


## UNIVERSAL TOOL GRINDING MACHINES

 Dedicated to the pursuance of perfect design and manufacturing concept, incorporating with the continuous innovation and breakthrough, the wide range of precision tool grinders from PEI PING provide the superior operation performance. Each machine is a combination of technology and experience. The PEI PING machine is a symbol of dependable quality.



# COMPANY INTRODUCTION



The Pei Ping Precision Enterprise was established in 1980 and has been dedicating to the research and improvement of tool & cutter grinding machine all the time. All of the Products have past the quality inspection precisely. Pei Ping Precision Enterprise Co., Ltd. had get the Gold Medal winner at Geneva Invention and had many kinds of patents: No. 75717, No. 42447, No. 21204. The quality of products are trustworthy by the customers.

These years we have imported the advanced science and technology and developed the newly-high technical products to supply the necessary of customers. At Present the Pei Ping is the main professional manufacturer of tool & cutter grinding machinery in Taiwan and only the producter for drill grinder that biggest grinding diameter is 100mm, Our products have been sold to U.S.A. Europe, Japan, South Korea, Indonesia, Thailand, Malaysia, Singapore, Hong Kong, China and internal market, and highly appraised by the users.

Pei Ping Precision Enterprise Co., Ltd. has the expert technique, we sincerely welcome the customers to inquire about the machinery and to wide cooperate with us.

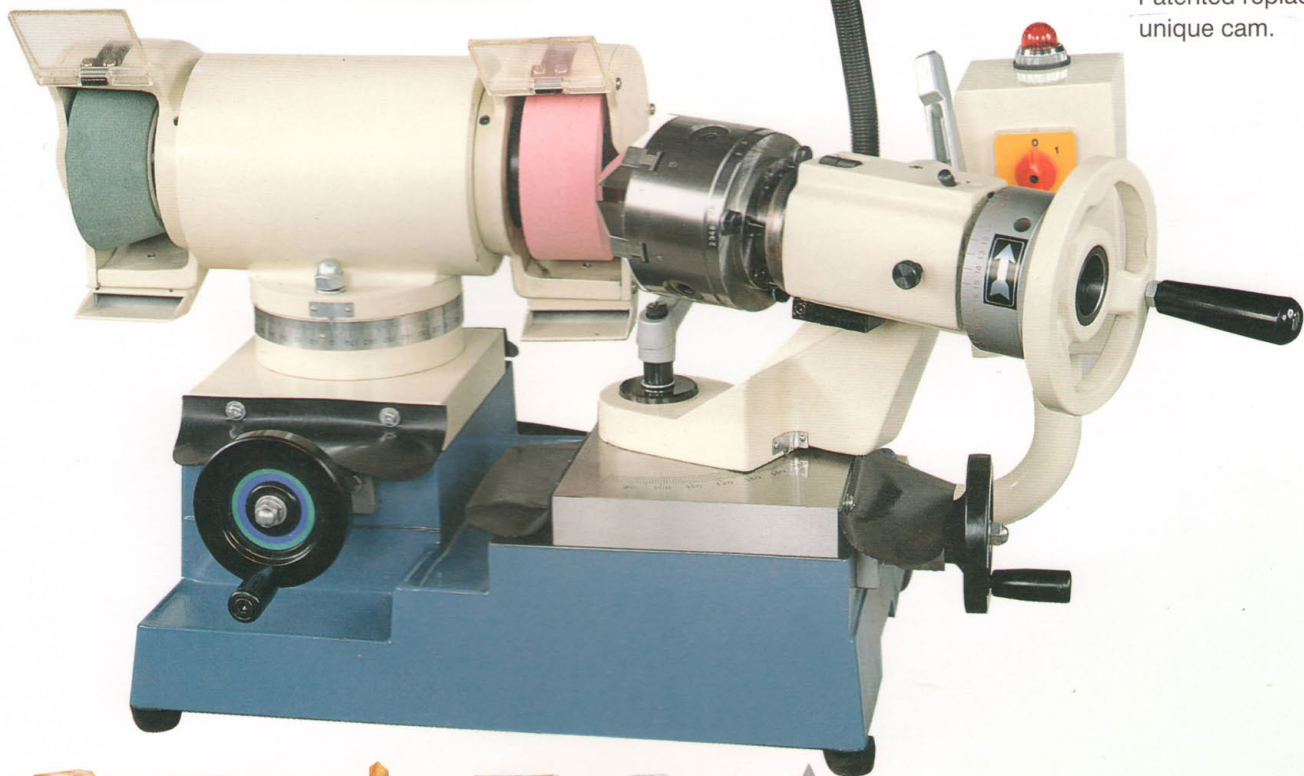




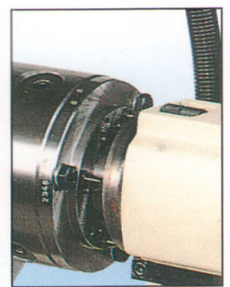
# PP-32N Universal Cutter Grinder

- Grinding Capacity:  $\varnothing 1.5 \sim \varnothing 32\text{mm}$  (Straight shank & taper shank) Double wheels. It only needs to rotate the motor when want to grind the tool of different material. It can increase the safety & save the time for changing & repairing the grinding wheel.
- The kinds of grinding tool include: Drills, step drills, taps, lips of end mills, round bars, etc.
- Adopts precision 4" 6 pawl self-centering chuck, clipping one time.  
It can grind the blade of drills and do the paring of drills abdomen. The angle of drill both sides and the length of the blade are the same after grinding. It can keep the accuracy of the center of drills without off center.

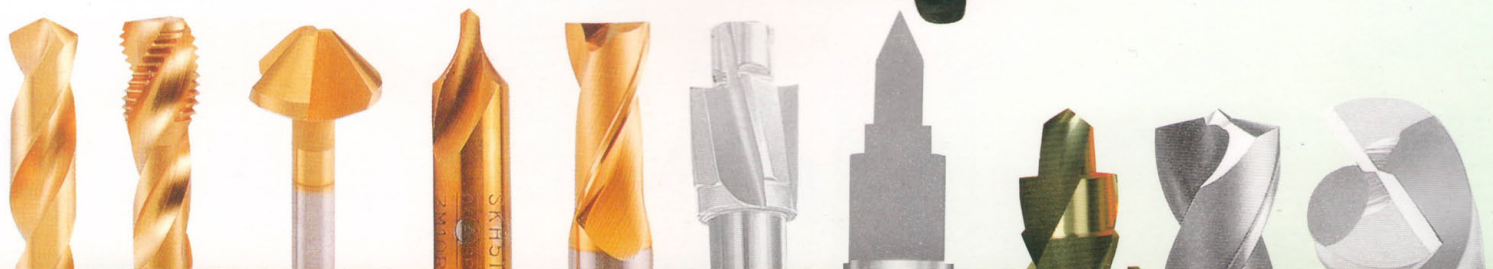
Longitudinal travel of table	120 mm
Cross travel of saddle	135 mm
Rotary angle of wheel head	360°
Point angle	90° -180°
Size of wheel	125 x 50 x 31.75 mm
Speed of wheel	3600 RPM
Motor	3/4HP, 110V/220V/380V
N.W./G.W.	95 kgs/120 kgs
Size of packing (L x W x H)	800 x 550 x 670 mm



Patent No. 75717



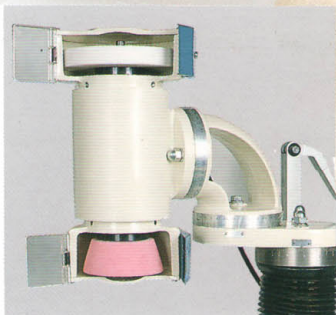
Patented replacement-free unique cam.





# PP-50

# Universal Tool



Patent No. 42447

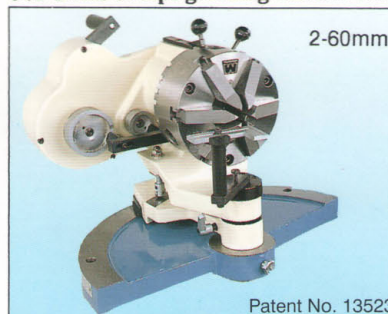
The main spindle of wheel head is designed three axis. The motor can be rotated 360° in horizontal plane and also can be set the incline angle & escape angle of drills easily. It can increase the grinding function & range of machinery.



- The machinery can grind drills, step drills, NC drills, taps, end mills, ball radius end mills, lathe tools, ball radius lathe tools, counter sinks, side cutters, round bars, reamers, hobs, round cutters, etc by changing the attachments.
- Double wheels. It only needs to rotate the motor when want to grind the tool of different material. It can increase the safety & save the time for changing & repairing the grinding wheel.
- Adopt import & precise roll guide on the table. The table is stable and can be operated smoothly.
- Adopt FC 30 cast iron with high toughness. It can keep the precision of the machine in a long time.

Longitudinal travel of table	230 mm
Cross travel of saddle	180 mm
Vertical adjustment of wheel head	120 mm
Rotary angle of wheel head	360°
Rotary angle of up-down spindle	360°
Working table area	620 x 190 mm
Size of wheel	180 x 25 x 31.75mm 125 x 50 x 31.75 mm
Speed of wheel	3600 RPM
Motor	3/4HP, 110V/220V/380V
N.W./G.W.	280 kgs/320 kgs
Size of packing (L x W x H)	1000 x 850 x 1540 mm

## 50B Drills & taps grinding attachment



- Grinding capacity:  $\phi$  2- $\phi$  60mm (straight shank & taper shank)
- The kinds of grinding tools include: drills, step drills, NC drills, counter sink, round bars, lips of end mills, etc.
- Double cams: Can grind the drills from one flute to six flutes, including odd number flutes and even number flutes
- The point angle of drills: 40° -180°
- The clearance angle of drills: 0° -18°

Patent No. 135236

## 50E R Type end mills & cutters grinding attachment

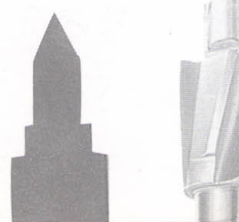


- The attachment can grind end mills, ball radius end mills, ball radius lathe tools, carving cutter, etc.

## 50F(600F) Lathe tools grinding attachment



- This attachment is specially used for grinding general lathe tools, CNC lathe tools.





# ool Grinder

# PP-600

- Adopt precise & import roll guide on the table. The table is stable and can be operated smoothly.
- The machine can grind drills, step drills, taps, end mills, ball radius end mills, lathe tools, ball radius lathe tools, side cutters, round bars, round cutters, reamers, hobs, etc by changing the attachments.
- The motor can be rotated 360°  
It can increase the grinding function & range of the machinery.
- Adopt FC 30 cast iron with high toughness. It can keep the precision of the machine in a long time.

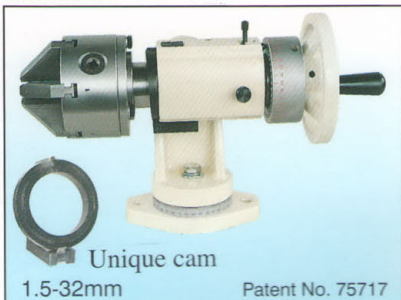
Longitudinal travel of table	185 mm
Cross travel of saddle	120 mm
Working table area	125 x 520 mm
Vertical adjustment of wheel head	140 mm
Vertical tilting range of wheel head	360°
Size of wheel	125 x 50 x 31.75 mm
Speed of wheel	3600 RPM
Motor	1/2HP, 110V/220V/380V
N.W./G.W.	170 kgs/200 kgs
Size of packing (L x W x H)	750 x 700 x 800 mm

Grinding capacity:  
φ 1.5- φ 32mm(straight shank & taper shank)

The kinds of grinding tool include: drills, step drills, taps, side cutters, tips of end mills, round bars, etc.

Unique cam: The cam of grinding drills & the cam of grinding taps.

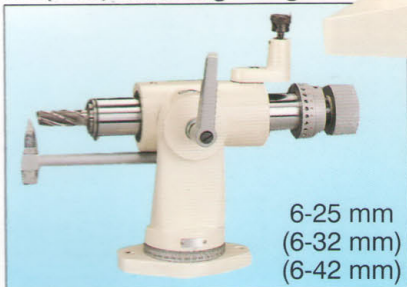
## 50K(600K) drills & cutters grinding attachment



Adopts precision 5C collects for the attachment, and uses special tool steel for the main spindle. It is very precise and durable owing to high frequency heat-treatment and chromium plating grinding.

The kinds of grinding tools include: end mills, side cutters, etc.

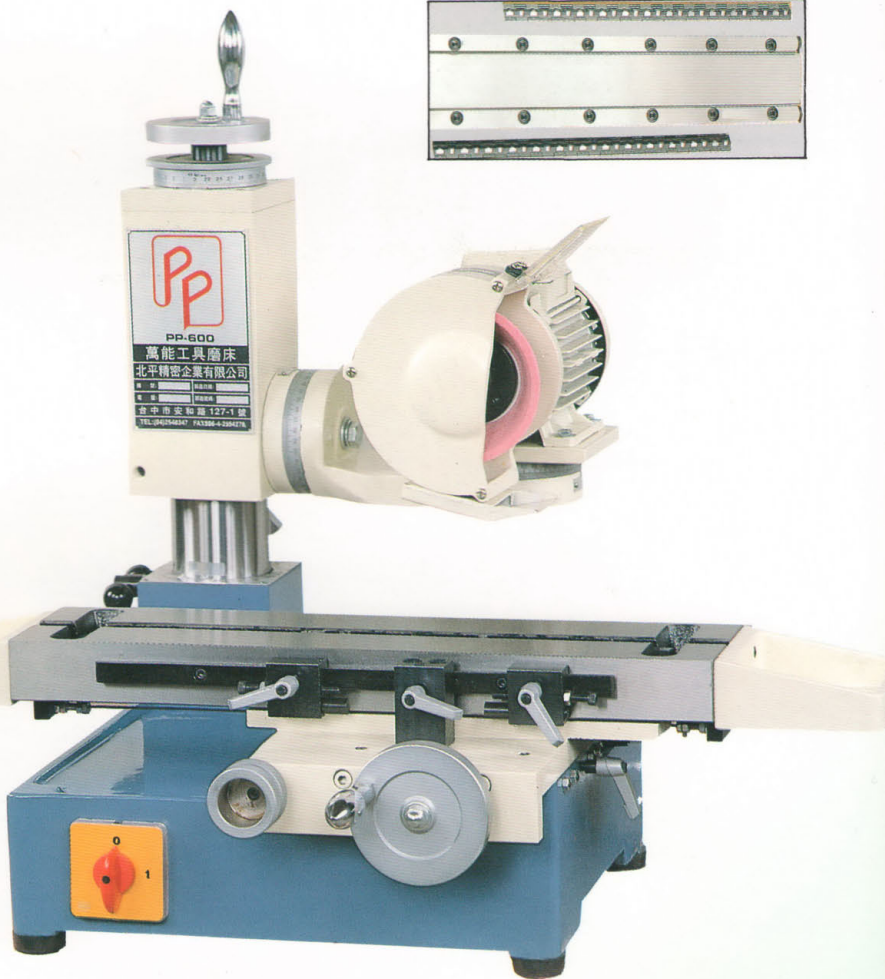
## 50D(600D) End mills grinding attachment



## 50H(600H) Tools grinding attachment



This attachment specially grinds end mills, reamers, hobs, side cutters, etc.





# PP-60N PP-80N PP-100

## Universal Drill & Tap Grinder

Patent No. 135236

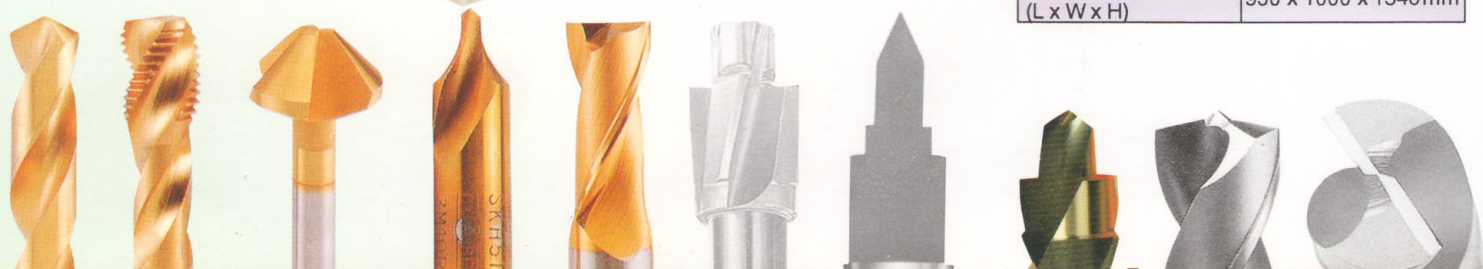


Double cams: It can grind the drills from one flute to six flutes, including odd number flutes and even number flutes.



- Grinding capacity:  
PP-60N:  $\phi$  2- $\phi$  60mm(straight shank & taper shank)  
PP-80N:  $\phi$  4- $\phi$  80mm(straight shank & taper shank)  
PP-100:  $\phi$  5- $\phi$  100mm(straight shank & taper shank)
- The kinds of grinding tool include: drills, step drills, taps, counter sink, round bars, lips of end mills, etc.
- Adopt the precise 6" 6 pawl chuck, clipping one time. It can grind the blade of drills and do the paring of drills abdomen. The angle of drills and the length of the blade are the same after grinding. It can keep the drill center without off center.
- The main spindle have the grinding wheel 2pcs. The blade and the center of drills can be grinded one time. It can save the time for changing the grinding wheel.
- To clip directly the repair of grinding wheel in the attachment and it can do the repair of grinding wheel.
- The motor can be removed 160mm up & down, it can increase the control of the machinery.

Longitudinal travel of table	250 mm
Cross travel of saddle	180 mm
Vertical adjustment of wheel head	165 mm
Rotary angle of wheel head	360°
Clearance angle	0° -18°
Point angle	40° -180°
Size of wheel	180 x 32 x 31.75 mm 180 x 19 x 31.75 mm
Speed of wheel	3600 RPM
Motor	1/2HP, 220V/380V
N.W./G.W.	280 kgs/300 kgs
Size of packing (L x W x H)	950 x 1000 x 1540mm

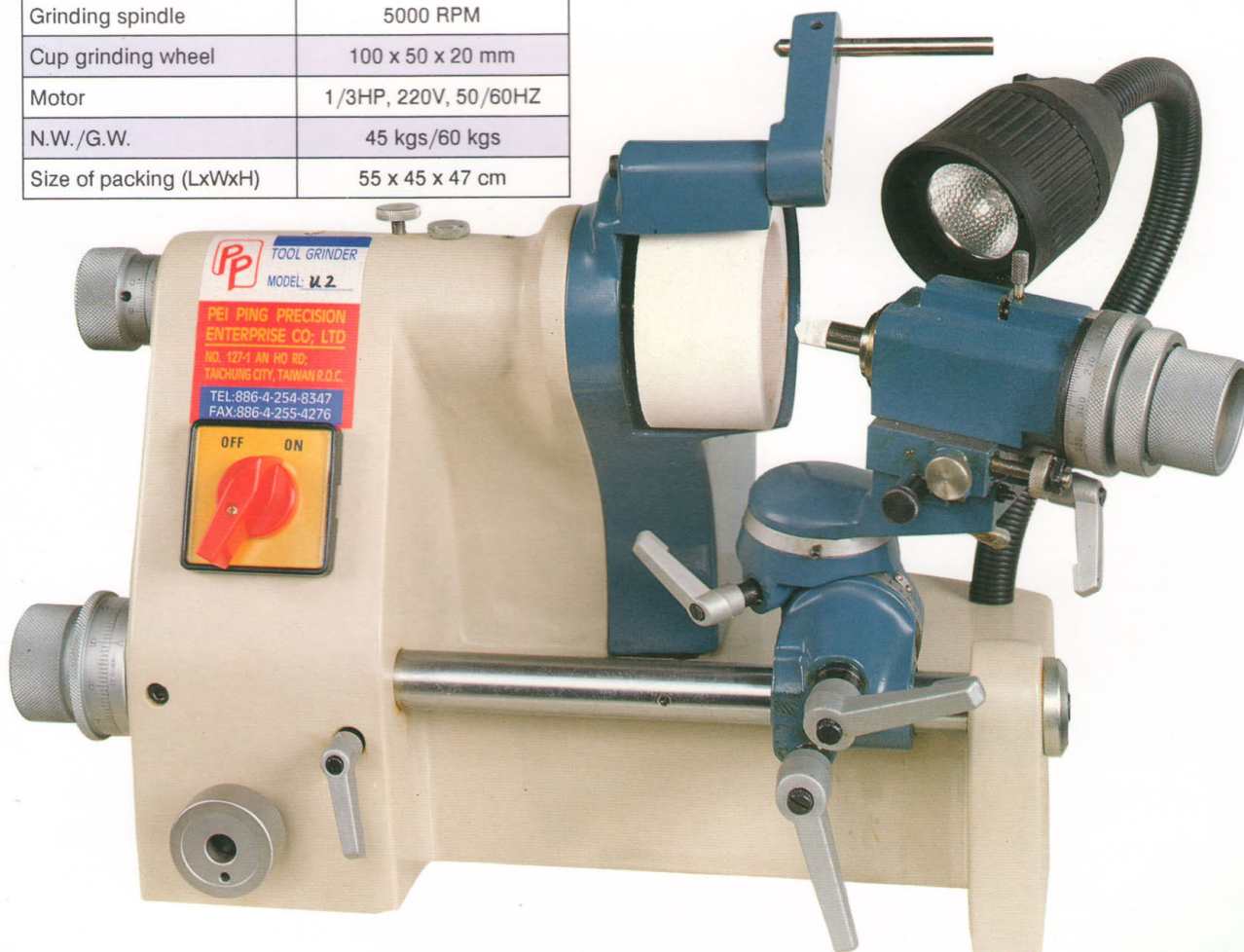




# PP-U<sub>2</sub> Carving Cutter Grinder

For grinding hss and carbide engraving cutter as well as single lip or multiple-lip cutters of various shapes such as radiused cutters or negative taper angle of cutters, The universal index head is provided at 24 positions so that any particular angle or shape can be obtained, free 360° or 180° rotation is allowed.

Max. collet capacity	φ 18 mm
Max. grinding dia.	φ 25 mm
Taper angle	0° -180°
Relief angle	0° -45°
Negative angle	0° -25°
Grinding spindle	5000 RPM
Cup grinding wheel	100 x 50 x 20 mm
Motor	1/3HP, 220V, 50/60HZ
N.W./G.W.	45 kgs/60 kgs
Size of packing (LxWxH)	55 x 45 x 47 cm





# PP-25 PRECISION ENDMILL GRINDER

- ▶ **Simple to Set-Up**
- ▶ **Easy to Operate**
- ▶ **Grinding Fast**

## FEATURES

- Specially designed machine structure permits the set-up of cutting lips and edges last sharpened at same time.
- Simple operation. Unskilled operator.
- Pat. pending.

Grinding capacity	6mm~25mm
Longitudinal travel of table	50 mm
Cross travel of saddle	50 mm
Motor	1/2HP, 110V/220V/380V
Speed of motor	3600 rpm
N.W. / G.W.	50kgs / 75kgs
Size of grinding wheel	125 x 50 x 31.75
Size of packing (LxWxH)	700 x 520 x 620 mm

· Specifications subject to change without prior notice.



## STANDARD ACCESSORIES

- Grinding wheel .....1 PC
- Diamond dresser .....1 PC
- Work light .....1 PC
- 5C collet ..... 7 PCS
- Wheel wrench ..... 1 PC
- Tools .....1 SET

## OPTIONAL ACCESSORIES

- SDC diamond grinding wheel
- CBN diamond grinding wheel
- Floor table



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