

PP-32N

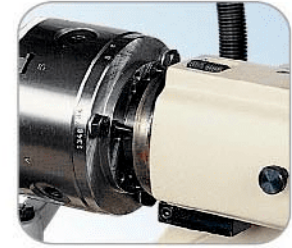
Universal Cutter Grinder

Features:

- I. The wheel heads can be rotated 360° and be installed two wheels.
Just rotate the wheel head, when need to grind the tool of different materials.
It can increase the safety & save the time for changing & repairing the grinding wheel.
- II. Adopts the precision 4" 6-jaw awl type chuck. It can clip stably. At the same time, it can grind the cutting edge and web thickness of drills in one set-up.
The both sides of drill angle and the edge length are equal. It could keep the accuracy of the center of drill without offset.
- III. Easy operation, grind fast and precisely.

The types of tools to be ground:

Drill, step drill, center drill, spotting drill, countersink cutter, tap, chamfer cutter, edge of end mill, engraving tool, sheet metal drill, round bar, etc.



Patent No.75717
Patented replacement-free unique cam.



SPECIFICATIONS

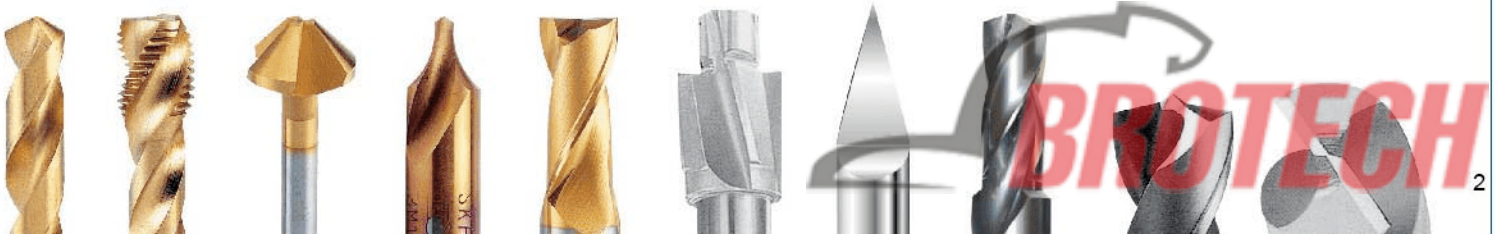
Model No.	PP-32N
Grinding Capacity	φ 2 mm~ φ 32 mm
Longitudinal Travel of Table	120 mm
Horizontal Travel of Table	135 mm
Rotating Angle of Wheel Head	360°
Point Angle of Drill	90°~180°
Size of Wheel	125x50x31.75 mm
Speed of Wheel	50HZ 2850 rpm 60HZ 3450 rpm
Horse Power / Voltage	3/4HP ; 110V / 220V / 380V / 415V
Net Weight / Gross Weight	90 kgs / 120 kgs
Packing Size (LxWxH)	95x55x68 cm

Standard Accessories:

1. 4" 6-jaw Awl Type Chuck-1 SET
2. Grinding Wheel(Type:6A)-1 PC
3. Grinding Wheel(Type:11A)-1 PC
4. Grinding Wheel Flange-2 SETS
5. Flange Wrench-1 PC
6. Chuck Handle-1 PC
7. Morse Taper Sleeve-1 PC(No.3)
8. Screw Pin-6 PCS
9. Work Light-1 SET
10. Tools for General Use-1 SET

Optional Accessories:

1. SDC Electroplated Grinding Wheel
2. CBN Electroplated Grinding Wheel
3. Morse Taper Sleeve (No.2)
4. Work Cabinet



PP-50 Universal Tool & Cutter Grinder

Features:

- I. The wheel heads can be rotated 360° and be installed two wheels.
Just rotate the wheel head, when need to grind the tool of different materials.
It can increase the safety & save the time for changing & repairing the grinding wheel.
- II. Adopt high precision cross roller guide on the table. The table is stable and can be operated smoothly.
- III. Adopt cast iron with high toughness. It can keep the precision of the machine in the long term.
- IV. There is a series of grinding attachments to choose from.

The types of tools to be ground include:

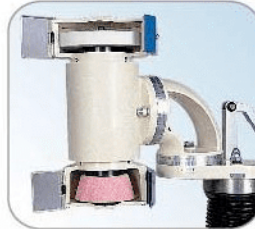
Drill, tap, (taper) end mill, (corner) radius end mill, turning tool, radius turning tool, chamfer cutter, countersink cutter, engraving cutter, side milling cutter, hob, reamer, gun drill, hole saw, annular cutter, slitting cutter, punch, round bar, etc.

SPECIFICATIONS

Model No.	PP-50
Longitudinal Travel of Table	230 mm
Horizontal Travel of Table	180 mm
Working Table Area	620x190 mm
Vertical Adjustment of Wheel Head	120 mm
Rotating Angle of Wheel Head	360°(A-axis+dual C-axis)
Size of Wheel	125x50x31.75 mm 180x25x31.75 mm
Speed of Wheel	50HZ 2850 rpm 60HZ 3450 rpm
Horse Power / Voltage	3/4HP ; 220V / 380V / 415V
Net Weight / Gross Weight	252 kgs / 310 kgs
Packing Size (LxWxH)	105x85x154 cm

Patent No. 42447

The spindle of wheel head is designed with A-axis+dual C-axis. The motor can be rotated 360°. Set the radial rake and relief angle easily It can increase the grinding range & function of machinery.



Standard Accessories:

1. Grinding Wheel(Type:5A)-1 PC
2. Grinding Wheel(Type:11A)-1 PC
3. Grinding Wheel Flange-2 SETS
4. Flange Wrench-1 PC
5. Work Light-1 SET
6. Tools for General Use-1 SET
7. Work Cabinet-1 SET

Optional Accessories:

1. SDC Electroplated Grinding Wheel
2. CBN Electroplated Grinding Wheel
3. 5C Collet (Min.3mm~ Max.25mm)
4. 5C Special Collet (32mm/42mm)
5. Morse Taper Sleeve (No.2)

Grinding Attachment

600F 50F Turning Tool Grinding Attachment



Turning Tool

50B Drill & Tap Grinding Attachment ϕ 2mm~ ϕ 60mm



Patent No. 135236

* Only installed on PP-50



Tap



Drill



End Mill



Chamfer Cutter



Center Drill



Step Drill

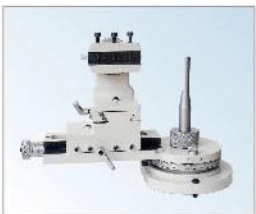


Countersink Cutter



Engraving Cutter

50EF Radius Turning Tool Grinding Attachment



Radius Turning Tool / Inserts

50H Tool Grinding Attachment



Side Milling Cutter



Hob



Reamer

BROTECH

PP-60N

Universal Drill & Tap Grinder

Features:

- I. There are two types of grinding wheels (5A & 12A) on wheel head of PP-60N. The end & chisel edge can be ground without changing the grinding wheel.
- II. For dressing grinding wheel, set the diamond dresser on the chuck and adjust the wheel head angle. The wheel motor can be adjusted 160mm vertically and rotate 180°. It can increase the function of machinery.
- III. Adopts the precision awl type chuck. It can clip stably. At the same time, it can grind the cutting edge and web thickness of drills in one set-up. The both sides of drill angle and the edge length are equal. It could keep the accuracy of the center of drill without offset.
- IV. Easy operation, grind fast and precisely.

The types of tools to be ground:

Drill, step drill, center drill, spotting drill, countersink cutter, tap, chamfer cutter, edge of end mill, engraving tool, sheet metal drill, round bar, etc.

SPECIFICATIONS

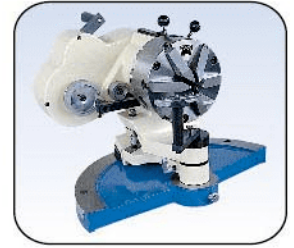
Model No.	PP-60N
Grinding Capacity	φ 2 mm~ φ 60 mm
Longitudinal Travel of Table	245 mm
Horizontal Trave of Table	180 mm
Vertical Adjustment of Wheel Head	160 mm
Clearance Angle of Drill	0°~18°
Point Angle of Drill	40°~180°
Size of Wheel	180x19x31.75 mm 180x32x31.75 mm
Speed of Wheel	50HZ 2800 rpm 60HZ 3360 rpm
Horse Power / Voltage	1HP ; 220V / 380V / 415V
Net Weight / Gross Weight	240 kgs / 310 kgs
Packing Size (LxWxH)	100x95x156 cm

PP-60N Standard Accessories:

1. 6" 6-jaw Awl Type Chuck-1 SET
2. Chuck Handle-1 PC
3. Grinding Wheel(Type:5A)-1 PC
4. Grinding Wheel(Type:12A)-1 PC
5. Grinding Wheel Flange-1 SET
6. Flange Wrench-1 PC
7. Morse Taper Sleeve- 3 PCS (No.3,4,5)
8. Cam-5 PCS (No.4,6,8,9,A2)
9. Work Light-1 SET
10. Tools for General Use-1 SET
11. Work Cabinet-1 SET

PP-60N Optional Accessories:

1. SDC Electroplated Grinding Wheel
2. CBN Electroplated Grinding Wheel
3. Cooling System
4. Auto Cycle Motor



Patent No. 135236
Double cams. It can grind tool of 1/2/3/4/6 Flutes.

