

# 超音波振動研磨機 / Ultrasonic Lapping Machine

AR-800 目錄頁數 P.3 / Page. 3



Ultrasonic Lapping Machine with micro vibration stroke and extra-high frequency (22,000 times per second), which can easily handle most intricate jobs for various molds and dies.

The difficult traditional process of slots, ribs, detail corners, intricate areas becomes so easy with time saving, and efficiently reach a quality result of polishing and finishing Process.

## Features:

- \* Powerful output :  
Max.45 watts of output power enables you to achieve any polishing task at the best performance.
- \* Auto feedback system :  
Machine itself will automatically adjust frequency according to different tools to get the best performance.
- \* Electronic transformer with regulation :  
To maintain the machine in good performance and protect it from damage even at an unstable supply of electric voltage.
- \* Detecting circuit of suspending :  
When handpiece is not in used, the unit will automatically reduce the output power. It does not only prolong the life of the handpiece transducer but also keep the tools from heating up .

AR-108 目錄頁數 P.4 / Page. 4



## Applications:

- \* For polish and grinding of the mold & die.
- \* For cutting and deburning of plastics on intricate area.
- \* For correction of PCB patterns.
- \* For fine engraving or polishing of stone, glass and jewelry.
- \* For cutting of rubber film, clothe, etc.



AR-600 (E) 目錄頁數 P.5 / Page. 5



超音波振動研磨機，以每秒兩萬多次的超高頻微細振動，可輕鬆地解決各種模具的複雜或細微部位之加工。

以前難以加工的溝槽、肋骨、角落或複雜及微細等部位，現在使用超音波振動研磨機，將可有效且省時地完成各種模具之研磨及拋光工作。

## 運用:

- \* 各種磨具之研磨及拋光。
- \* 塑膠製品複雜、精細部位之切斷或去毛邊。
- \* 印刷電路板(PCB)電子迴路修改。
- \* 石頭、玻璃、寶石等之精細雕刻或拋光。
- \* 布、橡膠薄膜等之切斷。



AR-600 目錄頁數 P.6 / Page. 6



## 特長:

- \* 強勁的輸出功率：  
最大45瓦的輸出功率，提供有效且快速之加工作業。
- \* 自動追尾迴路：  
機器會根據各種不同工具，自動檢測並選擇最佳之輸出振頻以發揮各種工具之最佳性能。
- \* 電子穩壓變壓器：  
電子變壓器兼具穩壓效果，即使在電源不穩定之情況下，依然可維持機器良好的操作性能，且可保護機器不致受損。
- \* 空振檢知迴路設計：  
當手機未與工件接觸時，機器會自動降低輸出功率，以延長手機壽命，並可防止工具因空振導致發燙或燒毀。

## 專業研磨與拋光工具 / Professional Grinding & Polishing Tools



鑽石磨棒  
Diamond Mounted Points

連結 / Link :



鑽石機械銼刀  
Diamond Machine Files

連結 / Link :



陶瓷纖維油石  
Ceramic Fiber Stones

目錄頁數 P.22 / Page. 22



鑽石膏  
Diamond Compounds

連結 / Link :



羊毛輪  
Felt Bobs

目錄頁數 P.21 / Page. 21



彈性帶柄砂輪  
Elastic Mounted Points

目錄頁數 P.27 / Page. 27

- \* 一品鑽石提供以上專業的拋光與研磨工具，適用於所有的電動拋磨機使用，歡迎選購
- \* 以上連結之QR CODE 可直接連線到一品鑽石的線上目錄，若無法使用 QR CODE 請至 [www.besdia.com](http://www.besdia.com) 查閱詳細產品規格
- \* We supply professional polishing and grinding tools, your interest & business will be warmly welcomed.
- \* Please use QR Code to connect with BEST DIAMOND' s catalogue online. Or please visit our website at [www.besdia.com](http://www.besdia.com)



## 超音波振動研磨機 / Ultrasonic Lapping Machine

### AR-800旗艦多功能型 Multi-function Flagship Type

#### Flagship 旗艦主打



AR-800 超音波振動研磨機 - 標準規格表  
Ultrasonic Lapping Machine - Specification

電源控制器 Power Controller	
電源 Main supply	AC-90V ~ 250V, 50/60 Hz
超音波輸出 Ultrasonic output	45 watts
振頻 Vibration frequency	18 ~ 26 kHz
振幅 Stroke amplitude	3 ~ 40 μm
振頻調整 Frequency adjustment	自動追尋 / auto-tracing
消耗功率 Power consumption	300 watts
保險絲 Fuse	3A time-lag type
直流馬達輸出 Output of DC motor	5 ~ 32V
有刷輸出功率 Power of DC brush	Max. 150 watts
無刷輸出功率 Power of DC brushless	Max. 300 watts
尺寸 Dimensions	170x260x140mm
重量 Weight	2.72 kg
手機 Handpiece	
超音波手機 Ultrasonic handpiece	* GS-H26
尺寸 Dimensions	∅27x125mm
重量 Weight	15g
旋轉手機 Rotary handpiece	
有刷手機 Brush handpiece	Ⓞ
無刷手機 Brushless handpiece	U-Lap 60

註/ Note: \* 亦可選用GS-H04手機 / GS-H04 could be selected instead of the model  
Ⓞ 選購配備 / Optional accessory

### 基礎應用實例 (Applications):



模具精修 Mold & Die Polish  
研磨加工 Grinding  
細縫及溝槽微加工 Connection of Intricate area  
PCB板迴路修改 Connection of PCB patterns

全新設計旗艦型機種，擁有最先進的多功能設計，結合超音波，有刷及無刷直流等三種輸出。

- 無刷直流輸出最大300瓦，有刷直流輸出最大150瓦，提供各種手機有更高的扭力，發揮其最佳的研磨效果。
- 先進的高效率微處理器，使超音波的拋光效果更加穩定，更有效率。
- 在使用無刷手機時，LED轉速顯示，讓您可依據各種不同的工具，調整最合適轉速，以達到最有效率且安全的研磨效果。
- 每次啟動機器，系統會自動地將轉速歸“零”，避免因手機高速啟動而造成危險。
- 本機之標準配備含有超音波手機(GS-H26)及無刷旋轉手機(U-Lap 60)各一支。

With the most advanced design that provides the multi-function of Ultrasonic, Brush DC (direct-current) and Brushless DC output.

- All new design with high-efficiency microprocessor that give the machine with perfect performance.
- The brushless DC with max. 300 watts and brush DC with max. 150 watts output power that gives your handpiece with high torque and high speed running.
- The LED speed display shows you the running speed of brushless handpiece. You can select the best and safe speed according to various tools and diameter.
- Once turn on the machine, the system will automatically adjust the speed to "Zero", that keep you away from the damage caused by high speed running of handpiece.
- This machine includes one each of ultrasonic and brushless handpiece.

### AR-800 整組實際內容物 (標準組) AR-800 set include (Standard)

超音波手機 Ultrasonic Handpiece		(GS-H26) ∅27x125mm
無刷手機 Brushless handpiece		(U-Lap60) ∅29x161mm
電源線 Power Cord		18AWG x3Cx180cm
手機線 Handpiece Cord		3Cx150cm
六角扳手 Wrench (HEX)		HEX (62mm)
手機座 Handpiece Rest		110x50x35 mm
夾頭拆卸架 Tool Changing rack		For 10mm Holder
扳手 Wrench		140mm (10/12)
轉控頭 (M6) Adapter (M6)		For M6 Shank Tool
夾頭 (∅3.0mm) Holder (∅3.0mm)		For ∅3mm shank Tool
夾頭 (3.0mm) Holder (3.0mm)		For oil Stone (3mm)
夾頭 (1.0mm) Holder (1.0mm)		For ceramic Fiber Stone (1.0mm)
腳踏開關 Foot Switch		Cord Length 150cm

## 超音波振動研磨機 / Ultrasonic Lapping Machine

### AR-108單功能型 Single Function Practical Type

TOP SALE!!  
熱銷商品!!



AR-108 超音波振動研磨機 - 標準規格表  
Ultrasonic Lapping Machine - Specification

電源控制器 Power Controller	
電源 Main supply	AC-90V ~ 250V, 50/60 Hz
超音波輸出 Ultrasonic output	40 watts
振頻 Vibration frequency	18 ~ 25 kHz
振幅 Stroke amplitude	10 ~ 35 μm
振頻調整 Frequency adjustment	自動追尋 / auto-tracing
消耗功率 Power consumption	46 watts
保險絲 Fuse	2A time-lag type
直流馬達輸出 Output of DC motor	無 / None
有刷輸出功率 Power of DC brush	無 / None
無刷輸出功率 Power of DC brushless	無 / None
尺寸 Dimensions	192x156x96mm
重量 Weight	0.7 kg
手機 Handpiece	
超音波手機 Ultrasonic handpiece	GS-H06
尺寸 Dimensions	∅30x130mm
重量 Weight	175g

### AR-108 整組實際內容物 (標準組) AR-108 set include (Standard)

超音波手機 Ultrasonic Handpiece		(GS-H06) ∅30x130mm
電源線 Power Cord		18AWG x3Cx180cm
手機線 Handpiece Cord		3Cx150cm
六角扳手 Wrench (HEX)		HEX (62mm)
手機座 Handpiece Rest		110x50x35 mm
夾頭拆卸架 Tool Changing rack		For 11mm Holder
扳手 Wrench		140mm (10/11)
夾頭 (∅3.0mm) Holder (∅3.0mm)		For ∅3mm shank Tool
夾頭 (1.0mm) Holder (1.0mm)		For ceramic Fiber Stone (1.0mm)
腳踏開關 Foot Switch		Cord Length 150cm

### 基礎應用實例 (Applications):



模具精修 Mold & Die Polish  
細縫及溝槽微加工 Correction of Intricate area  
PCB板迴路修改 Correction of PCB patterns



## 超音波振動研磨機 / Ultrasonic Lapping Machine

### AR-600(E)雙功能強力型 Dual-function Powerful Type



- AR-600(E)為AR-208、AR-303之升級版。全新的設計，採用高效率微處理器使操作性能更穩定且提升拋光效率。
- 超音波及DC馬達雙輸出，提供您雙重功能之各種研磨及拋光作業。
- 最大45瓦之超音波輸出，使拋光效率更加提升。
- 有刷DC馬達輸出電壓為5-30伏特，輸出功率為60瓦。
- AR-600(E) is the upgrade model of AR-208 and AR-303. All new design with high-efficiency microprocessor that gives the machine with more steady and effective performance.
- This dual-function machine provides you the versatility of both Ultrasonic and mechanical polishing.
- Max.40 watts output that satisfy various of polishing works.
- Max. 45 watts Ultrasonic output makes polishing job more effective.
- Brush DC motor output is 5-30 volt and output power is 60 watts.

### AR-600E 超音波振動研磨機 - 標準規格表 Ultrasonic Lapping Machine - Specification

電源控制器 Power Controller	
電源 Main supply	AC-90V ~ 250V, 50/60 Hz
超音波輸出 Ultrasonic output	45 watts
振頻 Vibration frequency	18 ~ 26 kHz
振幅 Stroke amplitude	3 ~ 40 μm
振頻調整 Frequency adjustment	自動追尋 / auto-tracing
消耗功率 Power consumption	80 watts
保險絲 Fuse	2A time-lag type
直流馬達輸出 Output of DC motor	5 ~ 30V
有刷輸出功率 Power of DC brush	Max. 60 watts
無刷輸出功率 Power of DC brushless	無 / None
尺寸 Dimensions	170x260x140mm
重量 Weight	2.0 kg
手機 Handpiece	
超音波手機 Ultrasonic handpiece	GS-H04
尺寸 Dimensions	Ø33x146mm
重量 Weight	254g
旋轉手機 Rotary handpiece	
有刷手機 Brush handpiece	⊙

註/ Note : ⊙ 選購配備 / Optional accessory

### 基礎應用實例 (Applications):



## 超音波振動研磨機 / Ultrasonic Lapping Machine

### AR-600三功能實用型 Triple Function Practical Type



- AR-600採用高效率微處理器設計，使操作性能更穩定且提升拋光效率。
- 結合超音波、有刷直流及無刷直流三種輸出，滿足更多功能手機使用。
- 無刷直流輸出功率最大100瓦，有刷輸出為60瓦。
- 無刷手機的優點為：高轉速、高扭力、壽命長、低噪音，不必更換碳刷且無碳刷產生的粉塵。
- AR-600 with high-efficiency microprocessor design that gives the machine with more steady and effective performance.
- Combine the Ultrasonic, brush DC and brushless DC output in one package, you can adapt most of the handpiece for your polishing work.
- Brushless DC output power is 100 watts and brush DC output power is 60 watts.
- The advantage of Brushless handpiece are : high speed, high torque, longer tool life, and low noise, no need to change carbon brush and no dust cause by carbon brush worn out.

### AR-600 超音波振動研磨機 - 標準規格表 Ultrasonic Lapping Machine - Specification

電源控制器 Power Controller	
電源 Main supply	AC-90V ~ 250V, 50/60 Hz
超音波輸出 Ultrasonic output	45 watts
振頻 Vibration frequency	18 ~ 26 kHz
振幅 Stroke amplitude	3 ~ 40 μm
振頻調整 Frequency adjustment	自動追尋 / auto-tracing
消耗功率 Power consumption	100 watts
保險絲 Fuse	2A time-lag type
直流馬達輸出 Output of DC motor	5 ~ 30V
有刷輸出功率 Power of DC brush	Max. 60 watts
無刷輸出功率 Power of DC brushless	Max. 100 watts
尺寸 Dimensions of	170x260x140mm
重量 Weight	2.0 kg
手機 Handpiece	
超音波手機 Ultrasonic handpiece	GS-H04
尺寸 Dimensions	Ø33x146mm
重量 Weight	254g
旋轉手機 Rotary handpiece	
有刷手機 Brush handpiece	U-Lap 35
無刷手機 Brushless handpiece	⊙

註/ Note : ⊙ 選購配備 / Optional accessory

### 基礎應用實例 (Applications):



### AR-600E 整組實際內容物 (標準組) AR-600E set include (Standard)

超音波手機 Ultrasonic Handpiece		(GS-H04) Ø 33x146mm
電源線 Power Cord		18AWG x3Cx180cm
手機線 Handpiece Cord		3Cx150cm
六角扳手 Wrench (HEX)		HEX (Ø2mm)
手機座 Handpiece Rest		110x50x35 mm
夾頭拆卸架 Tool Changing rack		For 12mm Holder
扳手 Wrench		140mm (10/12)
夾頭 (Ø3.0mm) Holder (Ø 3.0mm)		For Ø 3mm shank Tool (2pcs)
夾頭 (3.0mm) Holder (3.0mm)		For oil Stone (3mm)
夾頭 (1.0mm) Holder (1.0mm)		For ceramic Fiber Stone (1.0mm)
腳踏開關 Foot Switch		Cord Length 150cm

### AR-600 整組實際內容物 (標準組) AR-600 set include (Standard)

超音波手機 Ultrasonic Handpiece		(GS-H04) Ø 33x146mm
有刷手機 Brush handpiece		(U-Lap 35) Ø 29x152mm
電源線 Power Cord		18AWG x3Cx180cm
手機線 Handpiece Cord		3Cx150cm
六角扳手 Wrench (HEX)		HEX (Ø2mm)
手機座 Handpiece Rest		110x50x35 mm
夾頭拆卸架 Tool Changing rack		For 12mm Holder
扳手 Wrench		140mm (10/12)
夾頭 (Ø3.0mm) Holder (Ø 3.0mm)		For Ø 3mm shank Tool (2pcs)
夾頭 (3.0mm) Holder (3.0mm)		For oil Stone (3mm)
夾頭 (1.0mm) Holder (1.0mm)		For ceramic Fiber Stone (1.0mm)
腳踏開關 Foot Switch		Cord Length 150cm

# 超音波振動研磨機 / Ultrasonic Lapping Machine

## AR-800可搭配手機一覽表 Attachment Handpiece for AR-800



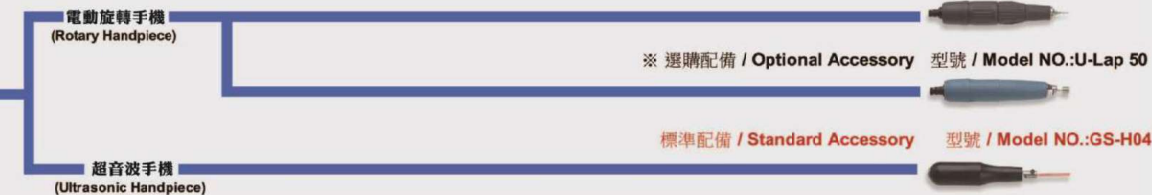
※ 標準配備用紅色顯示, 其餘皆為選購商品  
※ Standard Accessory that marking in RED, other Handpiece are Optional Accessory

## AR-600可搭配手機一覽表 Attachment Handpiece for AR-600



※ 標準配備用紅色顯示, 其餘皆為選購商品  
※ Standard Accessory that marking in RED, other Handpiece are Optional Accessory

## AR-600 (E)可搭配手機一覽表 Attachment Handpiece for AR-600 (E)



※ 標準配備用紅色顯示, 其餘皆為選購商品  
※ Standard Accessory that marking in RED, other Handpiece are Optional Accessory

## AR-108可搭配手機一覽表 Attachment Handpiece for AR-108



## 超音波手機 Ultrasonic Handpiece

型號 / Model No. : GS-H04



最大輸出 / Max. output : 45Watts  
尺寸 / Size : Ø 33 x 146mm  
重量 / Weight : 254g

型號 / Model No. : GS-H06



最大輸出 / Max. output : 40Watts  
尺寸 / Size : Ø 30 x 130mm  
重量 / Weight : 175g

型號 / Model No. : GS-H26



最大輸出 / Max. output : 40Watts  
尺寸 / Size : Ø 27 x 125mm  
重量 / Weight : 150g

※ 電動旋轉手機 (U-Lap 60, 50, 35)  
請參閱目錄 P.14 有詳細介紹

※ See the Rotary Handpiece on Page 14  
You Can find all information!