrifuge tube or a maximum 15ml ball mill jar.

Learn More

Maximum injection size	< 6 mm
Sample particle size range	0.1-20 um
Grinding method	Dry grinding | wet grinding | low temperature grinding
Operating principle	8-track high-frequency three-dimensional movement
Range of motion	12mm
Movement frequency	3000 times/min
Grinding carrier type	Ball mill jar | cell disruption adapter
Ball mill material	Tungsten carbide | zirconia | stainless steel | polytetrafluoroethylene, etc. optional
Number of ball mill jars	1
Ball mill jar volume	15 ml
Grinding Ball Material	Zirconia | Stainless Steel | Tungsten Carbide Optional
Grinding ball size	0.1-15mm
Configurable centrifuge tube volume	0.2ml | 0.5ml | 2ml | 5ml
Cell breaking adapter	0.2mlX25 | 0.5mlX12 | 2mlX5 | 5mlX4
Electrical description	200-240V AC, 50-60Hz, 30W
Power port	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	8kg
Dimensions (width, depth and height)	50*210*220 mm
Protection class	IP65
Standard	CE
Additional items	Transparent PC protective cover, liquid nitrogen dry ice cooling

Hybrid Tissue Grinder

Item Number: KT-MT20

Introduction

KT-MT20 is a versatile laboratory device used for rapid grinding or mixing of small samples, whether dry, wet, or frozen. It comes with two 50ml ball mill jars and various cell wall breaking adapters for biological applications such as DNA/RNA and protein extraction.

Learn More

Recommended maximum injection size	< 8 mm
Sample particle size range	~5 um
Grinding method	dry grinding | wet grinding | low temperature grinding
Grinding platform (number of tanks)	2
Movement mode	Y plane arc reciprocating movement
Vibration frequency	180-1800 r/min
Control mode	LCD screen frequency conversion control
Time setting	59:59:59 (h/m/s)
Ball mill material	tungsten carbide | zirconia | stainless steel | MC nylon | PTFE, etc.
Ball mill jar volume	50ml | 30ml
Ball mill tank sealing method	sealing ring + thread fastening
Grinding ball size	1-25m optional
Grinding ball material	tungsten carbide | zirconia | agate | stainless steel
Cell breaking adapter volume	10X0.2ml | 5X2ml | 5X5ml
Electrical description	100-110V/200-240V AC, 50-60Hz, 150W
Power port	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	48kg
Dimensions (length, width and height)	470*360*250
Protection class	IP63
Standard	CE

High Throughput Tissue Grinder

Item Number: KT-MT

Introduction

KT-MT is a high-quality, small, and versatile tissue grinder used for crushing, grinding, mixing, and cell wall breaking in various fields, including food, medical, and environmental protection. It is equipped with 24 or 48 2ml adapters and ball grinding tanks and is widely employed for DNA, RNA, and protein extraction.

Learn More

Model	K-MT24	K-MT48
Recommended maximum injection size	< 10mm	< 10mm
Sample particle size range	0.1-20um	0.1-20um
Grinding method	dry grinding | wet grinding | low temperature grinding	dry grinding | wet grinding | low temperature grinding
Number of ball mill jars	2	2
Range of motion	35mm	55mm
Movement mode	8-track high-frequency three-dimensional movement	8-track high-frequency three-dimensional movement
Vibration frequency	3000 times/min	3000 times/min
Control mode	LCD screen frequency conversion control	LCD screen frequency conversion control
Time setting	99:99:99□h:m:s□	99:99:99□h:m:s□
Ball mill material	Zirconia | Tungsten Carbide | Stainless Steel | PTFE Optional	Zirconia | Tungsten Carbide | Stainless Steel | PTFE Optional
Ball mill jar volume	15mlX2 | 25mlX2 | 50mlX2	15mlX2 | 25mlX2 | 50mlX2
Grinding carrier type	ball mill jar | cell disruption adapter	ball mill jar | cell disruption adapter
Grinding ball size	0.1-25m optional	0.1-25m optional
Configurable centrifuge tube volume	0.2ml | 0.5ml | 2ml | 5ml etc.	0.2ml | 0.5ml | 2ml | 5ml etc.
Cell breaking adapter	0.2-2ml X 24 | 5-15ml X 8	0.2-2ml X 48 | 5-15ml X 8
Adapter material	PC | MC	PC | MC
Centrifuge tube material	EP	EP
Electrical description	200-240V AC,50-60Hz,150W	200-240V AC,50-60Hz,200W
Power port	National Standard | European Standard | American Standard | British Standard, etc.	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	28kg	32kg
Dimensions (length, width and height)	380*480*350mm	380*480*350mm
Protection class	IP65	IP65
Standard	CE	CE

Noise description	<60dB	<60dB

High Energy Vibratory Ball Mill (Single Tank Type)

Item Number: KT-VB100

Introduction

High-energy vibration ball mill is a small desktop laboratory grinding instrument.It can be ball-milled or mixed with different particle sizes and materials by dry and wet methods.

Learn More

Maximum injection size	< 1 mm
Sample particle size range	0.1-20um
Maximum processing volume	80ml
Sample minimum throughput	1g
Ball milling tank speed	1700r/min
Movement mode of ball mill jar	High-frequency three-dimensional motion
Ball mill material	Tungsten carbide | Zirconia | Stainless steel optional
Number of ball mill jars	1
Ball mill tank volume	25ml / 50ml / 80ml optional
Grinding ball material	Tungsten carbide | Zirconia | Stainless steel optional
Grinding method	Dry Grinding | Wet Grinding | Vacuum Grinding
Electrical description	220V AC, 50-60Hz, 250W
Power port	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	35kg
Dimensions (L*W*H)	430*318*268mm
Protection class	IP65
Standard:	CE

High Energy Vibratory Ball Mill (Double Tank Type)

Item Number: KT-VB200

Introduction

High-energy vibration ball mill is a small desktop laboratory grinding instrument. It uses 1700r/min high-frequency three-dimensional vibration to make the sample achieve the result of grinding or mixing.

Learn More

Maximum injection size	< 1 mm
Sample particle size range	0.1-20um
Maximum processing volume	160ml
Sample minimum throughput	1g
Ball milling tank speed	1700r/min
Movement mode of ball mill jar	High-frequency three-dimensional motion
Ball mill material	Tungsten carbide | Zirconia | Stainless steel optional
Number of ball mill jars	2
Ball mill tank volume	25ml / 50ml / 80ml optional
Grinding ball material	Tungsten carbide | Zirconia | Stainless steel optional
Grinding method	Dry Grinding | Wet Grinding | Vacuum Grinding
Electrical description	220V AC, 50-60Hz, 500W
Power port	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	68kg
Dimensions (L*W*H)	620*320*268mm
Protection class	IP65
Standard:	CE

Mortar Grinder

Item Number: KT-MG200

Introduction

KT-MG200 mortar grinder can be used for mixing and homogenizing powder, suspension, paste and even viscous samples. It can help users realize the ideal operation of sample preparation with more regularization and higher repeatability.

Learn More

Suitable materials	soft | hard | brittle | pulpy
Treatment type	grinding
Maximum injection size	< 8 mm
Sample particle size range	< 10-20um
Batch effective processing capacity	10-190ml
Maximum speed	100 rpm
Mortar volume	700ml
Mortar material	Zirconia | Tungsten Carbide | Onyx | Stainless Steel Available
Pestle material	Zirconia | Tungsten Carbide | Onyx | Stainless Steel Available
Material of pestle	Type 304 stainless steel
Usher and pestle pressure adjustment	Adjust the handle vertically
Usher and pestle position adjustment	Knob for lateral adjustment
Scraper material	PTFE | Nylon Optional
Scraper adjustment	Adjustable pressure | Adjustable lateral position
Grinding time setting	9999 h | min | s
Stop time setting	9999 h | min | s
Grinding method	Dry Grinding | Wet Grinding | Cryogenic Grinding
Net weight	38 kg
Overall dimension	310*330*430 mm
Electrical description	110-220V, 50-60Hz, 150W
Protection level	IP65
Quality standard	CE

Nano Sand Mill For Laboratory

Item Number: KT-NM2000

Introduction

KT-NM2000 is a nano-scale sample grinder for laboratory desktop use. It uses 0.1-1mm diameter zirconia sand grinding media, zirconia grinding rods and grinding chambers to achieve friction and shear forces during high-speed rotation.

Learn More

Grinding chamber volume	1000ml
Processing method	batch or loop
Grinding chamber material	Zirconia
Grinding rod material	
Chamber cover material	
Cooling tube material	304 stainless steel
Grinding media material	Zirconia
Grinding media diameter	0.1–1mm
Grinding method	wet grinding
Screening particle size range	1–50nm
Rotating speed	2000 rpm
control method	Frequency Control
Circulating cooling system	yes
Cooling medium	Coolant
Sample circulation system	yes
Circulation flow rate	8L/min
Micro Sample Disperser	yes
Diffuser speed	1800r/min
High borosilicate sampling cup	yes
Sampling cup volume	2500ml
Diffuser bracket material	304 stainless steel
Quick-Removable Coolant Bottle	yes
Electrical description	100-120V/200-240V AC ,50-60Hz, 1100W
Power port	National standard / European standard / American standard / British standard, etc.
Net weight	85kg
Dimensions (width, depth and height)	470*470*290mm
Protection class	IP65

Standard	CE

Cross Percussion Mill

Item Number: KT-CPM500

Introduction

Suitable for a variety of soft, tough, fibrous and hard dry samples. It can be used for batch processing and continuous coarse crushing and fine crushing. (animal feed, bones, cables, cardboard, electronic components, feed pellets, foils, food□etc.

Learn More

Maximum injection size	< 25 mm
Sample particle size range	< 200um
Grinding method	dry grinding
Operating principle	high speed rotation
Rotation diameter	128mm
Rotating speed	2000-4000r/min
Rotation line speed	14-28m/s
Speed can be set	yes
control method	Frequency Control
Rotary knife material	Stainless Steel | Tempered Steel
Grinding cavity material	
Chamber cover material	Stainless steel
Chamber cover fixing method	Locating pin + hand wheel
Screen material	Stainless steel
Mesh specifications	0.2-10mm
Sample collection bucket material	Stainless steel
Collection bucket volume	5L-30L
Inlet and outlet sample funnel material	Stainless steel
In and out sample method	Top in, bottom out
Bracket	50*50mm detachable and lifting aluminum alloy stand with universal wheels
Electrical description	200-240V AC, 50-60Hz, 1100W
Power port	National Standard | European Standard | American Standard | British Standard etc.
Net weight	28kg
Instrument size (width*depth*height)	390*435*248 (including funnel height 430)
Stand size (width*depth*height)	550*560*720mm
Protection class	IP65
Standard	CE

Additional items	Sampler

Liquid Nitrogen Cryogenic Vibration Ball Mill

Item Number: Kt-VBM100

Introduction

Kt-VBM100 is a laboratory desktop high-performance vibrating ball mill and sieving dual-purpose small and lightweight instrument. The vibrating platform with a vibration frequency of 36,000 times/min provides energy.

Learn More

Maximum injection size	< 5 mm
Sample particle size range	20um
Grinding amount	1g-20g
Vibration frequency	3000-3600r/min
Vibration amplitude	3mm
Vibration mode	two dimensional
Liquid nitrogen freezing method	Immersion
Grinding temperature	-196°C — 40°C
Ball mill material	Stainless Steel | Tungsten Carbide | Zirconia
Number of ball mill jars	1
Ball mill tank volume	150ml
Grinding ball material	Stainless Steel | Tungsten Carbide | Zirconia
Grinding Ball Diameter	40-60mm
Grinding method	Dry Grinding | Wet Grinding | Cryogenic Grinding
Screening method	dry sieving | wet sieving
Mesh Diameter	100mm | 150mm
Dry screening range	20um - 63mm
Wet screening range	20um - 10mm
Maximum sieving weight	3kg
Screen layers	2-5 floors
Drive mod	mechanical drive
Electrical description	100-120V/200-240V AC, 50-60Hz, 150W
Power port	National Standard | European Standard | American Standard | British Standard, etc.
Net weight	35kg
Dimensions (width, depth and height)	400*300*200mm
Protection class	IP65
Standard	CE

Additional items	Wet Screening Locking Platen and Screen Bottom with Nozzles, PC Shield for Cryogenic Grinding

Nano High Energy Ball Mill

Item Number: KT-MAX2000

Introduction

KT-MAX2000 is a laboratory desktop nano-scale grinding equipment. It is used by placing two ball mill jars with a volume of 125ml or less.

Learn More

Recommended maximum injection size	< 5 mm
Sample particle size range	< 80nm
Grinding method	Dry Grinding | Wet Grinding | Vacuum Grinding
Grinding platform (number of cans)	2
Movement method	Horizontal high-frequency circular motion
Rotating speed	300-2000 r/min
Crushing time setting	99h: 99m: 99s
Ball mill material	Stainless Steel | Hard Steel Tungsten Carbide | Zirconium Oxide | PTFE
Ball mill tank volume	80ml | 125ml
Grinding ball material	Tungsten carbide | Zirconium oxide | Agate | Stainless steel
Grinding ball size	1-30m optional
Ball mill tank seat material	aluminum alloy
Working platform material	aluminum alloy
Electrical description	100-120V | 200-240V AC, 50-60Hz, 1500W
Power port	National Standard | European Standard | American Standard | British Standard etc.
Net weight	128kg
Dimensions (width, depth and height)	520*520*380
Protection class	IP30
Standard	CE

Hybrid High Energy Vibratory Ball Mill

Item Number: KT-BM400

Introduction

KT-BM400 is used for rapid grinding or mixing of dry, wet and frozen small amount of samples in the laboratory. It can be configured with two 50ml ball mill jars

Learn More

Recommended maximum injection size	< 8 mm
Sample particle size range	~ 5um
Grinding method	Dry Grinding | Wet Grinding | Cryogenic Grinding
Grinding platform (number of cans)	2
Movement method	plane arc reciprocating motion
Vibration frequency	180-1800 r/min
Control method	LCD display
Time setting	59:59:59 (h/m/s)
Ball mill material	Tungsten carbide | zirconia | stainless steel | MC nylon|PTFE, etc.
Ball mill tank volume	50ml | 30ml
The sealing method of the ball mill jar	Sealing ring + screw fastening
Grinding ball size	1-25m optional
Grinding ball material	Tungsten carbide | Zirconium oxide | Agate | Stainless steel
Cell breaking adapter volume	10x0.2ml | 5x2ml | 5x5ml
Electrical description	100-120V/200-240V AC, 50-60Hz, 150W
Power port	National Standard | European Standard | American Standard | British Standard etc.
Net weight	48kg
Dimensions (LWH)	470*360*250
Protection class	IP63
Standard	CE

High Energy Vibratory Ball Mill

Item Number: KT-BM500

Introduction

The high-energy vibrating ball mill is a high-energy oscillating and impacting multifunctional laboratory ball mill. The table-top type is easy to operate, small in size, comfortable and safe.

Learn More

product name	Hybrid High Energy Vibratory Ball Mill	Hybrid High Energy Vibratory Ball Mill Low Temperature Type	High energy vibratory ball mill multi-platform
Model	KT-BM500	KT-BM500-L	KT-BM500-P
Recommended maximum injection size			
Sample particle size range	~0.1um		
Grinding method	Dry grinding | Wet grinding | Vacuum grinding	Dry grinding | Wet grinding | Vacuum grinding | Cryogenic grinding	Dry grinding | Wet grinding | Vacuum grinding
Grinding platform (number of cans)	2		6
Movement method	Y-plane arc-shaped high-frequency reciprocating motion		
Vibration frequency	180-1800 r/min		
Classic Smash Time	10-60s		
Ball mill material	Tungsten carbide | Zirconium oxide | PTFE | Nylon | Hard steel | Stainless steel	Stainless Steel | Tungsten Carbide | Zirconia	
The maximum volume of the ball mill tank	2X125ml		6X125ml
Fixing method of ball mill jar	screw fastening		
Grinding ball size	1-30mm optional		
Grinding ball material	Tungsten carbide | Zirconium oxide | Agate | Stainless steel		
Control method	Frequency Control		
Electrical description	100-120V | 200-240V AC, 50-60Hz, 750W		
Power port	National Standard | European Standard | American Standard | British Standard etc.		
Net weight	126kg		
Dimensions (width, depth and height)	680*540*320		
Protection class	IP30		
Standard	CE		

High Energy Planetary Ball Mill F-P2000

Item Number: KT-P2000

Introduction

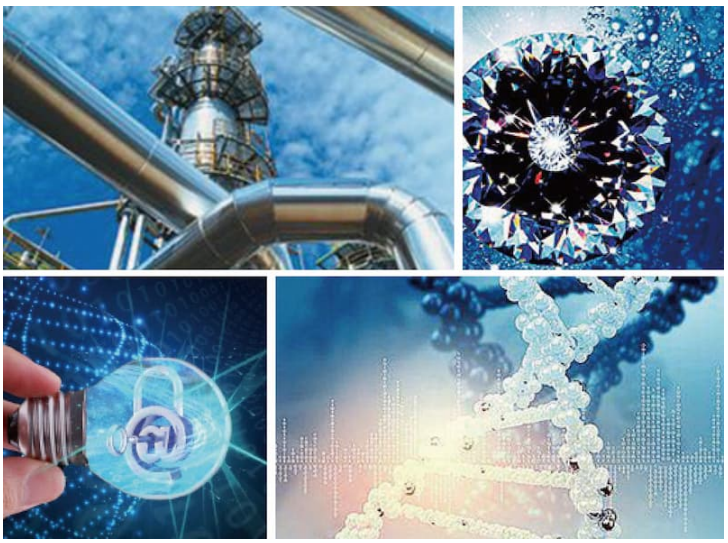
Experience fast and effective sample processing with the F-P2000 high-energy planetary ball mill. This versatile equipment offers precise control and excellent grinding capabilities. Perfect for laboratories, it features multiple grinding bowls for simultaneous testing and high output. Achieve optimal results with its ergonomic design, compact structure, and advanced features. Ideal for a wide range of materials, it ensures consistent particle size reduction and low maintenance.

Learn More

Product name	High energy planetary ball mill
Model	F-P2000
Processing principle	impact force friction
Application sample characteristics	fine | medium to low hardness | brittle | dry or low viscosity
Processing type	crush|grind|mix
Maximum injection size	10mm
Sample particle size range	0.1-20um
Maximum processing volume	2000ml
Maximum speed of ball mill tank	800r/min
Transmission mode	European standard
Space movement mode	X-axis planetary motion
Function	Continuous and intermittent operation | Emergency stop | Timing | Power outage memory | Overload and hazardous operation protection
Additional features	LED Lighting|Heat Dissipation
Ball mill tank material	Tungsten carbide zirconia | agate | stainless steel | MC nylon and other optional
Number of ball mill tanks	4□
Ball mill tank volume	500ml
Grinding ball material	Tungsten carbide | zirconia | agate | stainless steel, etc. optional
Grinding method	Dry grinding|Wet grinding
Electrical Description	100-120V/200-240VAC,50-60Hz,750W
Power port	National Standard | European Standard | American Standard | British Standard, etc.

Net weight	92kg
Dimensions (length, width and height)	570*570*420mm
Protection level	IP650
Standard	CE
Additional configurations available	Ultra-low temperature liquid nitrogen cooling touch operating system

Main accessories	Recommended standard configuration volume: 500ml	√: means it can be configured		×: indicates that it cannot be matched	
Ball mill tank	Material:	Type	100ml	250ml	500ml
	Tungsten carbide	Classic	√	√	√
		Vacuum type	√	√	×
	Zirconia	Classic	√	√	√
		Vacuum type	√	√	×
	Agate	Classic	√	√	√
		Vacuum type	√	√	×
	MC nylon	Classic	√	√	√
		Vacuum type	√	√	
	Stainless steel	Classic	√	√	√
		Vacuum type	√	√	√
	Polyurethane	Classic	√	√	√
		Vacuum type	√	√	×
	PTFE	Classic	√	√	√
		Vacuum type	√	√	×
	Corundum	Classic	√	√	√
		Vacuum type	√	√	×
Grinding ball	Diameter(mm)	Material			
	3/5/10/15/20	Tungsten carbide | Zirconia | Agate | Stainless steel | Corundum			



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