

# VERTICAL MACHINING CENTER



ISO 14001



ISO 9001



## CV-600



## CV-800



## CV-1000



## SPECIFICATIONS:

MODEL		CV-600	CV-800	CV1000	CV-1200A
<b>Travel</b>					
X travel	mm(inch)	610(24.0)	800(31.5)	1020(40.2)	1200(47.2)
Y travel	mm(inch)	410(16.1)	500(19.7)	560(22.0)	600(23.6)
Z travel	mm(inch)	540(21.3)	540(21.3)	600(23.6)	675(26.6)
Spindle nose to table	mm(inch)	100-640(3.9~25.2)	150-690(5.9-27.2)	135-735(5.3~28.9)	100~775(3.9~30.5)
<b>Spindle</b>					
Spindle speed	rpm	10000	8000	8000	8000
<b>Automatic tool changer</b>					
Tool number		16	16	20	20
Max tool diameter	mm(inch)	80(3.2)	100(3.9)	100(3.9)	100(3.9)
Max tool length	mm(inch)	200(7.9)	260(10.2)	305(12.0)	305(12.0)
Max tool weight	kg(lb)	6(13.2)	7(15.4)	7(15.4)	7(15.4)
ATC type		ARMLESS	ARMLESS	ARMLESS	ARMLESS
Tool shank		BT/CAT #40	BT/CAT #40	BT/CAT #40	BT/CAT #40
<b>Motor</b>					
Spindle motor(cont./30min.rated)	kw(hp)	5.5/7.5(7.5/10)	7.5/11(10/14.7)	7.5/11(10/14.7)	11/15(15/20)
X/Y/Z servo motor	kw(hp)	1.0/1.5/2.0(1.3/2.0/2.7)	1.5/1.5/1.5(2.0/2.0/2.0)	2/2/2(2.7/2.7/2.7)	2/2/2(2.7/2.7/2.7)
<b>Table</b>					
Table size	mm(inch)	700X400(27.6x15.7)	910x500(35.8x19.7)	1000x560(39.3x22.0)	1220x620(48.0x24.4)
Max load capacity	kg(lb)	350(770)	500(1100)	750(1650)	1000(2200)
T-slot(No. x Width x Distance)	mm(inch)	5x14x63(5x0.55x2.48)	3x18x125(3x0.71x4.92)	5x18x100(5x0.7x3.9)	5x18x100(5x0.7x3.9)
<b>Rapid speed</b>					
X rapid speed	M/min(fpm)	36(78.7)	24(78.7)	24(78.7)	24(78.7)
Y rapid speed	M/min(fpm)	36(78.7)	24(78.7)	24(78.7)	24(78.7)
Z rapid speed	M/min(fpm)	24(78.7)	20(65.6)	18(59.1)	18(59.1)
Cutting feedrate	mm/min(ipm)	1~10000(0.04~394)	1~10000(0.04~394)	1~10000(0.04~394)	1~10000(0.04~394)
<b>Controller</b>					
Mitsubishi		M64S	M64S	M64S	M64S
<b>Miscellaneous</b>					
Machine weight	kg(lb)	4200(9300)	5300(11700)	7000(15400)	8000(17600)
Power requirement	KVA	15	20	25	35
Coolant capacity	L	200	290	290	360
Air source	kg/cm <sup>2</sup> (psi)	6(85)	6(85)	6(85)	6(85)



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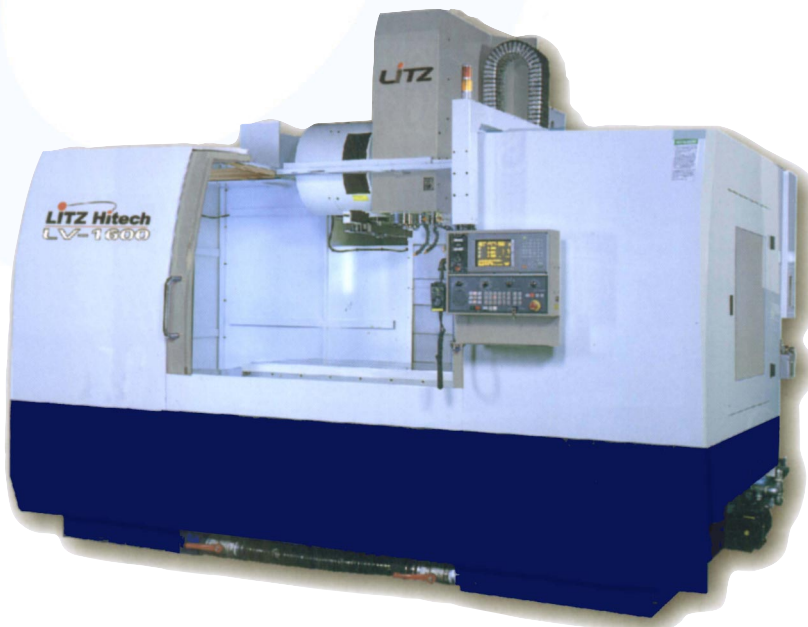
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## CV-1200



## CV-1600



  
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## SPECIFICATIONS:

MODEL		CV-1200B	CV-1400	CV-1600	CV-2000
<b>Travel</b>					
X travel	mm(inch)	1200(47.2)	1400 (55.1)	1600(63.0)	2000(78.7)
Y travel	mm(inch)	600(23.6)	900(35.4)	900(35.4)	900(35.4)
Z travel	mm(inch)	675(26.6)	800(31.5)	800(31.5)	800(31.5)
Spindle nose to table	mm(inch)	100~775(3.9~30.5)	100-900(3.9-35.4)	100~900(3.9~35.4)	100-900(3.9-35.4)
<b>Spindle</b>					
Spindle speed	rpm	6000	6000	6000(belt)	6000
<b>Automatic tool changer</b>					
Tool number		24	24	24	24
Max tool diameter	mm(inch)	240(9.4)	240(9.4)	240(9.4)	240(9.4)
Max tool length	mm(inch)	305(12.0)	305(12.0)	305(12.0)	305(12.0)
Max tool weight	kg(lb)	15(33.1)	15(33.1)	15(33.1)	15(33.1)
ATC type		ARM	ARM	ARM	ARM
Tool shank		BT/ CAT #50	BT/ CAT #50	BT/ CAT #50	BT/ CAT #50
<b>Motor</b>					
Spindle motor(cont./30min.rated)	kw(hp)	11/15(15/20)	15/18.5(20/25)	15/18.5(20/25)	15/18.5(20 / 25)
X/Y/Z servo motor	kw(hp)	2/2/2/(2.7/2.7/2.7)	3.5/3.5/3.5(4.7/4.7/4.7)	3.5/3.5/3.5(4.7/4.7/4.7)	4.5/4.5/4.5(6/ 6/ 6)
<b>Table</b>					
Table size	mm(inch)	1220x 620(48.0x24.4)	1500x 850(59.1x 33.5)	1700x 850(66.9x33.5)	2100x 850(82.7x33.5)
Max load capacity	kg(lb)	1000(2200)	2000(4410)	2000(44100)	3000(6000)
T-slot(No. x Width x Distance)	mm(inch)	5x18x100(5x0.7x3.9)	7x18x100(7x0.7x3.9)	7x18x100(7x0.7x3.9)	7x18x100(7x0.7x3.9)
<b>Rapid speed</b>					
X rapid speed	M/min(fpm)	24(78.7)	20(65.6)	20(65.5)	20(65.6)
Y rapid speed	M/min(fpm)	24(78.7)	20(65.6)	20(65.5)	20(65.6)
Z rapid speed	M/min(fpm)	18(59.1)	15(49.2)	15(49.2)	15(49.2)
Cutting feedrate	mm/min(ipm)	1~10000(0.04~394)	1-8000(0.04-315)	1~8000(0.04~315)	1-8000(0.04-315)
<b>Controller</b>					
Mitsubishi		M64S	M64S	M64S	M64S
<b>Miscellaneous</b>					
Machine weight	kg(lb)	9000(19800)	18000(35300)	19000(41900)	21000(46000)
Power requirement	KVA	35	40	40	40
Coolant capacity	L	360	500	500	550
Air source	kg/cm <sup>2</sup> (psi)	6(85)	6(85)	6(85)	6(85)