



# Whitelaw

ENGINEERING MACHINERY  
INCORPORATED 1965



## 6BVS HEAVY DUTY VERTICAL BED TYPE MILLING MACHINE

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### KEY FEATURES:

- Manufactured in Taiwan
- Variable speed spindle (High and Low)
- Meehanite casting provides high strength ensuring minimal deformation
- Large table 1470x300mm with over 1000mm X travel
- Square ways for increased rigidity
- Hardened and ground worktable and slide ways
- Turcite "B" coated X & Y Axis slide-ways with slide way covers
- NT 40 spindle taper with hardened chrome 100mm quill
- Pendant for convenient location of controls
- Head swivels  $\pm 90^\circ$  left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Quality electrics & overload protection in an easy access enclosure
- High / neutral and low gear selection lever to maximise torque
- Infinitely variable X & Y axis feed with micro switch feed stops
- X axis ball C5 screw
- Infinitely variable feed to Z axis via inverter
- Metric dial graduations @ 0.02mm for X,Y & Z axis
- Automatic quill feed 0.015, 0.04, 0.08mm/rev
- Automatic cut off depth stop on quill
- Air power draw bar for quick release of tooling
- Automatic lubrication system
- Additional E-Stop fitted to the table for safety

### SPECIFICATIONS:

Table size:	... 1500 x 300 mm
T-slots:	...3 x 16 mm
X Axis (Longitudinal) travel	... 1050 mm
Y Axis (Cross) travel:	... 500 mm
Z Axis (Vertical) travel:	... 700 mm
Y Axis longitudinal feed Rate:	...0-2000 mm/min
X Axis longitudinal feed Rate:	...0-2000 mm/min
Z axis rapid feed rate:	...350 mm/min
Spindle taper & DIA:	... ISO-40 / 105 mm
Quill feeds (3):	...0.04, 0.06, 0.15 mm/rev
Quill travel/Dia:	... 127mm / $\varnothing$ 105mm
Spindle motor:	...5 HP 415v 3 Phase
Spindle speeds:	... 62-3700 rpm
Head tilts:	...90° swivel left & right
Spindle centre to column face:	...390 mm
Spindle nose to tabletop MAX:	... 740 mm
Approx weight:	...1500 kg



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### STANDARD EQUIPMENT:

- Spindle guard with micro switch
- Sino 3 axis digital readout
- Automatic lubrication
- Air power draw bar
- Coolant system & swarf tray
- Slide-way covers
- Counter weight
- X & Y axis align power feed
- C5 ballscrew to X axis
- Z axis variable feed via inverter
- Low voltage LED work light
- Levelling pads and bolts
- Service and parts manual
- Tool box and service tools

