



# Whitelaw

ENGINEERING MACHINERY  
INCORPORATED 1965



## MODEL: VST-300 BED TYPE MILLING MACHINE

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### KEY FEATURES:

- Heavy duty ways for column
- Extended heavy-duty saddle support under table
- Box frame construction with high quality Taiwanese Meehanite casting ensuring minimal deformation
- Hardened and ground X & Y axis side-ways with Turcite-B
- Heavy duty oversize head for increased rigidity, tilts left and right 90°
- Vertical head gearbox is immersed in oil reducing noise and overheating of the gears
- Z axis rapid traverse motor
- Metric dial graduations @ 0.02mm for X, Y & Z axis
- NT40 spindle taper
- Pendant for convenient location of control
- Power feed of the quill with 3 speeds
- Quality electrics & overload protection in an easy access enclosure
- Quality Taiwanese manufacture
- 12 Months manufacturer's warranty

### SPECIFICATIONS:

#### TABLE:

Table size:	... 1270 x 370 mm (Opt 1470x370 mm)
Table T-slots: (WxNoxPitch)	... 18x3x100 mm
Travel X axis:	... 930 mm (Opt 1120 mm)
Travel Y axis:	...410 mm
Travel Z axis:	...540 mm

#### FEED:

X axis:	...(12 steps) 18-640 mm/min
Z rapid traverse:	...565 mm/min

#### SPINDLE:

Spindle nose/DIA:	...NT40 mm
Electronic spindle speed:	...Infinitely variable 52-3200 rpm
Spindle nose to table:	...130-670 mm
Swivelling angle of head:	...45° L&R
Spindle centre to column:	...450 mm
Quill travel:	...140 mm
Quill feeds:	...0.035/0.07/0.14 /rev

#### MOTOR

Vertical spindle:	.. 5HP Inverter
Feed X axis:	..3/4 HP
Feed Z axis:	... 1 HP

#### SIZE:

Machine weight:	...2550 kg
Dimensions:	1870x1485x2330 mm

#### Other:

Cross travel of ram:	...500 mm
Head tilt:	... 45° right & left
Spindle nose to table:	...95-545 mm
Spindle nose to column:	...190-690 mm
Horizontal rotation of ram:	...360°
Approximate overall height:	...2150 mm
Nett weight	... 2350 kg



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### STANDARD EQUIPMENT:

- 3 Axis digital readout
- Infinitely variable spindle speed Yaskawa Inverter
- X axis feed via integral gearbox
- Z axis rapid feed motor
- Auto lubrication system
- Coolant system & chip tray
- Metric draw bar
- LED work lamp
- Service & Parts manual
- Levelling pads & bolts

### OPTIONAL EQUIPMENT:

- Extended table 1470x370mm
- X / Y axis ballscrew with inverter feed
- X / Y / Z axis ballscrew with inverter feed
- X / Y / Z axis ballscrew with servo feed
- Air power draw bar
- Tooling Package