



Brierley PCD/PCBN Tool Grinding Machine



- One-Piece Cast Iron Base Provides Extra Rigidity and Minimises Vibration.
- In feed Slide and Grinding Head Slide Use Schneeburger Type N and O Heavy Duty & Precision Linear Ways for Accuracy and Long Life.
- Heavy Duty Cross Table Pivots with Two Pairs of Precision Angular Contact Bearing.
- Cross Table Pivots Up To 270° with Two Adjustable Positioning Stops and Quickly Locks in Any Position Under Pneumatic Control.
- Grinding the Primary Cutting Edge Tip Radius and Secondary Cutting Edge without Set Up Changes.
- The Oscillation is Adjustable in Position, Stroke and Frequency.
- Video Optical System, with A 15X-120X(Zoom) Magnification Range and A 17" LCD Monitor, Allows For Measurement and inspection of Radii From 0.025Mm To 9.5Mm.
- Optical System Moves by Precision Slide Table with Digital Linear Scale For Easy Setup and for Measuring After Grinding.

Model	TGM500
Tip Radius	0-80mm
Spindle Speed	2850rpm 50hz
Grinding Wheel Size	150x40x40mm
Grinding Pressure Regulator	0-450 N
Grinding Wheel Oscillation Frequency	0-45/min (infinitely variable)
Grinding Wheel Oscillation Stroke	0-70mm (infinitely variable)
Grinding Wheel Height Adjustment	130mm
Grinding Wheel Stroke Range	500mm (infinitely variable)
Grinding Wheel inclination	0°-27°
Cross Table Swivelling Angle	270°
Cross Table Clamping Surface	210x160mm - 4 T slots
Worktable In feed Hand wheel Division	0.001mm / 1 division
Grinding Wheel Motor Power	2.2kw
Dimension	1830x2190x1920mm
Net Weight	2160 Kg

STANDARD ACCESSORIES:

- ✓ Machine Light
- ✓ Coolant System
- ✓ Quick Clamping Fixture
- ✓ Tool Stand (4pcs)
- ✓ Optical Linear Scale with DRO
- ✓ TV Camera with 15" LCD Monitor, Monitor Scope with Zoom System
- ✓ Splash Protection Shield with Magnetic Stand
- ✓ Cross table Locking Device, Pneumatic Control

OPTIONAL ACCESSORIES:

- High Performance Swivelling Angle Reader (0.05° increment)
- Grinding Wheel Spindle with Variable Speed (1000-4000rpm)
- Large Capacity Coolant Tank
- Round Tool Grinding Attachment
- Dividing Attachment
- Wheel Dresser
- Universal Worktable
- 250mm Projector 20 Magnification

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