

## Corporation Index 公司簡介



### Global Vision With Unlimited Innovation. 胸懷國際，創造無遠弗屆

Through twenty year's efforts, EYAN sets up a splendid foundation preparatory for marching toward to the 21th century. At this moment, splendor is represented as a vision telescope, clearly showing us bright prospects. The telescope extends our minds, and shows us how broad the world is. With an endless mind, the future becomes boundless. In the future, EYAN will step out of Taiwan and extend its marketing point on the infinite network.

20年的努力，奠下了一片輝煌，站在21世紀的臨界點上此刻，輝煌對我們的意義反而像是手中一個展望的望遠鏡，透澈地觀望出來的路與無窮的發展前景。手中的望遠鏡開闊了我們的心胸，世界是如此寬廣，腳下的雄心更不能落後，世界無疆界，心有多廣，未來就有多寬，未來，易研將跨出台灣，將行銷點落在無遠弗屆的網路上。

### Global Vision With Unlimited Innovation.



▲ The accurate ball screws and slide of forced lubrication device are well ground and splined treatment. 精密的滾珠螺桿及強制給油裝置均經過精密研磨及鍍花處理。

▲ All models are equipped with scraper. 本公司全系列機種均加裝刮片。

▲ All models are equipped with ball screws and forced lubrication device. 本機全系列機種均使用滾珠螺桿及加裝強制給油裝置。

### 鑽頭研磨技術之再突破 快速、精準

### Break through in technology of drill sharpener to achieve a faster and more precise process



▲ Cam Device 凸輪更換

This machine is equipped with 4 cams (No.1-No.4); it can be used in grinding the drill bit, end mill, chamfering tool, tap, and center drill by simply changing the cam only.

本機配有1-4號凸輪，只需更換凸輪即可研磨鑽頭、銼刀、倒角刀、鐮絲攻、中心鑽等刀具。



▲ Drill Positioning Device 鑽頭定位裝置

To grind the drill of different diameter, you can adjust the scale according to the diameter, place any cutting edge parallel to the positioning device, and start the Process. This method applies to any other cutters as well. 研磨不同直徑之鑽頭，依其直徑之大小調整好位置，再將鑽頭任何一刃口平行於定位裝置上即可，其他刀具研磨方式亦相同。



▲ An innovation of sharpening drills with upward-downward vibration. Use a chuck to clamp the drill, only shakes the grip, and the drill will rotate, sway back and forth and the working tip will oscillate up and down, three actions proceed simultaneously. Changing angles automatically to sharpen the front edge angle, debris angle and skew the drill and center point, all actions can be finished in one process. It displays a high efficiency and high precision performance. 透過上下擺動研磨，扭夾鑽柄震動夾持後，只需旋轉把子，鑽頭即會旋轉震動，前後搖動及垂直工作頭會上下震動，三個動作同步進行。自動調整角度研磨前緣角、後角、刃偏角及中心點等可一次夾持研磨完成。展現高效率、高精度研磨作業。



▲ Drill Bit Diameter Adjusting Button. Making adjustment depends on the diameter of drill bit. 鑽頭外徑調整鈕，依鑽頭外徑調整。

▲ Adjusting button for rear bevel angle of drill 鑽頭後角調整鈕

An adjusting button for rear bevel angle of drill can control the sharp size of the rear bevel angle. When more sharp edge is required, turn the button to higher scale figure, so you will get What you desired. 鑽頭後角調整鈕，可控制鑽頭之後角之大小，需要較鋒利之刀口時將數字控制調整至數字較大之刻度上，即可磨出較鋒利之刀。

# EY-32A

## Precision Drill Sharpener

### 精密鑽頭研磨機



Quickly sharpen front edge angles, clearance angles, slice drills, and still center point.  
 鉋鋒角、送高角、削薄鑽刃及中心點快速研磨完成。

Specifications 規格尺寸	EY-32A	EY-32B	Standard Accessories for EY-32A 標準配件	Standard Accessories for EY-32B 標準配件
Grinding Range 研磨範圍	Ø3-Ø32mm	Ø3-Ø32mm	# 1 Cam for single flute chamfering tool (1號) 凸輪研單刃銜角刀用	# 1 Cam for single flute chamfering tool (1號) 凸輪研單刃銜角刀用
Front Edge Angle 鑽頭前角	40°-180°	40°-180°	# 2 Cam for drill (2號) 凸輪研鑽頭用	# 2 Cam for drill (2號) 凸輪研鑽頭用
Back Rake Angle 鑽頭後角	0°-18°	0°-18°	# 3 Cam for 3 flutes chamfering tool (3號) 凸輪研3刃銜角刀用	# 3 Cam for 3 flutes chamfering tool (3號) 凸輪研3刃銜角刀用
Grinding Wheel Motor 砂輪馬達	1HP	1HP	# 4 Cam for 4 flutes tap (4號) 凸輪研4刃螺絲攻用	# 4 Cam for 4 flutes tap (4號) 凸輪研4刃螺絲攻用
Grinding Wheel Speed 砂輪轉速	4300RPM	4300RPM	Automatic Centering 6-jaw Chuck 六爪自動定心夾頭	Automatic Centering 6-jaw Chuck 六爪自動定心夾頭
Cooling System Motor 冷卻馬達		1/8HP	Flange with Counter Weight 砂輪法蘭及配重塊	Flange with Counter Weight 砂輪法蘭及配重塊
Net Weight Gross Weight 淨重/毛重	154kg/197kg	216kg/283kg	Manual Lubricator 手動強制注油器	Manual Lubricator 手動強制注油器
Packing Dimensions 裝箱尺寸	82 x 78 x 147cm	102 x 92 x 184cm	Morse Taper Sleeve MT2, MT3 莫氏套筒 MT2、MT3	Morse Taper Sleeve MT2, MT3 莫氏套筒 MT2、MT3

Specialized for Step Drill 階級鑽頭用



Step Drill  
階級鑽頭

CBN Grinding Wheel Disk-type  
for Step Drill CBN 砂輪 盤型  
Ø100\*81\*31.75mm

No. 8 cam 8號凸輪  
Specialized for Step Drill  
階級鑽頭專用

( Manual lubrication system for slideway and ball screw. )  
 ( 滑道、螺桿強制潤滑系統 )

EY-32A · EY-32B Sharpening examples 研磨例



No. 1 cam 1號凸輪 No. 2 cam 2號凸輪 No. 3 cam 3號凸輪 No. 4 cam 4號凸輪  
 ▲ Standard Accessories for EY-32A and EY-32B: No. 1 cam, No. 2 cam, No. 3 cam, No. 4 cam  
 EY-32A · EY-32B 標準配備: 1號凸輪、2號凸輪、3號凸輪、4號凸輪

# Precision Drill Sharpener

Optional Accessory 選購配件 32BL  
 Installing the motor can do up-down swing motion  
 加裝電動馬達，可上下自動擺動  
 AC Motor/ AC Speed Controller AC 電動馬達/AC 速度控制器



# EY-32B

## Precision Drill Sharpener

### 精密鑽頭研磨機



( Manual lubrication system for slideway and ball screw. )  
 ( 滑道、螺桿強制潤滑系統 )

Can install on EY-32A and EY-32B  
 可加裝於 EY-32A 及 EY-32B  
 Optional Accessories 選購配件  
 32C Knife Edge Grinding Accessory 刀刃研磨配件



Spiral grinding (Air-bearing device) 螺旋研磨附件(空氣軸承裝置)

- Function: Grinding outer diameter of end mill, side cutter, reamer, and drill bit.  
 功能: 研磨圓錐刀外徑、側削刀、銼刀、鑽頭外徑。
- Feature: Frictionless  
 When roundness of spindle keep within 0.005mm, it can rotate lightly and operate easily. It is easy to set tools within 2 minutes.  
 特點: 摩擦無聲設計，主軸圓度在 0.005mm 以內轉動輕巧，操作簡單，刀具設定可在 2 分鐘以內完成。
- Pneumatic spindle had been heat treatment and chrome plated grinding to make it free from and rusty last accuracy. The first flute and second clearance angle of tools can completed set within few seconds.  
 空壓主軸經過熱處理及鍍鉻研磨完成，永不生銹，精度持久，刀具的第一刀口及第二鋒角在幾秒鐘之內設定完成。

Sealed Stand 標準底座	Whole Water Collecting Half Cover Stand 整體集水式半罩底座
Grinding Wheel 一般砂輪 Ø 150 x 25T x 31.75mm	CBN Grinding Wheel Ø 150 x 20T x 31.75mm CBN 砂輪角型 Ø 150 x 20T x 31.75mm CBN 砂輪碟型 Ø 125 x 2T x 31.75mm
Cooling Motor with Automatic Circulating System 冷卻馬達含自動循環系統	CBN Grinding Wheel Ø 125 x 2T x 31.75mm
European Electrical Control Box 歐式電控箱	
Overload Protection Devices 過載保護裝置	
Red Emergency Button 紅色緊急按鈕	

Specialized for HSS Material Use  
 HSS 高速鋼材質用  
 EY-32A(Optional Accessories 選購配件)  
 EY-32B(Standard Accessories 標準配件)  
 CBN Ploygon-type 角型 Ø150\*20T\*31.75mm  
 CBN Disk-type 碟型 Ø125\*2T\*31.75mm



Specialized for Tungsten Steel Material Use(Optional Accessories)  
 鎢鋼材質用(選購配件)  
 SDC Ploygon-type 角型 Ø150\*20T\*31.75mm  
 SDC Disk-type 碟型 Ø125\*2T\*31.75mm



# End Mill Sharpener

## EY-32C End Mill Spiral Sharpener 端銼刀螺旋研磨機



### Spiral Sharpening (Air Bearing Device)

- Function:** Grinding outer diameter of end mill, side cutter, reamer, and drill bit.  
功能: 研磨銼刀外徑、側銼刀、銼刀、鑽頭外徑。
- Feature: Frictionless**  
When roundness of spindle keep within 0.005mm, it can rotate lightly and operate easily. It is easy to set tools within 2 minutes.  
特點: 無磨擦設計, 主軸圓度保持在0.005mm以內轉動輕巧, 操作簡單, 刀具設定可在2分鐘以內完成。
- Pneumatic spindle** had been heat treatment and chrome plated grinding to make it free from and rusty last accuracy. The first flute and second clearance angle of tools can completed set within few seconds.  
空壓主軸經熱處理及鍍鉻研磨完成, 永不生銹、精度持久, 刀具的第一刀口及第二餘隙角皆能在幾秒鐘之內設定完成。

### EY-32C

Specifications 規格	Description 尺寸	Standard Accessories 標準配備
Grinding Range 研磨範圍	Ø3 - Ø32mm	Sealed Stand 密封式底座
Grinding Wheel Motor 砂輪馬達	1 HP	Flange with Counter Weight 砂輪法蘭及配重塊
CBN Grinding Wheel CBN 砂輪	Ø125 x 2.01 x 31.75mm	Collet Ø 6, 8, 10, 12, 16, 20, 25mm 夾具 Ø6 - 6 - 10 - 12 - 16 - 20 - 25mm
Grinding Length 研磨長度	15 ~ 200mm	Quartz Working Light 石英工作燈
Grinding Wheel Rotational Speed 砂輪轉速	4300rpm	Operation Manual 操作說明書
Net Weight/ Gross Weight 淨重/毛重	141 / 180 kgs	Tool Box 工具箱
Packing Dimensions 裝箱尺寸	82 x 78 x 147cm	CBN Grinding Wheel 砂輪 Ø 125 x 2.01 x 31.75mm

Can grind the edge and outer diameter of end mills  
可研磨銼刀的刀口及外徑  
2 flutes end mill  
2刃銼刀

[ Manual lubrication system for slideway and ball screw. ]  
[ 滑道、螺桿強制潤滑系統 ]

Grinding 2, 3, 4 flutes knife edge  
and outer diameter of end mills  
研磨銼刀2、3、4刃刀口及外徑



# Precision Drill Sharpener

## EY-32H Precision Drill Sharpener for Steel Structured Drill 鋼結構鑽頭研磨機



Specialized tool sharpener 專用刀具研磨機  
Specialized Precision Drill Sharpener for Steel  
Structural Drill  
鋼結構鑽頭專用研磨機  
Hill-type Drill Sharpener  
山字鑽頭研磨機  
Twist Drill Sharpener  
麻花鑽頭研磨機  
Advantage: Easy to operate and grinding single drill  
優點: 操作簡單, 只能研磨單一鑽頭

### EY-32H

Specifications 規格	Description 尺寸	Standard Accessories 標準配備
Grinding Range 研磨範圍	Ø3 - Ø32mm	Sealed Stand 密封式底座
Grinding Wheel Motor 砂輪馬達	1 HP	# 5 Cam for steel drill 鋼鑽專用凸輪
CBN Grinding Wheel CBN 砂輪	Ø 150 x 21T x 31.75mm	Automatic Centering 6-jaw Chuck 六爪自動對心夾具
	Ø 69 x 17T x 31.75mm	Flange with Counter Weight 砂輪法蘭及配重塊
Grinding Wheel Rotational Speed 砂輪轉速	4300rpm	Morse Taper Sleeve MT2, MT3 莫氏錐度MT2、MT3
Net Weight/ Gross Weight 淨重/毛重	128 / 206 kgs	Quartz Working Light 石英工作燈
Packing Dimensions 裝箱尺寸	87 x 72 x 151cm	Operation Manual 操作說明書 Tool Box 工具箱
		CBN Grinding Wheel Ø 150 x 21T x 31.75mm CBN 砂輪
		CBN Grinding Wheel Ø 69 x 17T x 31.75mm CBN 砂輪

[ Manual lubrication system  
for slideway and ball screw. ]  
[ 滑道、螺桿強制潤滑系統 ]

EY-32H Sharpening example  
EY-32H 研磨例  
Specialized Steel Structured Drill  
鋼結構專用鑽頭



Specialized No. 5 Cam for EY-32H  
EY-32H 專用砂輪凸輪



Specialized Grinding Wheel for EY-32H  
EY-32H 專用砂輪  
CBN Grinding Wheel Ø 69x17Tx31.75mm  
CBN 砂輪





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**EY-32**

**Precision Drill Sharpener**  
精密鑽頭研磨機

**End Mill Sharpener**  
端銑刀研磨機

