

Gate - PBM

Turret Milling Machines

Premium turret mills affordably priced

The PBM-SUPER and PBM-SUPER HD are heavy duty turret milling machines that offer an unrivalled package of standard equipment at an unbeatable price. All Gate machines are supplied with a 2 year warranty as standard.

Features PBM-SUPER/PBM-SUPER HD

- Power downfeed to the quill in 3 steps: 0.04, 0.08 & 0.15 mm/Rev
- Variable speeds 60 - 3600rpm
- Powerful 5HP motor
- ISO 40 spindle
- Wider saddle and square slideways for greater stability
- Pendant mounted controls for easy operator use
- Turret slides
- Automatic lubrication
- Interlocked spindle guard
- Head does not tilt forward and back for greater rigidity (HD only)
- Increased distance of table rise and fall to accommodate larger workpieces (HD only)

PBM-SUPER PBM-SUPER HD

Standard Features - PBM-SUPER / HD

- Variable speed head
- ISO-40 spindle taper
- Powerful 5HP motor
- Power downfeed to quill
- Gear type X axis power feed
- Y axis power feed - align 500PY
- Power rise and fall to the table
- Air power drawbar - align PD-ISO
- Automatic lubrication
- Turret slides
- Interlocked spindle guard
- Conveniently located controls for easy operator use
- Splash tray
- Coolant equipment
- Halogen light
- Retractable safety handles
- CE mark

Premium Package - PBM-SUPER / HD

As detailed above plus:-

- 2 axis digital readout - Fagor 20M or 2 axis Electronica EL402M
- ER40-ISO40 collet chuck set with 15 collets



Interlocked Spindle guard

Optional Newall DP500 2
Axis DRO

MODEL PBM-SUPER/HD

Table:	
Working surface	1372 x 300mm
Travel (manual) (Super)	862 x 400 x 406mm
Travel (manual) (Super HD)	862 x 430 x 450mm
Travel (auto) (Super)	787 x 400 x 406mm
Travel (auto) (Super HD)	787 x 430 x 450mm
T Slot (w x no x p)	16 x 4 x 63mm
Spindle:	
Spindle nose	ISO40
Spindle speeds	60 - 3600rpm
Steps	variable
Motor (optional)	5HP
Spindle nose to table (Super)	30 - 520mm
Spindle nose to table (S,HD)	30 - 540mm
Spindle centre to column	200 - 700mm
Overarm travel	500mm
Quill travel	127mm
Quill feeds	0.04/0.08/0.15/REV
Swivel angle (Super)	R & L $\pm 45^\circ$ F & B $\pm 45^\circ$
Swivel angle (Super HD)	R & L $\pm 45^\circ$
Weight (Super/Super HD)	1500Kg/1600Kg

OPTIONS

1	Machine Vices	5	R/A Milling Attachment
2	Collet Chuck Sets	6	Horizontal Milling Attachment
3	Rotary Tables	7	Set of End Mills
4	Boring & Facing Heads	8	Enclosure Table Guards