

行星式球磨機 Planetary Ball Mill

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球磨機系列 Ball Mill Series



BRS-2S / BRS-4S



BRS-2S

BRS-4S

特點：

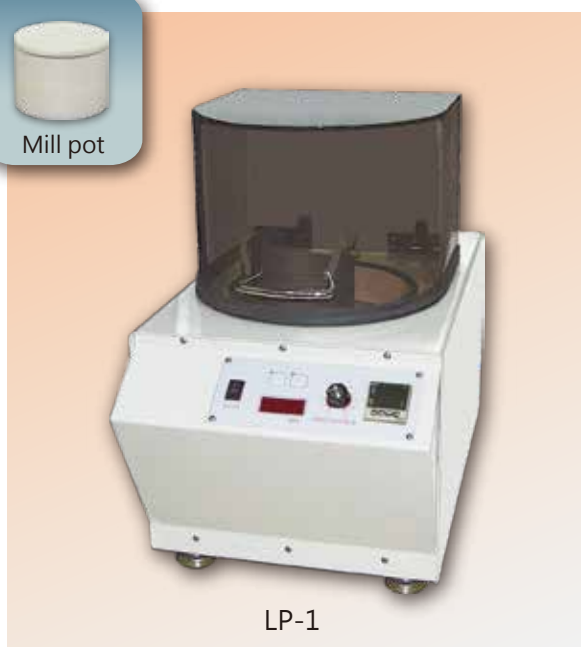
- 應用於材料微小化研磨、粉碎及分散，陶瓷粉末、化學品、塗料、礦石、食品 ... 等。
- 安全鎖緊裝置可快速安全的鎖緊研磨罐。
- 可任意搭配各種研磨介質，例如：氧化鋯球、氧化鋁球、不鏽鋼球、瑪瑙球、玻璃球 .. 等，本公司亦有銷售可提供選擇。
- 設備操作與保養清潔容易。

Feature：

- Suitable for various particle materials to finer powder through the grinding, crushing and dispersing actions of the machine operation, for example: ceramic powders, chemicals, coatings, minerals, food, and so on
- Safety locking device helps a quick & secure locking the mill pot
- Available to be with a variety of mill balls for optional purchasing. For example: zirconium oxide balls, alumina balls, stainless steel balls, agate balls, glass balls, etc
- Easy operation and clean



Mill pot



LP-1

Model	BRS-2S	BRS-4S	LP-1
馬力 Motor	120W		370W
轉速 Speed (rpm)	600		0 ~ 450
定時設定 Time setting	0 ~ 99 Hr · 59 Min		
球磨罐容量 Mill pot capacity	45 ml	45 ml	500 ml
球磨罐數量 Quantity of mill pot(s)	2	4	1
重量 Weight (kg)	46	50	80
尺寸 Size (W x L x H mm)	395 x 490 x 360		390 x 640 x 550
電源 Power	AC110V / 220V, 50 / 60Hz		

◎球磨罐無附屬 Mill pot is not included.

冷凍型行星式球磨機
Refrigerated Type Planetary Ball Mill



BRS-2SR / BRS-4SR

特點：

- 適用於少量研磨，同時研磨2或4個研磨罐。
- 安全鎖緊裝置可快速安全的鎖緊研磨罐。
- 應用於材料微小化研磨、粉碎及分散，陶瓷粉末、化學品、塗料、礦石、食品... 等等。
- 可任意搭配各種研磨介質，例如：氧化鋯球、氧化鋁球、不鏽鋼球、瑪瑙球、玻璃球... 等，本公司亦有銷售可提供選擇。
- 設備操作與保養清潔容易。
- 具數字顯示轉速及溫度。

Feature：

- Applying to small volume grinding, and able to operate 2 or 4 mill pots at the same time
- Safety locking device helps a quick & secure locking the mill pot
- Suitable for various particle materials to finer powder through the grinding, crushing and dispersing actions of the machine operation, for example: ceramic powders, chemicals, coatings, minerals, food, and so on
- Available to be with a variety of mill balls for optional purchasing. For example: zirconium oxide balls, alumina balls, stainless steel balls, agate balls, glass balls, etc
- Easy operation and clean
- Digital speed and Temperature display



掀蓋內部 Inside (BRS-2SR)

Model	BRS-2SR		BRS-4SR
馬力 Motor	120 W		
轉速 Speed	600 rpm		
定時設定 Time setting	0 ~ 99 Hr · 59 Min		
溫度範圍 Temperature Range	0 ~ 40°C		
球磨罐容量 Mill pot capacity	45 ml		
球磨罐數量 Quantity of mill pot(s)	2		4
重量 Weight (kg)	90		94
尺寸 Size (W x L x H mm)	640 x 635 x 340		
電源 Power	AC110V / 220V, 50 / 60Hz		

◎球磨罐無附屬 Mill pot is not included.

震動式球磨機 Vibratory Ball Mill

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球磨機系列 Ball Mill Series



MC-4A



掀蓋內部 Inside

振動式球磨機，透過高頻率振動時，所產生的撞擊力與磨擦力，使物料來達到破碎、研磨、細化作用。
廣泛應用於陶瓷、顏料、藥品、生醫材料、玻璃材料、化工、非金屬礦.....等領域。

This is a vibratory type of the ball mill, which can crush, grind and fine the materials through an impact force and friction generated by high-frequency vibration.

Widely used in ceramics, paints, pharmaceuticals, biomedical materials, glass materials, chemicals, non-metallic minerals fields and so on.

特點：

- 桌上型，操作簡易，方便。
- 適用小量之研磨。
- 數位99小時59分定時裝置。

Feature :

- Desktop type, easy and convenient.
- Suitable for milling the small volume
- With a digital timer (up to 99:59)

Model	MC-4A
馬力 Motor	90 W
轉速 Speed (rpm)	1350
定時設定 Time setting	0 ~ 99 Hr · 59 Min
球磨罐容量 Mill pot capacity	10 ml
球磨罐數量 Quantity of mill pot(s)	4
振幅 Amplitude	7 mm
重量 Weight (kg)	60 Kg
尺寸 Size (W x L x H mm)	373 x 525 x 425
電源 Power	AC 110V / 220V, 50 / 60Hz

◎球磨罐無附屬 Mill pot is not included.

桌上型球磨機 Benchtop Ball Mill



IBMTC-30 (加蓋Lid) / IBMT-30 / IBMT-45



IBMTP-30



BMT-30D



特點：

- 轉速採無段變速。
- 數位式轉速顯示。
- 附定時裝置。
- 具過載保護裝置。
- 可適用不同大小之球磨罐。
- 軸距可調整。
- IBMTP-30型可高低速切換及手動式切換正反轉。

Feature：

- Stepless-changeable speed
- Digital speed display
- With a time pre-setting device
- With an over-loaded protection device
- Suitable for different sizes of mill pots
- Distance between rollers is adjustable
- IBMTP-30 is a dual-speed switch type and also can be manually switched forwarding / reversing.

Model	IBMTC-30 (加蓋 Lid)	IBMT-30	IBMTP-30	IBMT-45	BMT-30D	IBMT-38-4
轉速 Speed (rpm)	0 ~ 1,200		0 ~ 400	0 ~ 1,200	0 ~ 570	0 ~ 600
球磨罐 Pot (mm)	Ø100~200	Ø100~250			Ø60~100	Ø40~130
滾軸數量 Roller Q'ty	2				3	4
滾軸尺寸 Roller Dimension(Ø x L)	Ø25 x L300			Ø25 x L450	Ø30 x L380	Ø30 x L380
滾軸調整距離 Adjustable Distance(mm)	95 ~ 205				65 ~ 115	50 ~ 115
時間設定 Time setting	0 ~ 99 Hr · 59 Min					
尺寸 Size (W x L x H mm)	520x350x435	520 x 300 x 270		670x300x270	580 x 300 x 230	600 x 365 x 286
馬力 Motor	90W		60W	90W		
電源 Power	AC 110V/220V, 50/60Hz					

◎球磨罐無附屬 Mill pot is not included.

搖擺球磨機 Swaying Ball Mill



IBMUR-100-1



IBMTR-30



IBMTR-45

特點：

- 轉速採無段變速。
- 數位式轉速顯示。
- 附定時裝置。
- 可適用不同大小之球磨罐。
- 軸距可調整。
-
- 具過載保護裝置。

Feature：

- Stepless-changeable speed
- Digital speed display
- With a time pre-setting device
- Available to use different sizes of mill pots
- Distance between rollers is adjustable
- Rollers are with rolling & swaying functions.
- With an over-loaded protection device



搖擺示意圖
Swaying Imagination

Model	IBMUR-100-1	IBMTR-30	IBMTR-45
轉速 Speed (rpm)	0 ~ 600	0 ~ 1200	
搖擺速度Speed (EPM)	0 ~ 30	0 ~ 45	
搖擺角度 Wave Swing Angle	10°		
球磨罐 Pot	Ø120 ~ 300mm	Ø110 ~ 250mm	
滾軸尺寸 Roller Dimension(Ø x L)	Ø50 x L650	Ø25 x L300	Ø30 x L450
滾軸調整距離 Adjustable Distance(mm)	155 ~ 225	95 ~ 180	102 ~ 177
定時設定 Time setting	0 ~ 99 Hr · 59 Min		
尺寸 Size (W x L x H mm)	970 x 425 x 420	435 x 325 x 286	625 x 367 x 355
馬力 Motor	375W	90W	120W
電源 Power	AC 110V / 220V, 50 / 60Hz		

◎球磨罐無附屬 Mill pot is not included.

落地型球磨機 Floor-Type Ball Mill

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球磨機系列
Ball Mill Series



BMU-100



IBMU-100-1



IBMU-100-3



IBMU-100-3 (三層型)

特點：

- 轉速採無段變速。
- 數位式轉速顯示。
- 附定時裝置。
- 可適用不同大小之球磨罐。
- 軸距可調整。
- IBMU-100-3為可堆疊式。

Feature：

- Stepless-changeable speed
- Digital speed display
- With a time pre-setting device
- Suitable for different sizes of mill pot
- Distance between rollers is adjustable
- Model IBMU-100-3 is stackable

Model	BMU-100	IBMU-100-1	IBMU-100-3
轉速 Speed (rpm)	0 ~ 600		
球磨罐 Pot	Ø120 ~ 300mm		
滾軸數量 Roller Q'ty	2		
滾軸尺寸 Roller Dimension(Ø x L)	Ø50 x L650		
滾軸調整距離 Adjustable Distance(mm)	115 ~ 235		
定時設定 Time setting	0 ~ 99 Hr · 59 Min		
堆疊 Stackable	No		Yes
尺寸 Size (W x L x H mm)	970 x 384 x 360		970 x 535 x 360
馬力 Motor	400W		
電源 Power	AC 110V / 220V, 50 / 60Hz		

◎球磨罐無附屬 Mill pot is not included.

大型球磨機 High Capacity Ball Mill



BBU-404



BBUH-204



TBM-60

特點：

- 應用於材料微小化研磨、粉碎及分散。
- TBM-60球磨罐採全不銹鋼SUS316材質。
- TBM-60罐內具檔板裝置，加強衝擊研磨效果。
- BBU-404 & BBU-304 & BBU-204 採用無刷馬達，控制器為各別獨立，無段變速，數位轉速顯示。
- BBUH系列為有加裝全蓋式防護蓋。

Feature：

- Suitable for miniaturizing, crushing, and dispersing materials.
- The mill pot of TBM-60 is stainless SUS316.
- The baffle design inside the mill pot of TBM-60 can enhance the impact and crush effects.
- Different layers of BBU-404 & BBU-304 & BBU-204 have different controllers independently; these models are with the brushless motor, the stepless speed control and digital speed display.
- BBUH type is with a complete protection hood.

Model	BBU-404 / BBUH-404	BBU-304 / BBUH-304	BBU-204 / BBUH-204
轉速 Speed (rpm)	0 ~ 420		
球磨罐 Pot	Ø90 ~ 160mm	Ø90 ~ 240mm	Ø70 ~ 135mm
滾軸數量 Roller Q'ty	16 (4 / 層 Layer)	12 (3 / 層 Layer)	8 (2 / 層 Layer)
滾軸尺寸 Roller Dimension(Ø x L)	Ø50 x L1200	Ø50 x L1000	
電源 Power	AC 110 / 220V , 50 / 60 Hz		
馬力 Motor	750W x 4	750W x 3	750W x 2
備註 Remark	2 ~ 4 層式 (可各別控制) 2 ~ 4 Layer Type (separate control)		
尺寸 Size (W x L x H mm)	1650 x 650 x 1700	1400 x 710 x 1930	1450 x 600 x 1280

Model	TBM-60
轉速 Speed (rpm)	0 ~ 96
容量 Capacity (L)	60
入料口 Input (mm)	110
電源 Power	3Φ, AC 220V, 50/60Hz
馬力 Motor	750W
尺寸 Size (W x L x H mm)	1140 x 610 x 1120

◎球磨罐無附屬 Mill pot is not included.

球磨罐及球磨珠 Mill Pot & Mill Balls



陶瓷球磨罐 Pottery Pot



不銹鋼球磨罐 Stainless mill pot

■ 陶瓷球磨罐 Pottery Pot

Model	PP-500	PP-1000	PP-2000	PP-3000	PP-5000	PP-10000
Max. Speed (rpm)	130	110	90	85	75	60
Useful cap. (ml)	500	1000	2000	3000	5000	10000
Total cap. (ml)	800	1600	2800	4500	7500	15500
Size (Ø x H mm)	Ø120 x 150H	Ø150 x 180H	Ø180 x 210H	Ø210 x 240H	Ø240 x 300H	Ø300 x 260H

■ 不銹鋼球磨罐 Stainless mill pot

Model	S10	S13	S15	S18	S20
Total cap. (ml)	650	1300	2300	3600	5500
Size (Ø x H mm)	Ø100 x 100H	Ø125 x 125H	Ø150 x 150H	Ø175 x 175H	Ø200 x 200H

* 特殊規格可定製 Special specifications can be customized.



氧化鋁球 A1203 Ball



玻璃球 Glassball



氧化鋯 Y2O3-ZrO2



瑪瑙球 SiO2 Ball

■ 各種粉碎及分散用球 (另有鋼珠、鐵珠、不銹鋼珠，可訂製)

Various mill balls for pulverizing and separating options. (Also includes steel balls, iron balls, stainless steel balls, etc.) And are available for customizing.