

## GAM860 Repoint Machine

### 微鑽針手動研磨機

#### 規格 Specifications

鑽針直徑	Diameter of drill handle	ø3.175 mm
磨削直徑	Grinding ability	ø0.1 mm ~ ø1.3 mm
鑽尖角	The angle of drill point	110°~180°
鑽尖斜角	The angle of drill point surface	0°~30°
砂輪外徑尺寸	Outer size of emery wheel	ø75 mm
左砂輪粒徑	Left-emery wheel precision	#3000 (粗[左]砂輪)
右砂輪粒徑	Right-emery wheel precision	#1200-#800 (粗[右]砂輪)
砂輪迴轉速	Rotational speed of emery wheel	5730RPM
砂輪圓速	The circle speed of emery wheel	1000m/min
最小進刀量	The minimum forward size of drill	0.002mm
電源	Power	AC110V/AC220V±10%
總電力	Total elect power	300W
砂輪馬達	The motor of emery wheel	AC220V 90W 3200RPM
水平移動馬達	The motor of horizontal movement	臺灣榮研馬達D.C Motor, 齒比Gear Rate:1:100
轉向手輪	The turn wheel	解析度 2000 PULSE
機台尺寸	Dimension	715mm(W) 465mm(H) 510mm(D)
機台重量	Weights	120 Kg

規格如有變更，恕不另行通知 (Change Without Notice.)

#### 選購品 Options

- 砂輪修整機 Emery wheel reshape machine



- V型塊 V-type Jig

1. ①號V型塊 #5 V-type Jig ø0.8-ø1.0
2. ②號V型塊 #6 V-type Jig ø1.05-ø1.3



- 顯微鏡 Microscope



代理商 Agent:

## GAM860 Repoint Machine

### 微鑽針手動研磨機 (Precision Drill Sharpener)

提供微細鑽針再生之表現

Great Representation of Micro-Drill



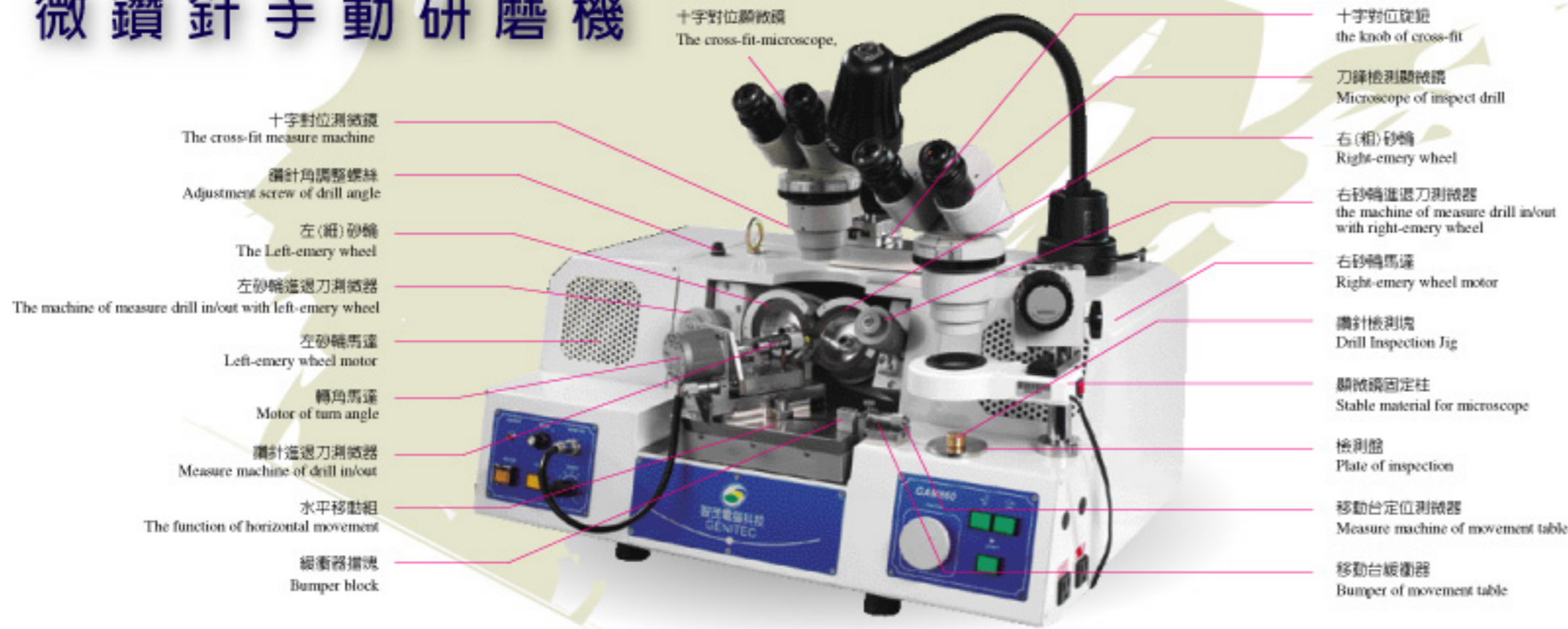
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# GAM860 Repoint Machine

## 微鑽針手動研磨機



### 鑽針刀刃形之修正 Revision of drill shape

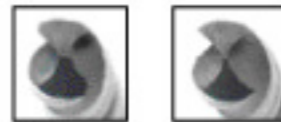
合格 Standard		只需將要研磨的鑽頭，對準十字線，按啓動開關即可。 You just need to focus the drill on cross-line, and press the switch.
重疊 Overlapping		依重疊情形，左砂輪退刀，左砂輪進退刀測微器向左旋轉0.5~1格左右，重新研磨一次，若仍有重疊情形，依此動作，直至刀刃形合格為止。 Follow the overlapping status, left-emery wheel back, roll the measure machine of left-emery wheel about 0.5-1 section, re-grinding again, if overlapping has shows again, follow this circle, until drill has qualified.
分離 Separation		依分離情形，左砂輪退刀，左砂輪進退刀測微器向右旋轉0.5~1格左右，重新研磨一次，若仍有分離情形，依此動作，直至刀刃形合格為止。 Regarding the separation status, left-emery wheel in, roll the measure machine of left-emery wheel about 0.5-1 section, re-grinding again, if separation has shows again, follow this circle, until the drill has qualified.
大頭 Big side		轉角手輪向左旋轉，使鑽針左旋一點，讓十字線在鑽頭溝內，再移動十字線，對正刀刃邊，重新研磨一次，若仍有大頭情形，依此動作，直至刀刃形合格為止。 Roll left of turn wheel, let cross-line inside the drill ditch, and move the cross-line, re-grinding upright side of drill, if the big side has shows again, follow this circle, until the drill has qualified.
小頭 Small side		轉角手輪向右旋轉，使鑽針右旋一點，讓十字線在刀刃線以內，再移動十字線，對正刀刃邊，重新研磨一次，若仍有小頭情形，依此動作，直至刀刃形合格為止。 Roll right of turn wheel, let cross-line inside the drill line, and move the cross-line, re-grinding upright side of drill, if the small side has shows again, follow this circle, until the drill has qualified.
大小節 Different aspect		鑽針十字對位後，按 180° 鍵，檢視單一位置對刀刃邊不能切齊十字線，再切換MODE選擇鈕，以MODE 2來修正。 After drill has focus on right position, press 180° button, inspect which side of drill could not suit on cross-line, and press MODE selection button, using MODE2 to revise.

### 產品特點 FEATURES

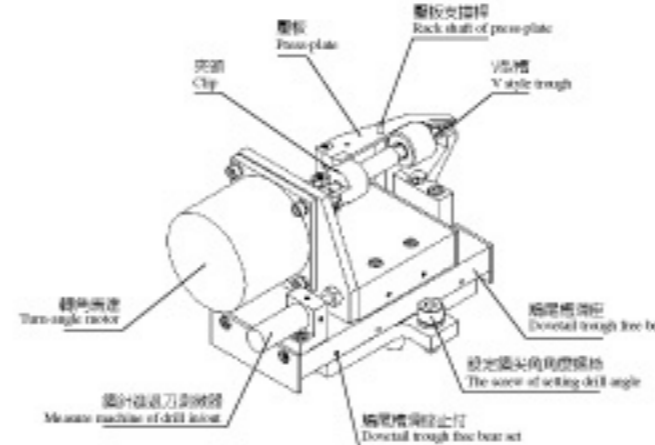
- 可適用於SMT用小直徑鑽針二次研磨。  
Suitable for SMT's small diameter drill, to do the second grind.
- 鑽針只需相位對位一次，即可研磨。  
Just need to fit in an opposite position for one time, and operator could grind.
- 鑽針壓板於研磨完成時，會自動撐起，以方便使用者拿取。  
When the grind has finished, the press-plate will raise by itself, and it's convenient for operator.
- 機台附有十字對位顯微鏡、刀鋒檢測顯微鏡，以利檢驗鑽針。  
There are the cross-fit-Microscope and point of drill Inspection Microscope enclosed on machine, especially in inspect drill.
- 入電可AC110V/AC220V切換。  
The power is for AC110V/ AC220V.
- 附有集塵機構，改善切削粉塵問題。  
The dust collecting mechanism, could improve the question of dust.

### 產品應用 APPLICATION

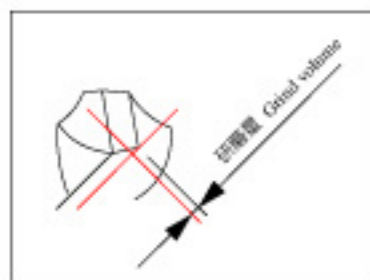
- 精密微鑽針研磨。  
For grinding of precision micro-drill.
- 專業研磨鑽針廠使用。  
For professional grind & drilling factory.
- 適合高精密低成本的研磨要求。  
Suit for various precision and low cost demands of grinding.
- 鑽針再研磨高品質要求。  
High quality and requirement for re-grinding.
- 鑽孔房、設備室維修鑽針必備利器。  
Apply to factory of maintain and warehouse with drill.



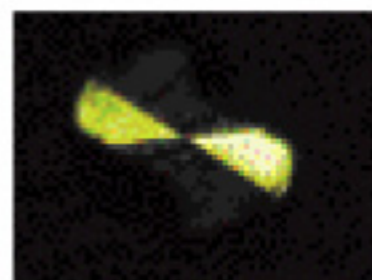
### V型槽作動機構圖 FUNCTION



### 功能介紹 FUNCTION



- 影像對正系統。  
Image focusing in correct position system.



- 刀鋒狀況檢測、判斷刀鋒研磨情形。  
Inspection status of drill and determine the situation of grinding.



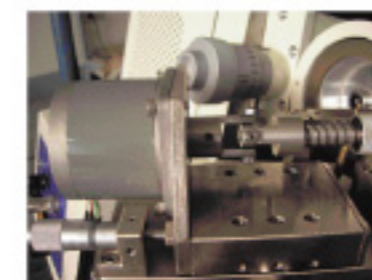
- 鑽頭夾持運動機構。  
The drill clipping movement mechanism.



- 砂輪主軸之動平衡和震動係數控制系統。  
The movement balance of main wheel in Emery wheel and the vibrating parameter control system.



- 光學顯像系統。  
Optical development system.



- 微步進電腦控制系統。  
Micro-stepping PC control system.

Precision Drill Sharpener