

Profile Cutter Grinder

Straight Knife Cutter (optional)

OUTSTANDING FEATURES:

- **APPLICATION:** The profile cutter grinder is suitable for grinding profiled knife and sharpening applications. Especially ideal for cutters that are used for cutting decoration strips.
- **APPLICABLE FOR CUTTERHEAD WITH VARIOUS KNIVES:** The cutter grinder is suitable for grinding a cutterhead with 2, 4, 6, 8 or more knives. The ground cutterhead can be directly used on the machine without need of further adjustment of knives.
- **SPEED CONTROL:** Upon request, a speed control can be used to adjust grinding wheel speed for grinding various types of knives.
- **ROTARY TYPE TRACING ROD ASSEMBLY:** Various shapes of tracing rod is available to suit complicated knife profiles.
- **CURVE-SHAPE SLIDE:** When grinding angle is changed, it is not necessary to dress the grinding wheel to return to dressing reference and adjust gap of tool rest. When grinding wheel diameter decreases, adjusting the gap of tool rest is easy.
- **GRINDING WHEEL DRESSER:** It provides fast dressing of grinding wheel to a shape that complies with that of the tracing rod. It is also applicable for correcting wear of the grinding wheel. When the grinding wheel diameter decreases, no further calibration is required.



MOD:PCG-320PHSK

- **GRINDING WHEEL CLAMP AND MICROMETRIC ADJUSTMENT OF WHEEL ARBOR:** Permits fast adjustment of grinding wheel that keeps it at the original dressing position.
- **TWO-DIRECTION POSITIONING OF ARBOR:** Allows for fast positioning when fitting cutterhead in the arbor. This combines with the positioning of template support to eliminate further calibration.
- **TILTING GRINDING RESET DEVICE:** The device provides accurate and fast positioning after tilting grinding is finished.
- **COOLING SYSTEM:** It prevents knife from burning during grinding. In addition, the cooling system removes powder and chips during grinding.
- **WASHING DEVICE:** Used for cleaning the grinding table.
- **MACHINE LIFTING:** The machine is lifted or moved by a forklift.



The cutter measuring device is directly online with the PLC of the machine.



Straight knife grinding (optional)



Straight knife grinding device (optional)



Grinding wheel dressing



Multiple tracing rods provide accurate and convenient grinding



Profiled knife grinding

Specifications:

MODEL	PCG-320PHSK
Maximum Length of Cutterhead	
Using locking collars	320 mm (12.6")
Hydro locking block	340 mm (13.4")
Solid profile (optional)	245 mm (9.6")
Maximum Cutting Circle	
Profile grinding	350 mm (13.8")
Straight knife (optional)	300 mm (11.8")
Solid profile (optional)	300 mm (11.8")
Minimum Cutting Circle	
All types	70 mm (2.75")
Maximum depth of profile	40 mm (1.57")
Grinding Wheels For Profile Grinding	
Diameter	230 mm (9")
Width	5 mm (0.197")
Dressed width	4.7 mm or 3.0 mm
Bore	31.75 mm (1.25"), 60 mm (2.36")
For straight knife grinding (C.B.N. type) (optional)	
Diameter	100 mm (4")
Bore	20 mm (0.787")
For solide profile (C.B.N. type) (optional)	
Diameter options	150 mm (6"), 175 mm (7"), 200 mm (8")
Bore	20 mm (0.787")
Spindle Speeds (Infinitely variable)	
Profile grinding spindle	1500-3000 rpm
Straight knife spindle (optional)	3000-6000 rpm
Motor Outputs	
Profile grinding spindle	1.5 kW (2 HP)
Straight knife spindle (optional)	0.75 kW (1 HP)
Head tilt (optional)	0.025 kW (0.03 HP)
Coolant pump	0.188 kW (0.25 HP)
Coolant System	
Tank capacity maximum	36 liters (8 gallons)
Tank capacity minimum	18 liters (4 gallons)
Machine Dimensions	
Depth	1150 mm (45.3")
Width	1150 mm (45.3")
Height	1680 mm (66.2")
Worklamp	20 W

• Specifications and design characteristics are subject to change without prior notice.