



# CNC Double Column Machining Center

# PV Series

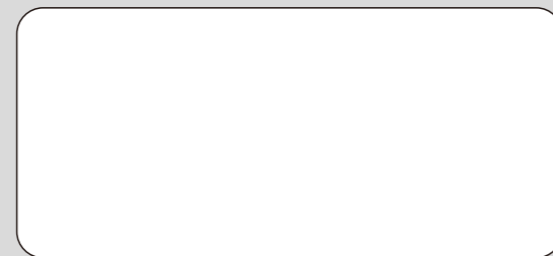


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QAC11-01



• Machine specifications and design are subject to change without prior notice due to on-going innovation.

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**CE ISO 9001**

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# Machine Specifications

MODEL	UNIT	PV-2216	PV-3216	PV-4216	PV-3221	PV-4221	PV-5221	PV-3226	PV-4226	PV-5226
<b>TRAVEL</b>										
X-axis travel	mm (in)	2,200 (86.6")	3,200 (125.9")	4,200 (165.3")	3,200 (125.9")	4,200 (165.3")	5,200 (204.7")	3,200 (125.9")	4,200 (165.3")	5,200 (204.7")
Y-axis travel	mm (in)	1,600 (62.9")			2,100 (82.6")			2,600 (102.3")		
Z-axis travel (OPT)	mm (in)	750 (29.5")			800 (1,000) 31.4" (39.3")			800 (1,000) 31.4" (39.3")		
Distance between columns	mm (in)	1,750 (68.8")			2,200 (86.6")			2,700 (106.2")		
Spindle nose to table surface	mm (in)	200~950 (7.8"~37.4")			200~1,000 (250~1,250) 7.8"~39.3" (9.8" ~ 49.2")			200~1,000 (250~1,250) 7.8"~39.3" (9.8" ~ 49.2")		
<b>TABLE</b>										
Table dimension	mm (in)	2,300 x 1,450 (90.5" x 57")	3,300 x 1,450 (129.9" x 57")	4,300 x 1,450 (169.2" x 57")	3,000 x 1,700 (118.1" x 66.9")	4,000 x 1,700 (157.4" x 66.9")	5,000 x 1,700 (196.8" x 66.9")	3,000 x 2,200 (118.1" x 86.6")	4,000 x 2,200 (157.4" x 86.6")	5,000 x 2,200 (196.8" x 86.6")
Max. loading weight	kg (lb)	6,000 (13,227)	8,000 (17,636)	10,000 (22,046)	8,000 (17,636)	10,000 (22,046)	12,000 (26,455)	12,000 (26,455)	14,000 (30,864)	16,000 (35,273)
T-slots (W x No.)	mm (in)	22 x 8 (0.86" x 8)			22 x 9 (0.86" x 9)			22 x 11 (0.86" x 11)		
<b>SPINDLE</b>										
Spindle speed	rpm	6,000 rpm Gear-head spindle				6,000 rpm Gear-head spindle				
Spindle motor	kW (HP)	15 / 18.5 (25)				15 / 18.5 (25)				
Spindle taper	type	7 / 24 taper No. 50				7 / 24 taper No. 50				
<b>AUTO. TOOL CHANGE</b>										
Tool shank	type	BT-50			BT-50			BT-50		
Tool storage capacity (OPT)	pcs.	32 (40 / 60)			32 (40 / 60)			32 (40 / 60)		
Max. tool diameter	mm (in)	Ø125 (4.9")			Ø125 (4.9")			Ø125 (4.9")		
Max. tool diameter (Adjacent empty)	mm (in)	Ø215 (8.4")			Ø215 (8.4")			Ø215 (8.4")		
Max. tool length	mm (in)	350 (13.7")			350 (13.7")			350 (13.7")		
Max. tool weight	kg (lb)	20 (44)			20 (44)			20 (44)		
<b>FEEDRATE</b>										
Rapid feedrate (X / Y / Z)	m (in) / min	20 / 20 / 16 (787.4 / 787.4 / 629.9)			12 / 15 / 15 (472.4 / 590.5 / 590.5)		10 / 12 / 12 (393.7 / 472.4 / 472.4)	12 / 15 / 15 (472.4 / 590.5 / 590.5)		10 / 12 / 12 (393.7 / 472.4 / 472.4)
Cutting feedrate	mm (in) / min	1 ~ 10,000 (393.7)			1 ~ 8,000 (314.9)			1 ~ 8,000 (314.9)		
<b>OTHERS</b>										
Floor plan (W x D)	mm (in)	6,600 x 4,800 (259" x 188")	8,800 x 4,800 (346" x 188")	10,800 x 4,800 (425" x 188")	8,800 x 5,000 (346" x 196")	10,800 x 5,000 (425" x 196")	12,800 x 5,000 (503" x 196")	8,800 x 5,500 (346" x 216")	10,800 x 5,500 (425" x 216")	12,800 x 5,500 (503" x 216")
Machine weight	kg (lb)	25,000 (55,115)	27,000 (59,524)	30,000 (66,138)	35,000 (77,161)	38,000 (83,775)	42,000 (92,594)	39,000 (85,980)	42,000 (92,594)	48,000 (105,821)
Max. machine height	mm (in)	3,950 (155")			4,200 (165")			4,200 (165")		
Air source	kgf / cm <sup>2</sup> (PSI)	6 ~8 (85 ~ 113)				6 ~8 (85 ~ 113)				
Power capacity	KVA	40 kVA				40 kVA				

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Standard accessories	Optional accessories
<ul style="list-style-type: none"> <li>● 6,000 rpm gear-head spindle</li> <li>● Spindle oil cooler</li> <li>● 32 tools chain type ATC</li> <li>● Foot switch for tool clamping / unclamping</li> <li>● Coolant flushing system</li> <li>● Chip air blast</li> <li>● Built-in chip crews</li> <li>● Chip conveyor with bucket</li> </ul>	<ul style="list-style-type: none"> <li>● Oil-skimmer</li> <li>● Heat exchanger</li> <li>● Automatic lubrication unit</li> <li>● Pneumatic system</li> <li>● Hydraulic counter-balance</li> <li>● Working lamps</li> <li>● Working stair</li> <li>● Leveling bolts</li> </ul>
	<ul style="list-style-type: none"> <li>● BT-40 I.D.D. spindle</li> <li>● 10,000 rpm built-in motor spindle</li> <li>● 40 / 60 tools chain type ATC</li> <li>● Coolant through spindle</li> <li>● Deep hole adaptor</li> <li>● High pressure pump</li> <li>● Linear scales</li> <li>● CNC rotary table</li> </ul>
	<ul style="list-style-type: none"> <li>● Auto tool length measurement</li> <li>● Workpiece measurement</li> <li>● Milling head</li> <li>● Air condition</li> <li>● Central cooling ballscrews</li> <li>● CE modification</li> <li>● Transformer</li> </ul>