

EYAN

易研精密機械有限公司

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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

EYAN

Corporation Index 公司簡介

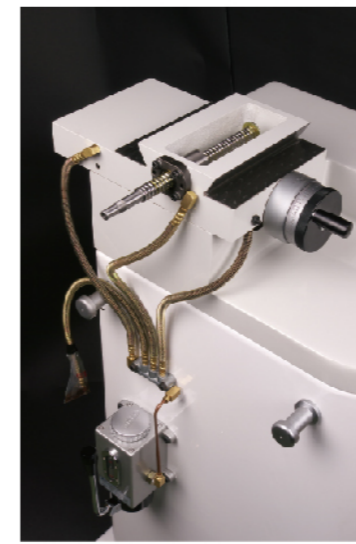


Global Vision With Unlimited Innovation. 胸懷國際，創造無遠弗屆

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 it's 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，透徹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.

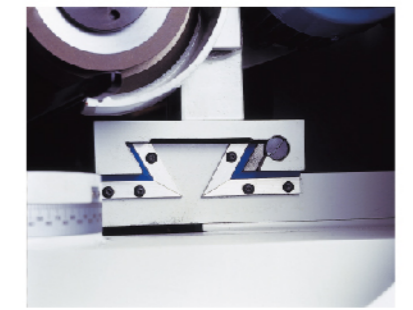


▲ The accurate ball screws and slide of forced lubrication device are well ground and splined treatment. 精密的滾珠螺桿及強制給油裝置滑道均經過研磨及劃花處理。

◀ 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。

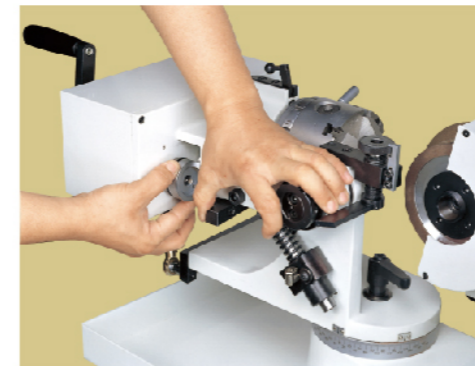


▲ All models are equipped with scraper. 本公司全系列機種均加裝刮刷片。



鑽頭研磨技術之再突破快速、精準

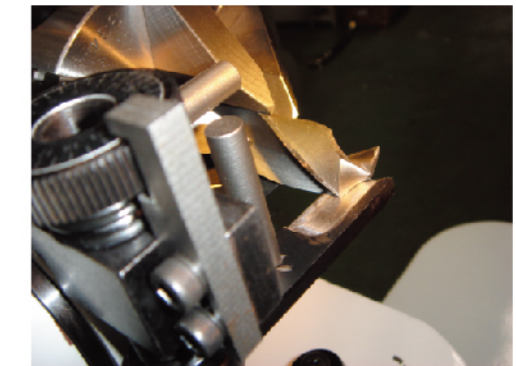
Break through in technology of drill sharpener to achieve a faster and more precise process



▲ Cam Device 凸輪更換

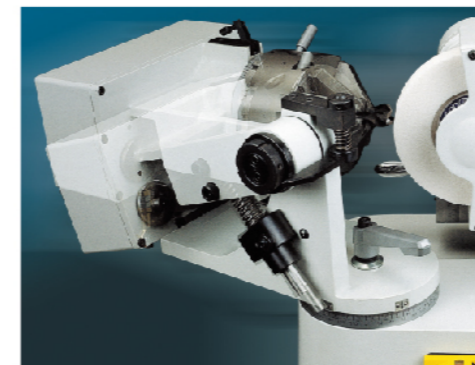
This machine is equipped with 4 cams (No.1~No.4), it can be used in grinding the drill bit, end mill, chamfering tool, tap, and center drill by simply changing the cam only.

本機配有1-4號四個凸輪，研磨時只需更換凸輪即可研磨鑽頭、端銼刀、倒角刀、螺絲攻、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 parallelled 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刻度，再將鑽頭任何一刃口平行的靠在定位裝置上即可，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 shake 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 skive the drill and center point, all actions can be finished in one process. It displays a high efficiency and high precision performance.

首創上下擺動研磨，用夾頭將鑽頭夾持好後，只需搖動把手，鑽頭即會旋轉運動，前後運動及整個工作頭會上下擺動，三個動作同步進行。自動轉換角度研磨前端角，逃屑角、削薄鑽刃及中心靜點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，依鑽頭的外徑調整

◀ Adjusting button for rear bevel angle of drill 鑽頭後斜角控制鈕

An adjusting button for rear bevel angle of drill can control the shape size of the rear bevel angle. When more sharp edge is required, turn the button to higher scale figure, so you will get Whatever you desired.

鑽頭後斜角調整鈕，可控制鑽頭之後斜角之大小，需要較鋒利之刀口時將數字控制鈕調整至數字較大的刻度上，即可研磨出較鋒利之刀。

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.
前端角、逃屑角、削薄鑽刃及中心靜點快速研磨完成。

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



Specifications 規格尺寸	EY-32A	EY-32B	Standard Accessories for EY-32A 標準配備	Standard Accessories for EY-32B 標準配備
Grinding Range 研磨範圍	Ø3-Ø32mm	Ø3-Ø32mm	# 1 Cam for single flute chamfering tool (1號)凸輪研磨單刃倒角刀用	# 1 Cam for single flute chamfering tool (1號)凸輪研磨單刃倒角刀用
Front Edge Angle 鑽頭前端角	40°-180°	40°-180°	# 2 Cam for drill (2號)凸輪研磨鑽頭用	# 2 Cam for drill (2號)凸輪研磨鑽頭用
Back Rake Angle 鑽頭後斜角	0°-18°	0°-18°	# 3 Cam for 3 flutes chamfering tool (3號)凸輪研磨3刃倒角刀用	# 3 Cam for 3 flutes chamfering tool (3號)凸輪研磨3刃倒角刀用
Grinding Wheel Motor 砂輪馬達	1HP	1HP	# 4 Cam for 4 flutes tap (4號)凸輪研磨4刃螺絲攻用	# 4 Cam for 4 flutes tap (4號)凸輪研磨4刃螺絲攻用
Grinding Wheel Rotational 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 164cm	Morse Taper Sleeve MT2, MT3 莫式套筒 MT2 · MT3	Morse Taper Sleeve MT2, MT3 莫式套筒 MT2 · MT3

Specialized for Step Drill 階級鑽頭用



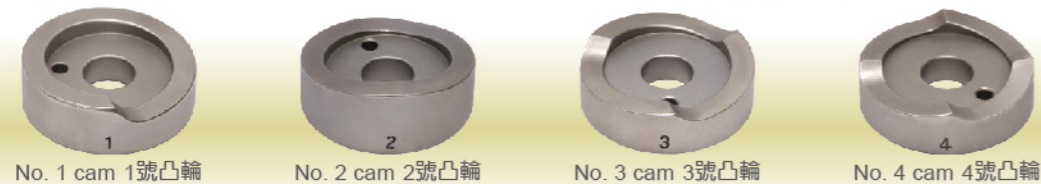
Optional Accessories
選購配件
CBN Grinding Wheel Disk-type
for Step Drill CBN 砂輪 盤型
Ø100*8T*31.75mm



Optional Accessories
選購配件
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



▲ 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

Operation Manual 操作說明書	Operation Manual 操作說明書
Tool box 工具箱	Tool box 工具箱
Precision Ball Screw for X, Y-axis Ø16mm X、Y軸精密級滾珠螺桿Ø16mm	Precision Ball Screw for X, Y-axis Ø16mm X、Y軸精密級滾珠螺桿Ø16mm
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 Grinding Wheel Ø 125 x 2.0T 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
	European Electrical Control Box 歐式電控箱
	Automatic Power Cut Protective Device for Leakage 漏電自動斷電保護裝置
	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)

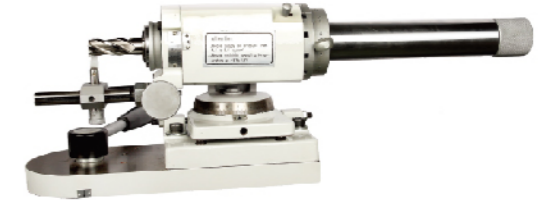
SDC Ploygon-type 角型 Ø150*20T*31.75mm
SDC Disk-type 碟型 Ø125*2T*31.75mm



{ 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: 研磨端銑刀外徑、側銑刀、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，主軸真圓度在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，刀具的第一刃口及第二餘隙角皆能在幾秒鐘之內設定完成。

End Mill Sharpener

EY-32C End Mill Spiral Sharpener 端銑刀螺旋研磨機



Spiral Sharpening(Air Bearing Device)

螺旋研磨(空氣軸承裝置)

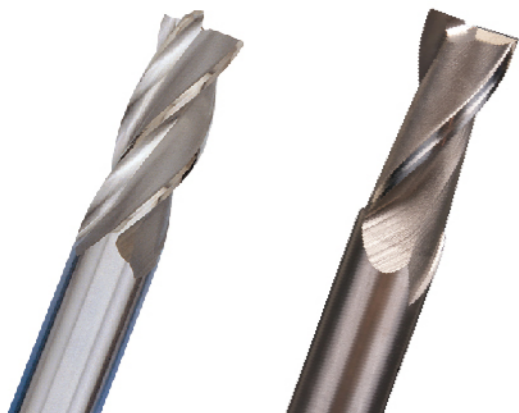
- Function: Grinding outer diameter of end mill, side cutter, reamer, and drill bit.
功能: 研磨端銑刀外徑、側銑刀、銼刀、鑽頭外徑。
- Feature: Frictionless
When roundness of spindle keep within 0.005mm, it can rotate lightly and operate easily. It is easy to set tools within 2 minutes.
特點: 無磨擦設計, 主軸真圓度在0.005mm以內轉動輕巧, 操作簡單, 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	Ø 125 x 2.0T x 31.75mm	Collect Ø 6, 8, 10, 12, 16, 20, 25mm 筒夾 Ø 6、8、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 / 190 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 2.0T x 31.75mm

{ 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
研磨端銑刀2、3、4刃刀口及外徑



Can grind the edge and outer diameter of end mills
可研磨端銑刀的刀口及外徑
2 flutes end mill
2刃端銑刀

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 Structured Drill
鋼結構鑽頭專用研磨機

Hill-type Drill Sharpener
山型鑽頭研磨機

Twist Drill Sharpener
麻花鑽頭研磨機

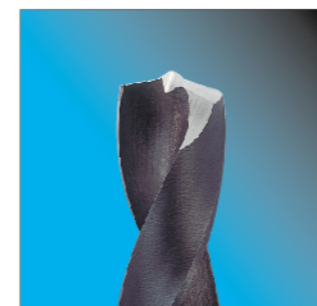
Advantage: Easy to operate and grinding single drill
優點: 操作簡單, 只能研磨單一鑽頭

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 研磨鋼結構專用(5號凸輪)
CBN Grinding Wheel CBN 砂輪	Ø 150 x 21T x 31.75mm	Automatic Centering 6-jaw Chuck 六爪自動定心夾頭
	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 莫式套筒MT2、MT3
Net Weight/ Gross Weight 淨重/毛重	158 / 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5號凸輪



Specialized Grinding Wheel for EY-32H
EY-32H 專用砂輪
CBN Grinding Wheel Ø69x17Tx31.75mm
CBN 砂輪

