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QAC11-01



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

2000-2017-02



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550 / 750 / 900 / 1100 / 1300

CPV**Advanced Vertical Machining Center**

850B / 1050B / 1100B / 1200B / 1400B / 1600B

CPV-B**Heavy Duty, All Square Guideways
Vertical Machining Center**

MODEL	UNIT	CPV-550	CPV-750	CPV-900	CPV-1100	CPV-1300	CPV-850B	CPV-1050B	CPV-1100B	CPV-1200B	CPV-1400B	CPV-1600B	CPV-1800B	CPV-2200B
X-axis Travel	mm	550	750	900	1,100	1,300	850	1,050	1,100	1,200	1,400	1,600	1,800	2,200
Y-axis Travel	mm	430		560		600	530	530	620	750	750	830	830	1,020
Z-axis Travel	mm	480		560		610	530	780	600	700	650	700	700	800
Table Dimension	mm	650 x 430	850 x 430	1,000 x 550	1,200 x 550	1,400 x 600	950 x 530	1,050 x 530	1,200 x 600	1,300 x 700	1,550 x 700	1,800 x 800	2,000 x 800	2,400 x 1,020
Max. Loading Weight	kg	300		700	800	1,000	800	1,000	1,100	1,500	1,800	2,000	2,200	3,000
Spindle Speed	rpm	8,000 (10,000 / 12,000 / 15,000)			8,000 (10,000 / 12,000)		8,000	10,000	8,000	6,000	8,000	6,000	8,000	6,000
Spindle Motor	kW	5.5 / 7.5		7.5 / 11			11 / 15	11 / 15	11 / 15	11 / 15	9 / 11	11 / 15	9 / 11	11 / 15
Tooling System	type	BT-40 (BT-30)		BT-40			BT-40	BT-40	BT-40	BT-50	BT-40	BT-50	BT-40	BT-50
No. of Tools	pcs.	20 (16)		24 (20)			24 (20)	24	24 (20)	24	24 (20)	24	24 (20)	24
Rapid Traverse (X / Y / Z)	m/min.	30 / 30 / 30		36 / 36 / 24		24 / 24 / 24	20 / 20 / 20	30 / 30 / 30	20/20/20	20/20/15	15 / 15 / 15	15 / 15 / 15	15 / 15 / 12	15 / 15 / 12



SMART I / SMART II

SMART**High Speed
Vertical Machining Center**

850 / 1050 / 1100 / 1300

CNV**Vertical Machining Center**

MODEL	UNIT	SMART I	SMART II	CNV-850	CNV-1050	CNV-1100	CNV-1300
X-axis Travel	mm	550	750	850	1,050	1,100	1,300
Y-axis Travel	mm	430		520	540	580	600
Z-axis Travel	mm	450		520	520	560	610
Table Dimension	mm	650 x 430	850 x 430	950 x 520	1,150 x 520	1,200 x 550	1,400 x 600
Max. Loading Weight	kg	300		500	600	700	900
Spindle Speed	rpm	10,000 I.D.D. (12,000 / 15,000)		8,000 (10,000 / 12,000)			
Spindle Motor	kW	5.5 / 7.5		7.5 / 11			
Tooling System	type	BT-40		BT-40			
No. of Tools	pcs.	20		24 (20)			
Rapid Traverse (X / Y / Z)	m/min.	48 / 48 / 48		30 / 30 / 30	30 / 30 / 30	30 / 30 / 24	24 / 24 / 24



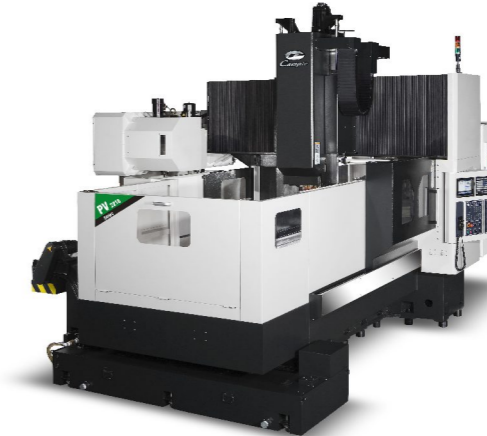
900 / 1100 / 1300

CQV**High Performance Machining Center**

MODEL	UNIT	CQV-900	CQV-1100	CQV-1300
X-axis Travel	mm	900	1,100	1,300
Y-axis Travel	mm		580	600
Z-axis Travel	mm		560	610
Table Dimension	mm	1,000 x 550	1,200 x 550	1,400 x 600
Max. Loading Weight	kg	700	800	1,000
Spindle Speed	rpm	10,000 I.D.D. (12,000 / 15,000)		
Spindle Motor	kW	11 / 15		
Tooling System	type	BT-40		
No. of Tools	pcs.	24 (30 / 40)		
Rapid Traverse (X / Y / Z)	m / min.	36 / 36 / 30		



2216 / 3216 / 4216 / 3221 / 4221 / 5221 / 3226 / 4226 / 5226 / 4231 / 5231

PV**Double Column Machining Center**

MODEL	UNIT	PV-2216	PV-3216	PV-4216
X-axis Travel	mm	2,200	3,200	4,200
Y-axis Travel	mm		1,600	
Z-axis Travel	mm		750	
Table Dimension	mm	2,300 x 1,450	3,300 x 1,450	4,300 x 1,450
Max. Table Load	kg	6,000	8,000	10,000
Spindle Speed	rpm	6,000 / Gear Head (Opt. : 10,000 / Built-in Spindle)		
Spindle Motor	kW	15 / 18.5 (L : 15 / 18.5, H : 22 / 25)		
Tooling System	type	BT-50		
No. of Tools	pcs.	32 (40 / 60)		
Rapid Traverse (X / Y / Z)	m / min.	20 / 20 / 16		

MODEL	UNIT	PV-3221	PV-4221	PV-5221
X-axis Travel	mm	3,200	4,200	5,200
Y-axis Travel	mm		2,100	
Z-axis Travel	mm		800 (1,000)	
Table Dimension	mm	3,000 x 1,700	4,000 x 1,700	5,000 x 1,700
Max. Table Load	kg	8,000	10,000	12,000
Spindle Speed	rpm	6,000 / Gear Head (Opt. : 10,000 / Built-in Spindle)		
Spindle Motor	kW	15 / 18.5 (L : 15 / 18.5, H : 22 / 25)		
Tooling System	type	BT-50		
No. of Tools	pcs.	32T (40T / 60T)		
Rapid Traverse (X / Y / Z)	m / min.	12 / 15 / 15		10 / 12 / 12

MODEL	UNIT	PV-3226	PV-4226	PV-5226
X-axis Travel	mm	3,200	4,200	5,200
Y-axis Travel	mm		2,600	
Z-axis Travel	mm		800 (1,000)	
Table Dimension	mm	3,000 x 2,200	4,000 x 2,200	5,000 x 2,200
Max. Table Load	kg	12,000	14,000	16,000
Spindle Speed	rpm	6,000 / Gear Head (Opt. : 10,000 / Built-in Spindle)		
Spindle Motor	kW	15 / 18.5 (L : 15 / 18.5, H : 22 / 25)		
Tooling System	type	BT-50		
No. of Tools	pcs.	32 (40 / 60)		
Rapid Traverse (X / Y / Z)	m / min.	12 / 15 / 15		10 / 12 / 12

MODEL	UNIT	PV-4231	PV-5231
X-axis Travel	mm	4,200	5,200
Y-axis Travel	mm		3,100
Z-axis Travel	mm		800 (1,000)
Table Dimension	mm	4,000 x 2,700	5,000 x 2,700
Max. Table Load	kg	18,000	20,000
Spindle Speed	rpm	6,000 / Gear Head (Opt. : 10,000 / Built-in Spindle)	
Spindle Motor	kW	15 / 18.5 (L : 15 / 18.5 ; H : 22 / 25)	
Tooling System	type	BT-50	
No. of Tools	pcs.	32 (40 / 60)	
Rapid Traverse (X / Y / Z)	m / min.	12 / 15 / 15	



U255C / U350 / U500

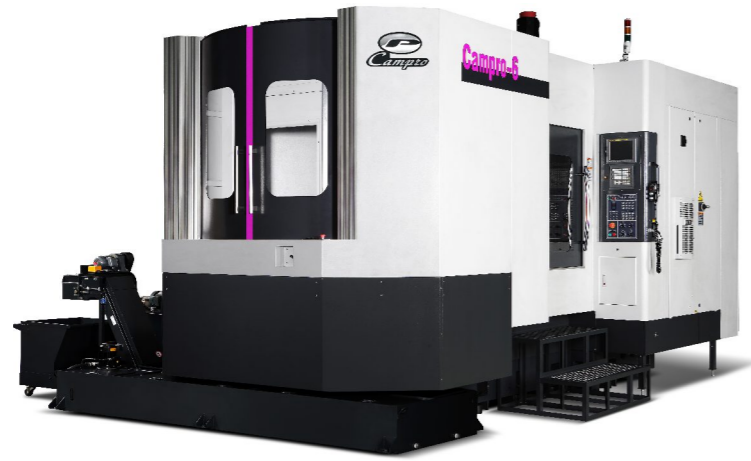
U**5-axis Machining Center**

MODEL	UNIT	U170C	U255C	U350	U500
X-axis Travel	mm	380	400	430	580
Y-axis Travel	mm	430	520	600	800
Z-axis Travel	mm	400	450	460	550
Table Dimension (Dia.)	mm	170	255	350	550
A-axis Titing	deg	±100°	±110°	+30°~-120°	
C-axis Rotary	deg	360°	360°	360°	
Spindle Speed	rpm	10,000 I.D.D.	10,000 I.D.D.	12,000 Built-in spindle (15,000 / 18,000)	
Spindle Motor	kW	7.5 / 11	7.5 / 11	28	
Tooling System	type	BBT-40	BBT-40	BBT-40	
No. of Tools	pcs.	20	24 (30)	32 (40 / 60)	
Rapid Traverse (X / Y / Z)	m / min.	30 / 30 / 30	30 / 30 / 30	36 / 36 / 30	



CAMPRO

Horizontal Machining Center



MODEL	UNIT	CAMPRO 6
X-axis Travel	mm	1,000
Y-axis Travel	mm	850
Z-axis Travel	mm	950
Pallet Dimension	mm	630 x 630
Spindle Speed	rpm	10,000 Built-in spindle (6,000 gear head)
Spindle Motor	kW	22 / 26 (L : 15 / 22, H : 25 / 30)
Tooling System	type	BT-50
No. of Tools	pcs.	40 (60 / 90 / 120)
Rapid Traverse (X / Y / Z)	m / min.	36



106 / 158 / 208 / 3510 / 3512 / 3518 / 3520

CPL

CNC Precision Lathe



MODEL	UNIT	CPL-106	CPL-158	CPL-208	CPL-3510	CPL-3512	CPL-3518	CPL-3520	
Max. Swing Over Bed	mm	450	450	540	570	700	900		
Max. Turning Diameter	mm	290	270	400	400	500	700		
X-axis Travel	mm	150+20	135+20	200+20	200+20	250+25	355+30		
Z-axis Travel	mm	350	320	500	700	1,000 (1,500)	2,200 (1,550/3,150)	2,150 (1,500/3,100)	
Rapid Traverse (X / Z)	m / min.	24 / 24				24 / 24 (20)		20 / 15 (20 / 15)	
No. of Tool Station		10-Station Hydraulic Turret					8-Station Hydraulic Turret		
Spindle Nose / Chuck		A2-5 / 6"	A2-6 / 8"	A2-6 / 8"	A2-8 / 10"	A2-11 / 12"	A2-11 / 18"	A2-15 / 20"	
Hole Through Diameter	mm	45	52	52	75	117.5	117.5	165	
Spindle Speed	rpm	6,000	4,200	4,200	3,000	2,000	2,000	1,000	
Spindle Motor	kW	5.5 / 7.5	7.5 / 11	11 / 15	22 / 26	22 / 26	22 / 26 (Gear type)		



VT-350

VT

CNC Precision Vertical Lathe



MODEL	UNIT	VT-350	VT-420
Max. Swing Over Bed	mm	400	400
Max. Turning Diameter	mm	350	420
Max. Turning Height	mm	298	298
X-axis Travel	mm	175+25	210+25
Z-axis Travel	mm	355	
Rapid Traverse (X / Z)	m / min.	20 / 20	
No. of Tools		12-Servo Turret	
Spindle Nose	type	A2-8	
Hydraulic Chuck Diameter	inch	12"	
Spindle Speed	rpm	2,000	
Spindle Motor	kW	22 / 26	



10MC / 20MC / 30MC / 3512MC / 3518MC / 3520MC / 3010Y / 3010SY

CPL-MC/SY

CNC Turning & Milling Center

CPL-MC : C-axis with living turret
 CPL-Y : C/Y-axis with living turret
 CPL-SY : C/Y-axis with living turret & sub-spindle



MODEL	UNIT	10MC	20MC	30MC	3512MC	3518MC	3520MC	3010Y	3010SY
Max. Swing Over Bed	mm	450	540	570	700	900		750	
Max. Turning Diameter	mm	170	260	260	300	590		400	
X-axis Travel	mm	150+5	200+5	200+5	240+25	350+35		260	
Y-axis Travel	mm	-	-	-	-	-		110 (±55)	
Z-axis Travel	mm	320	475	678	980 (1,460)	2,150(1,500)	2,100(1,450)	800 (1,350)	
Rapid Traverse (X / Z)	m / min.	24 / 24			24 / 24 (20)	20 / 15 (20)		20 / 20	
Rapid Traverse (Y)	m / min.	-	-	-	-	-		10	
No. of Tool Station		12-Station Servo Turret							
Spindle Nose / Chuck		A2-5 / 6"	A2-6 / 8"	A2-8 / 10"	A2-11 / 12"	A2-11 / 18"	A2-15 / 20"	A2-8 / 10"	A2-8 / 10"
Spindle Speed	rpm	6,000	4,200	3,000	2,000	2,000	1,000	3,000	4,000
Spindle Motor	kW	5.5 / 7.5	11 / 15	15 / 18.5	15 / 18.5	22 / 26	22 / 26	15 / 18.5	15 / 22 Built-in spindle