



VERTICAL MILLING MACHINE

FIRST II PB-VS500A

Features:

- ◆ Hardened and ground table
- ◆ 5HP Inverter drive vertical spindle
- ◆ Quill diameter 110mm
- ◆ X & Y-Axis ball screws driven by servo motors
- ◆ X & Y-Axis digital feed meter
- ◆ Z-Axis box way with rapid up and down
- ◆ 2-Axis Acu-Rite readout built into pendant



STANDARD:

- Metal chip cover - front
- Rubber chip cover - rear
- Automatic lubrication pump
- Coolant system
- Splash / chip tray
- Z-Axis rapid feed

INCLUDED:

- 2-Axis digital readout installed
- Align air power drawbar installed
- LED Machine lamp
- Transformer 600V-220V (14kVA)

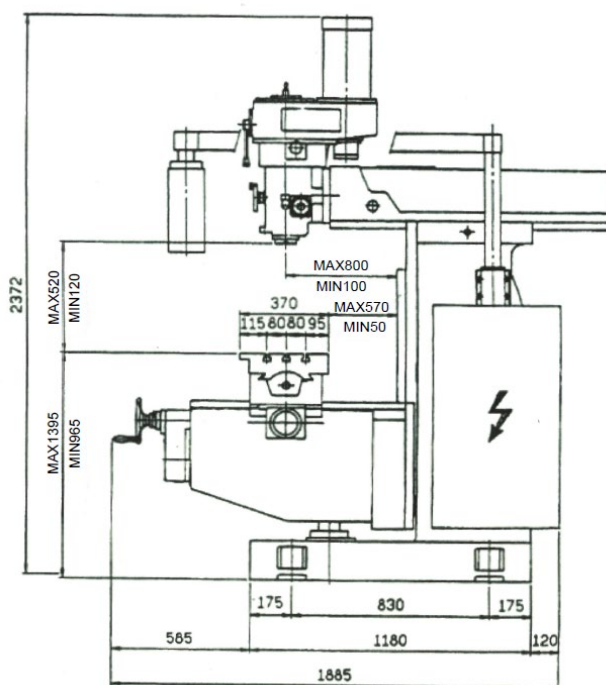
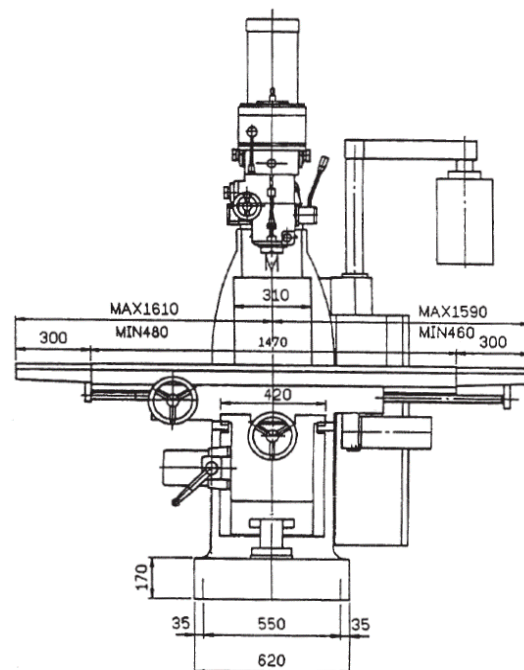
OPTIONAL:

- 3rd-Axis digital readout installed

FIRST II	PB-VS500A
TRAVEL	
X-Axis manual / automatic	1120 / 1120mm (44.09 / 44.09")
Y-Axis manual / automatic	520 / 500mm (20.47 / 19.68")
Z-Axis manual / automatic	430 / 400mm (17 / 15.74")
Guideway type X / Y / Z	dovetail / box / box
Bedway type X / Y / Z	hardened & ground Turcite-B
TABLE	
Work surface	1470 x 370mm (57.87 x 14.56")
Saddle width	910mm (35.82")
Work surface to ground	965 - 1395mm (38" - 55")
T-slot number (width x pitch)	3 (18 x 80mm) / 3 (0.70 x 3.15")
Max table load	500 kg (1102 lb)
VERTICAL SPINDLE	
Taper	ISA40
Spindle drive motor with inverter	5hp Yaskawa
Spindle speed - variable	60 - 3600rpm
Quill travel	140mm (5.51")
Quill diameter	Ø110mm (Ø4.33")
Quill feeds	0.035/0.07/0.14 mm/rev (0.0014/0.0028/0.0056"/rev)
Head swivel R & L	45°
Overarm travel	711mm (28")
Overarm swivel	360°
Spindle nose to table	120 - 520mm (4.72 - 20.47")
Spindle centre to column surface	178 - 889mm (7 - 35")
FEED SYSTEM	
Longitudinal feed - variable	30 - 3000mm/min (1.18 - 118.11"/min)
Cross feed - variable	30 - 3000mm/min (1.18 - 118.11"/min)
Vertical rapid feed	1150mm/min (45.27"/min)
X,Y-Axes feed motor	AC SERVO 750W
Z-Axis feed motor	1hp
GENERAL	
Electrical rating	230V 3Ph 60Hz
Depth x Width x Height	2070x2050x2600mm (81.5 x 82 x 102.5")
Weight	2350 kg (5180 lb)

Overall machine dimensions are for reference purposes only and
subject to change without notice.

Machine Dimensions



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