

Ultrasonic Cell Disruptor

Ultrasonic Cell Disruptor

Application:

Widely used in the field such as biology, chemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science, pharmacy for teaching, scientific research and production.

Features:

- * LCD display.
- * 50 groups of program data can be stored
- * Temp. monitor: over-temperature protection
- * Other functions: automatic tracking the frequency, fault alarm

Technical Parameters:

Model	UCD-150	UCD-250	UCD-500	UCD-650	UCD-950	UCD-1200	UCD-1500	UCD-1800	UCD-2000
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Crushing Capacity(ml)	0.2~150	0.2~250	0.2~400	0.2~500	0.2~700	10~1000	50~1500	50~1800	50~2000
Standard Amplitude-change Pole Ø (mm)	Anyone among below amplitudes. More amplitudes will be optional					12			
Optional Amplitude-change Pole Ø(mm)	2, 3, 6, 8	2, 3, 6, 8, 10	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	10, 12, 15, 20, 25	10, 12, 15, 20, 22, 25	10, 12, 15, 20, 25	10, 12, 15, 20, 25, 28
Consumption (W)	0~150	0~250	0~500	0~650	0~900	0~1200	0~1500	0~1800	0~2000
Power Supply	AC110/220V±10%, 50/60Hz								
Package Size (W*D*H) mm	400*400*560 (acoustic chamber)								
Gross Weight(kg)	30								

Technical Parameter for Amplitude Pole:

Size	Ø2	Ø3	Ø6	Ø8	Ø10	Ø12	Ø15	Ø20	Ø22	Ø25	Ø28
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	20~25	20~25/19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Consumption(W)	0~250	0~400	20~600	50~600	100~800	200~950	300~1000	400~1200	400~1200	800~1800	1000~2200
Crushing capacity(ml)	0.2~5	3~10	10~100	20~200	50~300	100~500	100~600	100~1000	200~1000	500~1200	500~2000

Continuous Flow Ultrasonic Cell Disruptor

Application:

It is suitable for the extraction of Chinese herbal medicine, cells, bacteria and emulsifying chemical nanometer material, suitable for small batch production or to provide accurate technical parameters for the future industrial production.

Features:

- * LCD Display
- * Automatic tracking the frequency
- * 20 groups of program data can be stored
- * It can test and control temperature of the sample
- * Function of automatic feeding and computer control can be optional equipped



Technical Parameters:

Model	UCD-4000W-II
Frequency(KHz)	20
Standard Amplitude-change Pole Ø (mm)	40
Optional Amplitude-change Pole Ø (mm)	20, 25, 30, 38, 50, 60
Crushing Capacity/Once	500ml~5L
Crushing Capacity/Continuously	100L/Day
Max Consumption(W)	4000, Adjustable
Time set	Optional, Continuous/Pulse
Max. Working Time	99h59min59sec
Safety System	Automatic diagnosis, Overload, Over-temperature protection
Standard Accessories	5L~316 stainless steel reactor, Low temperature water bath, Discharge xavie
Power Supply	AC220V/110V±10%, 50/60Hz
Package Size(W*D*H)	640*350*460mm, 400*400*1000mm, 450*450*850mm, 400*250*260mm
Gross Weight	80kg

Portable Ultrasonic Cell Disruptor

Features:

- * LCD Display
- * Temperature alarm setting range: 0~100°C
- * Ultrasonic time setting for on and off: 0.1-9.9s
- * Audible alarm for: Over temperature, over power, over time
- * Other optional accessory: Foot switch, sound proof box, Amplitude Pole (Ø 2, 3 or 6mm)



Technical Parameters:

Model	UCD-PO1
Frequency(KHz)	20~25, frequency automatic tracking
Crushing Capacity(ml)	3~10(If choose Ø 3), 5~100(If choose Ø 5)
Standard Amplitude Pole Ø(mm)	3 or 5
Generator Output Consumption(W)	250
Ultrasonic Consumption(W)	250 (can be adjusted according to customer's demand)
Power Supply	AC220V/110V±10%, 50/60Hz
Package Size(W*D*H) mm	570*350*470(main body)
Gross Weight(kg)	18

Disintegrator

Micro-Soil & Plant Disintegrator

Features:

- * Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
- * Featured by lightweight, small volume, compact structure, continuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.



Technical Parameters:

Model	MPD-102
Mesh Size (mm)	0.5/1/1.5
Working Time	Continuous
Grinding (Mesh)	60~120
Speed (rpm)	1400rpm
Consumption	250W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	300*185*280
Package Size(W*D*H) mm	350*240*290
Net Weight(kg)	15±0.5
Gross Weight(kg)	19.5

High-speed Universal Disintegrator



HSD-80



HSD-100/200



HSD-400A

Technical Parameters:

Model	HSD-80	HSD-100	HSD-200	HSD-400A
Speed (rpm)	10000	26000	26000	26000
Size of Grinding room (mm)	Ø80*40	Ø100*40	Ø125*56	Ø150*80
Grinding (mesh)	40~200			
Input Quantity (≤G/time)	50	100	200	400
Consumption	200W	800W	800W	1000W
Power Supply	AC220V, 50Hz			
External Size(W*D*H) mm	Ø110*210H	Ø160*320H	Ø160*360H	230W*190D*420H
Net Weight(kg)	2.5	4	5	13
Gross Weight(kg)	3	5	6	14

Middle-Size Disintegrator

Features:

- * Excellent air-tightness, stable performance, continuous working time, time and cost saving.
- * Casting steel grinding system, which is durable and efficient.
- * Convenient to clean, easy to operate, and reliable.



Technical Parameters:

Model	MD120	MD160	MD220
Speed (rpm)	6500	5000	5000
Diameter of Screen Mesh (mm)	Winnowing type	Ø0.5, Ø1.0, Ø1.5	Ø0.5, Ø1.0, Ø1.5
Grinding (mesh)	80~200	40~120	40~120
Output (Kg/H)	2~4	3~6	8~20
Consumption	1500W	1500W	3000W
Power Supply	AC220V, 50Hz		380V, 50Hz
External Size(W*D*H) mm	350*330*660	580*330*615	700*380*700
Net Weight(kg)	54	58	99
Gross Weight(kg)	61	61	120

Ball Mill

Optional:

Selection of pot's material: Pot's material has no pollution to the grinding materials and no effect to the appearance of powder.

Technical Parameters:

Category & Request of Grinding Material	Reference for Mill Pots' Material Option
Soil and other Materials which impurities are not allowed to be brought.	Agate Pot
Metal and non-metal materials which impurities are not allowed to be brought.	Zirconia Pot
High hardness materials like diamond, hard alloy.	Hard Alloy Pot
Strong acid and strong alkali substances, and materials under high temperature.	PTFE Mill Pot
Iron and steel minerals, impurities are not highly sensitive materials.	304 Stainless Steel Mill Pot
Pigment material, and materials which can be processed at high temperature.	Nylon Mill Pot
Containing aluminum material like ceramic glaze.	Corundum Pot
Electronic material like lithium battery.	Polyurethane Mill Pot
Easily oxidized materials which need to be protected by special gas.	Vacuum Mill Pot



Nylon Mill Pot



PTFE Mill Pot



Zirconia Pot



Hard Alloy Pot



Polyurethane Mill Pot



Stainless Steel Mill Pot

Matching Ways for Mill Pots and Balls:

	Agate Grinding Ball	Zirconia Grinding Balls	Tungsten Carbide Balls	Stainless Steel Balls	Alumina Balls	Polyurethane core ball	Steel Ball
Agate Mill Pot	▲						
Zirconia Mill Pot		▲					
Hard Alloy Mill Pot			▲				
PTFE Mill Pot	▲						
Stainless Steel Mill Pot				▲			
Nylon Mill Pot		▲					
Corundum Mill Pot					▲		
Polyurethane Mill Pot						▲	

Remarks: ▲ Best Match

Best Match Ratio: Large-sized Ball: 20%; Medium-sized Ball: 50%; Small-sized Ball: 30%.



Stainless steel mill pot can be matched with stainless steel ball



Zirconia mill pot can be matched with zirconia balls



Corundum mill pot can be matched with alumina balls



Hard Alloy mill pot can be matched with zirconia balls



Nylon mill pot can be matched with zirconia balls



PTFE mill pot can be matched with agate balls



Polyurethane mill pot can be matched with Agate balls



Tempered nylon mill pot can be matched with agate balls



Agate mill pot can be matched with agate balls

Vertical Planetary Ball Mill(Semi-circle Type)

Application:

Planetary Ball Mill has four ball grinding tanks installed on one turntable. When the turntable rotates, the tank axis makes planetary movements, the balls and samples inside the tanks are impacted strongly in high speed movement, and samples are eventually ground into powder. Various kinds of different materials can be ground by the mill with dry or wet method. Minimum granularity of ground powder can be as small as 0.1 μ m.



Features:

- * 3D curve shape design.
- * Special gear with low noise.

Technical Parameters:

Model	BKBM-V0.4	BKBM-V2
Capacity	0.4L	2L
Volume of Each Capacity	50~100ml	50~500ml
Pot Quantity	4 pcs	
Running Time Range	1~9999min	
Reciprocal Running Time	1~999min	
Adjustable Speed Revolution	45~435rpm	35~335rpm
Rotation	90~870rpm	70~670rpm
Noise	≤58dB	≤60dB
Speed Control Mode	Frequency Control	
Transmission Mode	Gear Drive	
Working Mode	2 or 4 pots can be used each time	
Max Volume of Each Pot	2/3	
Feed Size	Soft and Crispy material<10mm, Other materials<3mm	
Out-put Granularity	Minimum Granularity can be reached to 0.1 μ m	
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation	
Consumption	0.25KW	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	530*300*340	730*430*550
Package Size(W*D*H)mm	595*360*485	820*530*720
Net Weight(kg)	26	74
Gross Weight(kg)	30	80

Vertical Planetary Ball Mill(Square Type)



Features:

- * 3D curve shape design.
- * Special gear with low noise.

Website: www.biobase.cc / www.meihuatrade.com

Technical Parameters:

Model	BKBM-V2S
Capacity	2L
Volume of Each Capacity	50~500ml
Pot Quantity	4pcs
Running Time Range	1~9999min
Reciprocal Running Time	1~999min
Adjustable Speed Revolution	35~335rpm
Rotation	70~670rpm
Noise	≤60dB
Speed Control Mode	Frequency Control
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1 μ m
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	770*470*570
Package Size(W*D*H)mm	820*540*680
Net Weight(kg)	93
Gross Weight(kg)	98

Light Horizontal Planetary Ball Mill



Features:

- * Horizontal structure of grinding pots.
- * Special gear with low noise.



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan



Pneumatic Rod

Email: export@biobase.com

Technical Parameters:

Model	BKBM-H2L
Capacity	2L
Volume of Each Capacity	50-500ml
Pot Quantity	4 pcs
Running Time Range	1-9999min
Reciprocal Running Time	1-999min
Adjustable Speed Revolution	35-335rpm
Rotation	70-670rpm
Noise	≤60dB
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1pm
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Speed Control Mode	Frequency Control
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	700*570*520
Package Size(W*D*H)mm	800*610*670
Net Weight(kg)	105
Gross Weight(kg)	123

Jaw Crusher

Features:

- * High reduction ratio, uniform discharging granularity
- * Low power consumption and easy maintenance



BKJC-1525



BKJC-2575

Technical Parameters:

Model	BKJC-1525	BKJC-2540	BKJC-4060	BKJC-1575	BKJC-2575
Inlet Size	150*250mm	250*400mm	400*600mm	150*750mm	250*750mm
Max Feeding Granularity	≤125mm	≤210mm	≤340mm	≤125mm	≤210mm
Scope of Outlet Size	10-40mm	20-60mm	40-100mm	10-40mm	10-50mm
Handling Capacity	700-5000kg/h	3-13T/h	10-40T/h	5-15T/h	8-22T/h
Spindle Speed	350rpm	300rpm	275rpm	300rpm	500rpm
Consumption	5.5KW	15KW	30KW	15KW	22KW
Power Supply	380V, 50Hz				
External Size(W*D*H)mm	900*700*890	1108*1142*1392	1700*1732*1653	1220*1480*1180	1400*1617*1412
Package Size(W*D*H)mm	1000*800*1090	1208*1242*1592	1800*1832*1853	1320*1580*1380	1500*1717*1612
Gross Weight(kg)	500	3050	6850	3650	5650

Closed Jaw Crusher

Application:

The Crusher can crush all kinds of minerals in metallurgy mine, chemical industry, building materials, fireproofing materials, ceramics and labs.



BKJC-1060



BKJC-1060S

Technical Parameters:

Model	BKJC-1060S	BKJC-1060	BKJC-1210	BKJC-1512
Inlet Size	100*60mm	100*60mm	125*100mm	150*125mm
Max Feeding Granularity	≤50mm	≤50mm	≤80mm	≤100mm
Scope of Outlet Size	0.1-15.1mm	6-10mm	5-25mm	6-38mm
Production Capacity	45-550kg/h	230-400kg/h	400-1800kg/h	500-3000kg/h
Spindle Speed	600rpm	650rpm	500rpm	500rpm
Consumption	2.2KW	1.5KW	3KW	3KW
Power Supply	380V, 50Hz			
External Size(W*D*H)mm	1100*450*780	950*470*520	1150*450*860	1150*480*860
Package Size(W*D*H)mm	1200*550*980	1050*570*720	1250*550*1060	1250*580*1060
Gross Weight(kg)	232	160	290	320