



EY-32

Precision Drill Sharpener
ドリル研磨機

End Mill Sharpener
エンドミルスパイラル研磨機



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，易研將踏出台灣，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. ボールねじ仕様で精密な動きをします。

▲ All models are equipped with scraper. 全機種にスクレーパーを備えています。

◀ All models are equipped with ball screws and forced lubrication device 全機種ボールねじ仕様。

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 カム取り替え

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.

本機は1~4号のカムを備えています。ドリル、エンドミル、面取りカッター、タップ、センタードリル等の研磨に使用できます。



▲ Drill Positioning Device ドリル位置取り装置

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. 径が違うドリルでも、調節して研磨できます。



◀ 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.

前後の動作と上下の振動により研磨します。研磨角度が自動で変えられ効率的に研磨できます。



◀ Drill Bit Diameter Adjusting Button. Making adjustment depends on the diameter of drill bit. ドリル外径調整ダイヤル

◀ Adjusting button for rear bevel angle of drill ドリル後斜角調整ダイヤル

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.

ドリル後斜角調整ダイヤル・後斜角の大きさを調整できます。目盛りを上げると更に鋭く研磨できます。

EY-32A

Precision Drill Sharpener

ドリル研磨機



Quickly sharpen front edge angles, clearance angles, slice drills, and still center point.

先端角研磨、逃げ角研磨、シンニング

Specifications 仕様	EY-32A	EY-32B
Grinding Range 研磨範囲	Ø3-Ø32mm	Ø3-Ø32mm
Front Edge Angle 先端角	40°-180°	40°-180°
Back Rake Angle シンニング角	0°-18°	0°-18°
Grinding Wheel Motor 砥石モータ	1HP	1HP
Grinding Wheel Rotational Speed 砥石回転速度	4300RPM	4300RPM
Cooling System Motor クーラントポンプモータ		1/8HP
Net Weight/ Gross Weight 機械重量/総重量	154kg/197kg	216kg/283kg
Packing Dimensions 梱包寸法	82 x 78 x 147cm	102 x 92 x 164cm

Specialized for Step Drill 段付きドリル用



Step Drill
段付きドリル

Optional
Accessories
オプション



CBN Grinding Wheel Disk-type
for Step Drill CBN 砥石
段付きドリル Ø100*8T*31.75 mm

Optional
Accessories
オプション



No. 8 cam オプション
Specialized for Step Drill
NO.8カム 段付きドリル専用

{ Manual lubrication system for slideway and ball screw. }
{ 手動式給油装置 }

EY-32A、EY-32B Sharpening examples 研磨例



Rod chaged into
Multi-step Drill
圓棒改成多段鑽



Spiral Drill
ツイストドリル



Center Drill
センタードリル



Chamfering
Tools (1, 3 Flutes)
面取りカッター(1・3刃)



Tap(4 Flutes)
スパイラルタップ(4刃)



End Mill(2,3,4 Flutes)
エンドミル(2・3・4刃)



No. 1 cam NO.1カム



No. 2 cam NO.2カム



No. 3 cam NO.3カム



No. 4 cam NO.4カム

▲ Standard Accessories for EY-32A and EY-32B: No. 1 cam, No. 2 cam, No. 3 cam, No. 4 cam
EY-32A、EY-32B 標準付属品: NO.1カム、NO.2カム、NO.3カム、NO.4カム

Optional Accessory オプション32BL

Installing the motor can do up-down swing motion

モーターで上下自動スイングができます。

AC Motor/ AC Speed Controller ACモーター/ACスピードコントローラ

EY-32B

Precision Drill Sharpener

ドリル研磨機



Standard Accessories for EY-32A 標準付属品	Standard Accessories for EY-32B 標準付属品
#1 Cam for single flute chamfering tool (NO.1カム) 1刃面取りカッター用	#1 Cam for single flute chamfering tool (NO.1カム) 1刃面取りカッター用
#2 Cam for drill (NO.2カム) ドリル用	#2 Cam for drill (NO.2カム) ドリル用
#3 Cam for 3 flutes chamfering tool (NO.3カム) 3枚刃面取りカッター用	#3 Cam for 3 flutes chamfering tool (NO.3カム) 3枚刃面取りカッター用
#4 Cam for 4 flutes tap (NO.4カム) 4枚刃タップ用	#4 Cam for 4 flutes tap (NO.4カム) 4枚刃タップ用
Automatic Centering 6-jaw Chuck 爪チャック	Automatic Centering 6-jaw Chuck 6爪チャック
Flange with Counter Weight 砥石フランジ	Flange with Counter Weight 砥石フランジ
Manual Lubricator 手動式給油装置	Manual Lubricator 手動式給油装置
Morse Taper Sleeve MT2, MT3 モールステーパスリーブ MT2, MT3	Morse Taper Sleeve MT2, MT3 モールステーパスリーブ MT2, MT3
Quartz Working Light 作業灯	Quartz Working Light 作業灯
Operation Manual 操作説明書	Operation Manual 操作説明書
Tool box 工具箱	Tool box 工具箱
Precision Ball Screw for X, Y-axis $\varnothing 16\text{mm}$ X,Y軸ボールねじ $\varnothing 16\text{mm}$	Precision Ball Screw for X, Y-axis $\varnothing 16\text{mm}$ X,Y軸ボールねじ $\varnothing 16\text{mm}$
Heated Stand 加熱底座	Whole Water Collecting Half Cover Stand 水回収カバー
Grinding Wheel 砥石 $\varnothing 150 \times 25\text{T} \times 31.75\text{mm}$	CBN Grinding Wheel $\varnothing 150 \times 20\text{T} \times 31.75\text{mm}$ CBN 砥石 $\varnothing 150 \times 20\text{T} \times 31.75\text{mm}$
	CBN Grinding Wheel $\varnothing 125 \times 2.0\text{T} \times 31.75\text{mm}$ CBN 砥石 $\varnothing 125 \times 2\text{T} \times 31.75\text{mm}$
	Cooling Motor with Automatic Circulating System クーラント装置
	European Electrical Control Box 制御ボックス
	Automatic Power Cut Protective Device for Leakage 漏電遮断器
	Red Emergency Button 非常停止ボタン



(Manual lubrication system for slideway and ball screw.)
(手動式給油装置)

Can install on EY-32A and EY-32B

EY-32A,EY-32Bに装備可能

Optional Accessories: オプション

32C Knife Edge Grinding Accessory 刃先研磨器具



Spiral grinding (Air-bearing device) スパイラル研磨(エアベアリング装置)

- Function: Grinding outer diameter of end mill, side cutter, reamer, and drill bit.
用途: エンドミル, サイドカッター, リーマ, ドリルビットの研磨
- 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.
特徴: 主軸の真円度 0.005mm以内
- 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.
エアスピンドルに熱処理およびクロムメッキ処理。

P4

Specialized for HSS Material Use

HSS用

EY-32A(Optional Accessories オプション)

EY-32B(Standard Accessories 標準付属品)

CBN Ploygon-type 角型 $\varnothing 150 \times 20\text{T} \times 31.75\text{mm}$

CBN Disk-type 碟型 $\varnothing 125 \times 2\text{T} \times 31.75\text{mm}$

Specialized for Tungsten Steel

Material Use(Optional Accessories)

超硬用(オプション)

SDC Ploygon-type 角型 $\varnothing 150 \times 20\text{T} \times 31.75\text{mm}$

SDC Disk-type 碟型 $\varnothing 125 \times 2\text{T} \times 31.75\text{mm}$





End Mill Sharpener

EY-32C

End Mill Spiral Sharpener

エンドミルスパイラル研磨機



Spiral Sharpening(Air Bearing Device)

スパイラル研磨(エアベアリング装置)

- Function: Grinding outer diameter of end mill, side cutter, reamer, and drill bit.
用途：エンドミル、サイドカッター、リーマ、ドリルビットの研磨
- 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.
特徴：主軸の真円度 0.005mm以内・
- 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.
エアスピンドルに熱処理およびクロムメッキ処理・

EY-32C

Specifications 仕様	Description 尺寸	Standard Accessories 標準付属品
Grinding Range 研磨範囲	Ø3 - Ø32mm	Sealed Stand 密封式底座
Grinding Wheel Motor 砥石モータ	1 HP	Flange with Counter Weight 砥石フランジ
CBN Grinding Wheel CBN 砥石	Ø 125 x 2.0T x 31.75mm	Collect Ø 6, 8, 10, 12, 16, 20, 25mm コレット Ø 6、8、10、12、16、20、25mm
Grinding Length 研磨長さ	15 - 200mm	Quartz Working Light 作業灯
Grinding Wheel Rotational Speed 砥石回転速度	4300rpm	Operation Manual 操作説明書
Net Weight/ Gross Weight 機械重量/総重量	141 / 190 kgs	Tool Box 工具箱
Packing Dimensions 梱包寸法	82 x 78 x 147cm	CBN Grinding Wheel CBN砥石 Ø 125 x 2.0T x 31.75mm

(Manual lubrication system for slideway and ball screw.)
(手動式給油装置)

Grinding 2, 3, 4 flutes knife edge
and outer diameter of end mills
2、3、4枚刃エンドミルの刃先および外形の研磨



Can grind the edge and outer diameter of end mills
エンドミルの刃先および外形の研磨が可能
2 flutes end mill
2枚刃エンドミル

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 仕様	Description 尺寸	Standard Accessories 標準付属品
Grinding Range 研磨範圍	Ø3 - Ø32mm	Sealed Stand 密封式底座
Grinding Wheel Motor 砥石モーター	1 HP	# 5 Cam for steel drill (NO.5カム) 研磨鋼結構專用
CBN Grinding Wheel CBN 砥石	Ø 150 x 21T x 31.75mm	Automatic Centering 6-jaw Chuck 6爪チャック
	Ø 69 x 17T x 31.75mm	Flange with Counter Weight 砥石フランジ
Grinding Wheel Rotational Speed 砥石回転速度	4300rpm	Morse Taper Sleeve MT2, MT3 モールステーパースリーブ MT2, MT3
Net Weight/ Gross Weight 機械重量/総重量	158 / 206 kgs	Quartz Working Light 作業灯
Packing Dimensions 梱包寸法	87 x 72 x 151cm	Operation Manual 操作説明書
		Tool Box 工具箱
		CBN Grinding Wheel Ø 150 x 21T x 31.75mm CBN 砥石
		CBN Grinding Wheel Ø 69 x 17T x 31.75mm CBN 砥石

{ Manual lubrication system
for slideway and ball screw. }
{ 手動式給油装置 }

EY-32H Sharpening example
EY-32H 研磨例

Specialized Steel Structured Drill
鋼結構鑽頭



Specialized No. 5 Cam for EY-32H
EY-32H 専用 NO.5カム



Specialized Grinding Wheel for EY-32H
EY-32H 専用砥石

CBN Grinding Wheel Ø69x17Tx31.75mm
CBN 砥石





EYAN

易研精密機械有限公司

EYAN MACHINE TOOLS CO., LTD.

台中市南屯區精科七路5號

No.5, Jingke 7th Rd., Nantun Dist., Taichung City 408, Taiwan

Tel:+886-4-2355-3111 Fax:+886-4-2355-2111

E-mail:eyan@eyan.com.tw

eyan@eyan.com

<http://www.eyan.com>

[//www.hsssaw.com](http://www.hsssaw.com)

日本總代理店

株式会社ACR

〒675-1113

兵庫県加古郡稲美町岡2574-6

Tel:079-495-1341 Fax:079-440-6256

E-mail:japan@acr-net.com

<http://www.acr-net.com/>