

VP-2012

CNC Bridge Type Vertical Machining center





BRIDGE BRINGS PERFORMANCE

Specification / Model	Unit	VP1509	VP2012	VP3012
X travel (Left & right)	mm(in)	1500(59.0)	2000(78.7)	3000(118.0)
Y travel (in & out)	mm(in)	900(35.4)	1200(47.2)	1200(47.2)
Z travel (up & down)	mm(in)	760(30.0)		
Distance from spindle nose to table top	mm(in)	200-960(7.9-37.8)		
Distance between columns	mm(in)	1000(39.4)	1300(51.2)	1300(51.2)
Table size (X direction)	mm(in)	1500(59.0)	2000(78.7)	3000(118.0)
Table size (Y direction)	mm(in)	800(31.5)	1100(43.3)	1100(43.3)
Table load capacity	kg(lb)	2400(5300)	3500(7700)	4500(9900)
Spindle motor (cont. / 30min. rating)	kw(HP)	11/ 15(15/ 20), 22/ 26 (30/ 35) OPT		
Spindle speed	rpm	10-6000, 10-8000 (OPT)		
Spindle taper		BT# 50(ISO 50) / DIN 69871A (OPT)		
Rapid traverse rate X/ Y axis	mm(in) / min	20000(787.4)		
Rapid traverse rate Z axis	mm(in) / min	15000(590.6)		
Cutting feedrate	mm(in) / min	1-8000 (0.04-315.0)		
Tool magazine capacity	Pcs	30 (40 OPT)		
Max. tool dia. / adjacent empty	mm(in)	125/ 215(4.9 / 8.5)		
Max. tool length	mm(in)	350 (13.8)		
Max. tool weight	kg(lb)	15(33)		
Positioning accuracy (JIS 6338)	mm(in)	+ 0.005(+ 0.0002) Full travel		
Positioning accuracy (VDI 3441)	mm(in)	P 0.025(0.001)		
Repeatability (JIS 6338)	mm(in)	+ 0.003(+ 0.0001)		
Repeatability (VDI 3441)	mm(in)	Ps 0.020(0.0008)		
Total required power		40KVA, 220V+ 10%, 3 phase 50/ 60 HZ		
Pneumatic pressure requirement	kg / cm ²	5		
Hydraulic unit tank capacity	liter	120(7.5 HP)		
Lubrication oil tank capacity	liter	4.6		
Coolant tank capacity	liter	240 (1HP)		
Axis guide-ways		THK X&Y linear way + Z Tur cite harden way (8000rpm spindle Z axis linear way)		
Machine weight	kg(lb)	14000(30800)	17000(37400)	20000(44000)
Standard accessories : 1.Spindle & gear train temperature control system 2.Spindle speed of 6000 rpm with geared train 3.Twin hydraulic counter weight cylinders 4.30 tools magazine 5.Rigid tapping 6.Arm ATC 7.Centralized automatic lubricating oil collector for 3 axis 8.Full splash guard 9.Coolant system and tank 10.Wash gun 11.Twin screw & caterpillar types conveyor and bucket 12.Foundation bolt kit 13.Heat exchanger for electric cabin 14.Remote handwheel control 15.Foot switch for tool clamping 16.Work light 17.Operation cycle finish and alarm lights 18.RS 232 interface 19.Machine manuals		Optional accessories : 1.Spindle speed up to 8000 rpm direct (35HP) 2.Linear scale feedback system for X, Y axis 3.Automatic tool length measurement 4.Automatic workpiece measuring system 5.Scanning system Die & Mold 6.CNC rotary table 7.Coolant through the spindle (Form A) 800L tank (coolant pump : 5HP, Pressure :15bear) 8.Coolant through the tool adapter 9.40 tool magazine 10.Sub-Operator's Panel (including 3 axis individual handwheel)		