

ZB50 CUTTER GRINDER



Affordable, accurate & versatile

Simple to operate. Unskilled operators can quickly learn to produce perfect drill points. Setting up and grinding is fast and the web can be thinned in a few seconds.

Accurate. Rugged construction and precision components ensure accuracy and repeatability over many years. Heavy duty compound slides and one-piece cast iron base increase rigidity and minimise vibration. The work head incorporates precision needle roller and thrust bearings, while the main chuck spindle utilises a rotalin bearing giving less than 0.005mm deflection. The six-jaw chuck accurately centres the drill to ensure each cutting lip is equally ground for both length and angle to develop a precision point.

Versatile. A wide range of points can be ground: Right-hand and left-hand drills with point angles between 40° and 180° standard, centre drills, carbide drills, step and sub land drills, taps and reamers. A number of NC self-centre points can also be ground, including split, four-facet and spiral. Cutting lips can also be corrected.

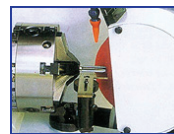
Standard Accessories:

- 6 Jaw Self-Centering Chuck
- Grinding Wheel (recessed one side)
- "Dish" Grinding Wheel for Point Thinning
- Grinding Wheel Flange and Balancing Weight
- Two Grinding Wheel Diamond Dressers (one angle dresser and one straight)
- No. 1,2,3,4 Morse Taper Sleeve
- Cam No.4 for Point Angle (40°-180°)
- Cam No.6 for Step Drill
- Cam No.8 for 4 Flute Taps or Reamers
- A.C. Motor
- Tools for General use
- Service/Instruction Manual
- Work Light (12 Volts)

Optional Accessories:

- Flood Coolant System (Increases wheel life and prevents burning of drill)
- Silicon Carbide and Diamond Wheels for Carbide Drills
- Radial Relief Attachment. Relieves Radius of Pilot to Produce Lands. Also for Sharpening End Mills
- Wheel Balancer & Arbor
- Auto Feed Mechanism (pre-setting feeding quantity)
- Powered Work head for Automatic Rotation & Cam Action (rpm 0-58 step less)
- Extra Grinding Wheel Flange for Cup Wheel
- Cup Grinding Wheel
- Cam for Left Hand Drills
- Cam for Spiral Point Drills
- Cam for Sheet metal Point Drills
- Cam for 1 Flute Grinding
- Cam for 3 Flute Grinding
- Cam for 5 Flute Grinding
- Cam for 6 Flute Grinding

**ALSO AVAILABLE WITH
POWERED HEAD**



Core drills, or taps and reamers etc, of 2, 3, 4 and 6 flutes can be taper point-ground.

Model	ZB50
Drill Size	(Ø3-Ø50mm) straight or taper shank (1, 2, 3, 4, 5, 6 flute)
Point Angles	40°-180°
Clearance angle	0°-18°
Motor	0.38kW(0.5hp) single or 3 phase totally enclosed fan cooled
Grinding Wheels	Main wheel 7" x 1 1/4" x 1 1/4" (180mm x 32mm x 31.75mm)
	Point thinning dish wheel 6 5/8"x7/8"x1 1/4" (165mm x 21mm x 31.75mm)
Grinding the End of End Mills	2, 3, 4, 6, 12 flute
X Stroke	240mm
Y Stroke	180mm
Net Weight	300kg
Dimensions	970mm x 910mm x 1370mm

Radial relief attachment. (Optional) With this device, a flank can be formed over the cylindrical margin of the smaller diameter section of standard twist drill. Also for sharpening end mills.



Grinding Counter-Sink drills (1,3,5 flute).



Grinding Conventional point drill.



The shoulder of stepped drills may be ground.



On these machines; Grinding the end of end mills, cutters are available as Standard.



SELF-CENTERING POINT Extends drill life, improves hole quality & reduces thrust.

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.