



**Vertical Machining Center
Double Column Machining
Center**

The Leading Edge in Efficient Machining



A+Results —

Beyond Expectations—from

A Comprehensive Product Range to Cover All Your Needs



VMC-95/VMC-115 Box Ways for X / Y / Z Axes

Enhanced Four Over-sized Box Way Base Design
In Front Screw Type Chip Auger Design
X/Y/Z Axes AC Servo Motor 3/3/3kw
Heavy Duty Model Machining

MODEL	Unit	VMC-95	VMC-115
Spindle Speed	r.p.m	8,000/10,000/12,000 DDS	
Table Size	mm	1,050 x 580 (41.34"x22.83")	1,200 x 580 (47.24"x22.83")
Max. Table Load	kgs	800(1,760lbs)	
X Axis	mm	900 (35.43")	1,100 (43.31")
Y Axis	mm	550 (21.65")	
Z Axis	mm	580 (22.83")	
Distance from Spindle Nose to Table	mm	170~750 (6.69"~29.53")	
Rapid Traverse	m/min	X,Y=20M/min (787 IPM) , Z=15M/min (590 IPM)	

Cutting Feedrate	mm/min	X / Y / Z : 1~10,000 (393 ipm)
Tool Shank		BT / CAT 40
Magazine Capacity	pcs	24/16 (option)
ATC Type		Arm Type / Armless Type (option)
Spindle (Cont./30min.)	kw(HP)	7.5/11 (10/15)
Machine Height	mm	2,450 (96.46")
Floor Space	mm	3,000 x 2,410 (118.11"x94.89")
Machine Weight	kgs	6,700 (14,740 lbs) 7,000 (15,400 lbs)
Control		FANUC / MITSUBISHI



VMC-116 Box Ways for X / Y / Z Axes

Enhanced Four Over-sized Box Way Base Design
In Front Screw Type Chip Auger Design
X/Y/Z Axes AC Servo Motor 3/3/3kw
Heavy Cutting Solutions BT-50

MODEL	Unit	VMC-116
Spindle Speed	r.p.m	6000 Gear
Table Size	mm	1200 x 580
Max. Table Load	kgs	800 (1760 lbs)
X Axis	mm	1100 (43.31")
Y Axis	mm	600 (23.62")
Z Axis	mm	600 (23.62")
Distance from Spindle Nose to Table	mm	170~770 (6.69"~30.31")
Rapid Traverse	m/min	X,Y: 20,000 Z: 15,000

Cutting Feedrate	mm/min	X,Y,Z: 1~10,000
Tool Shank		BT-40 / BT-50
Magazine Capacity	pcs	24 / 16 (option)
ATC Type		ARM TYPE
Spindle (Cont./30min.)	kw(HP)	7.5/11 (10/15)
Machine Height	mm	2640 (103.94")
Floor Space	mm	3000 x 2720 (118.11" x 107.09")
Machine Weight	kgs	8000 (15400 lbs)
Control		FANUC / MITSUBISHI



VMC-127/147 Box Ways for X / Y / Z Axes

Enhanced Four Over-sized Box Way Base Design
Y-Axis 4 Chip Augers Equipment
X/Y/Z Axes AC Servo Motor 4/4/7kw
Anti-Flex, Reinforced Base&Column Castings

MODEL	Unit	VMC-127/147
Spindle Speed	r.p.m	8000 Belt / 12000 DDS (BT-40)
Table Size	mm	1350 x 700/1550 x 700
Max. Table Load	kgs	1200/1400
X Axis	mm	1200/1400
Y Axis	mm	700 (27.56")
Z Axis	mm	700 (27.56")
Distance from Spindle Nose to Table	mm	120~820 (4.72"~32.28")
Rapid Traverse	m/min	X,Y,Z:15/15/10
Cutting Feedrate	mm/min	X,Y,Z: 1~10,000

Tool Shank		BT-40/BT-50
Magazine Capacity	pcs	24 Tools
ATC Type		
Spindle (Cont./30min.)	kw(HP)	7.5/11(10/15) BT-40/ 11/15(15/20) BT-50
Machine Height	mm	3200
Floor Space	mm	3600x3350 / 3800x3350
Machine Weight	kgs	8550/8750
Control		FANUC / MITSUBISHI

VMC-137/VMC-158 OPTION VMC-168 Box Ways for X / Y / Z Axes

Enhanced Four Over-sized Box Way Base Design
Three Screw Type Chip Augers Design
Y Axis Four Screw Type Chip Augers for VMC-168
X/Y/Z Axes AC Servo Motor 4/4/4kw

Heavy Duty with Versatility



MODEL	Unit	VMC-137	VMC-158
Spindle Speed	r.p.m	8,000 Belt / 6,000 Gear	
Table Size	mm	1,400 x 710	1,700 x 815
		(55.12"x27.95") (option 1,800x81.5")	(66.93"x32.09") (option 70.86"x32.09")
Max. Table Load	kgs	1,600	2,000
		(3,520lbs)	(4,400lbs)
X Axis	mm	1,300	1,500
		(51.18") (option 1,600)	(59.06") (option 62.99")
Y Axis	mm	700 (27.56")	800 (31.50")
Z Axis	mm	650 (25.59")	700 (27.56")
Distance from Spindle Nose to Table	mm	200~850	200~900
		(7.87"~33.46")	(7.87"~35.43")
Rapid Traverse	m/min	X,Y=15M/min (590IPM), Z=12M/min (472IPM)	

Cutting Feedrate	mm/min	X / Y / Z : 1~10,000 (393 ipm)	
Tool Shank		BT / CAT 50	
Magazine Capacity	pcs	24 Tools	
ATC Type		Cam Driven Arm Type	
Spindle (Cont./30min.)	kw(HP)	18.5/22 (25/30) Belt, 15/18.5 (20/25) Gear	
Machine Height	mm	3,130 (124")	3,320 (131")
Floor Space	mm	4,110 x 3,530 (162"x139")	4,540 x 3,800 (179"x150")
Machine Weight	kgs	12,000 (26,400lbs)	15,000 (33,000lbs)
Control		FANUC / MITSUBISHI	

VMC-1910/VMC-2210 Box Ways for X / Y / Z Axes

Enhanced Four Over-sized Box Way Base Design for VMC-1910
Enhanced One Piece Six Over-sized Box Way Design for VMC-2210
Three Screw Type Chip Augers Design
X/Y/Z Axes AC Servo Motor 7/7/7kw



Super Rigidity Machining Center

MODEL	Unit	VMC-1910	VMC-2210
Spindle Speed	r.p.m	8,000 Belt / 6,000 Gear	
Table Size	mm	2,100 x 1,000	2,400 x 1,000
		(82.68"x39.37")	(94.49"x39.37")
Max. Table Load	kgs	3,000	4,000
		(6,600 lbs)	(8,800 lbs)
X Axis	mm	1,900 (74.80")	2,200 (86.61")
Y Axis	mm	1,000 (39.37")	
Z Axis	mm	800 (31.50")	
Distance from Spindle Nose to Table	mm	150~950 (5.91"~37.40")	
Rapid Traverse	m/min	X,Y=12M/min (590 IPM), Z=10M/min (393 IPM)	

Cutting Feedrate	mm/min	X / Y / Z : 1~10,000 (393 ipm)	
Tool Shank		BT / CAT 50	
Magazine Capacity	pcs	32 Tools	
ATC Type		Cam Driven Arm Type	
Spindle (Cont./30min.)	kw(HP)	18.5/22 (25/30) Belt, 15/18.5 (20/25) Gear	
Machine Height	mm	3,600 (142")	
Floor Space	mm	5,100 x 3,900 (201"x154")	5,700 x 3,900 (225"x154")
Machine Weight	kgs	18,000 (39,600 lbs)	20,000 (44,000 lbs)
Control		FANUC / MITSUBISHI	

HPA-6/HPA-10 Roller-Rail Linear Guide Ways for X/Y/Z Axes

Japan Made Roller-Rail Linear Guide Ways
Three Axes Ballscrew Coolant Equipment
X/Y/Z Axes AC Servo Motor 3/3/4 kw (HPA-6)
X/Y/Z Axes AC Servo Motor 4/7/7kw (HPA-10)
With option Software program

Ultra-High-Speed Vertical Machining Center

Rapidest cutting feedrate 30,000 mm/min among Taiwanese machines



MODEL	Unit	HPA-6	HPA-10
Spindle Speed	r.p.m	10,000 (Belt)	10,000/15,000 DDS
Table Size	mm	700 x 420 (27.56" x 16.54")	1,100 x 560
Max. Table Load	kgs	1,000	
Table Load Capacity	kgs	300 (660lbs)	
X Axis	mm	610 (24.02")	1,020
Y Axis	mm	420 (16.54")	560
Z Axis	mm	460 (18.11")	510
Distance from Spindle Nose to Table	mm	150-610	150~660
		(5.91"~24.02")	
RAPID TRAVERSE (X/Y/Z)	m/min	36/36/36 (1416/1416/1416 IPM)	X,Y,Z: 32/32/32 IPM)

Cutting Feedrate	mm/min	1-30,000 (1179 IPM)	X / Y / Z : 1~30,000 (1179 ipm)
Spindle Taper		BT / CAT 50	
Magazine Capacity	pcs	24 Tool/(OPT. 16 Tool)	24
ATC Type		Arm Type	
Spindle Motor (CONT. /30 MIN.)	kw(HP)	7.5/11/15 (10/15/20)	7.5/11/15 (10/15/20)
Machine Height	mm	2390(94.09")	
Floor Space	mm	3,240 x 2,200 (127.56" x 86.61")	4,200x2,350
Machine Weight	kgs	4,000 (8,800 lbs)	7,000
Control		FANUC / MITSUBISHI	

EA-600/A-10L Ball-Rail/Roller-Rail (Option) Linear Guide Ways for X/Y/Z Axes

Twin Y-Axis Screw type chip auger for A-10L
 Taiwan Made Ball-Rail Linear Guide Ways
 Japan Made/Taiwan Made Roller-Rail Linear Guide Ways
 X/Y/Z Axes AC Servo Motor 3/3/3kw for EA-600
 X/Y/Z Axes AC Servo Motor 3/3/7kw for A-10L

High-Productivity, High-Efficiency Machining Center

MODEL	Unit	EA-600	A-10L
Spindle Speed	r.p.m	8,000 (opt. 10,000/12,000/15,000DDS)	
Table Size	mm	700 x 420 (27.56' x 16.54')	1,100 x 560 (43.31' x 22.05')
Max. Table Load	kgs	300 (660lbs)	650 (1,430 lbs)
X Axis	mm	600	1,020
Y Axis	mm	410	600
Z Axis	mm	460	600
Distance from Spindle Nose to Table	mm	150~610	150~750

Rapid Traverse	m/min	48000/48000/48000	32000/32000/28000
Cutting Feedrate	mm/min	1~10000	1~12000
Tool Selection		Shortest-Distance	
Magazine Capacity	pcs	24	
ATC Type		Arm-Type	
Spindle (Cont./30min.)	kw(HP)	5.5/7.5(7.5/10)	7.5/11(10/15)
Machine Height	mm	2560	3085
Floor Space	mm	1900 x 25600	2800 x 2736
Machine Weight	kgs	4000 (8800 lbs)	6500 (14300 lbs)
Control		FANUC / MITSUBISHI	

A-12/A-14 Roller-Rail Linear Guide Ways for X/Y/Z Axes

Taiwan Made Roller-Rail Linear Guide Ways
 X Axis 45mm Width Roller Linear Guide Ways/3 Sliders/2 Track
 Y Axis 45mm Width Roller Linear Guide Ways/2 Sliders/4 Track
 Z Axis 45mm Width Roller Linear Guide Ways/3 Sliders/2 Track
 Y axis Screw Type Chip Augers(4 pcs)
 X/Y/Z Axes AC Servo Motor 4/4/7kw

Unique Design of Four Roller-Rails Linear Guide Ways for the Ultimate

MODEL	Unit	A-12	A-14
Spindle Speed	r.p.m	P8000 (BT-40) / P8000 (BT-50)	
Table Size	mm	1350 x 700	1550 x 700
Max. Table Load	kgs	1200	1400
X Axis	mm	1200	1400
Y Axis	mm	700	
Z Axis	mm	700	
Distance from Spindle Nose to Table	mm	120~820	
Rapid Traverse	mm/min	X,Y,Z:32/32/24	

Cutting Feedrate	mm/min	X,Y,Z: 1~10,000	
Tool Shank		BT-40	BT-50
Magazine Capacity	pcs	24	
ATC Type		Arm-Type	
Spindle (Cont./30min.)	kw(HP)	7.5/11(10/15)	11/15(15/20)
Machine Height	mm	3200	
Floor Space	mm	3600x3350	
Machine Weight	kgs	8450	8650
Control		FANUC / MITSUBISHI	



BDO-2217/3223/4223

Roller-Rail Linear Guide Ways for X/Y, Box Way for Z axis

Japan Made Roller-Rail Linear Guide Ways
 X/Y/Z Axes AC Servo Motor 7/7/7kw
 Chip Conveyor and Twin Screw Type Chip Augers Design
 Thermal Compensation System & Oil Skimmer

BRIDGE TYPE Double Column Machining Center

MODEL	Unit	BDO-2217	BDO-3223	BDO-4223
Spindle Speed	r.p.m	6000(P&G)(Opt.8000)		
Table Size	mm	2000X1500 (78.7'X59.1')	3000X2000 (118.1'X78.7')	4000X2000 (157.5'X78.7')
Table Load Capacity	kgs	6,000 (13,200lbs)	10,000 (22,000lbs)	
X Axis	mm	2,200(86.6')	3,200(125.9')	4,200(165.4')
Y Axis	mm	1,600 (63')	2,100 (82.7')	
Z Axis	mm	1,000(39.4')/(opt800(31.5'))		
Distance From Spindle Nose To Table Surface	mm	200-1,200(7.8'-47.2')/ (opt200-1,000(7.8'-39.4'))		
Distance Between Column	mm	1760(69.3')	2360(92.9')	



Rapid Traverse	m/min	20/20/10m/min (787/787/393ipm)	12/12/10m/min. (472/472/393ipm)
Spindle Taper		BT/CAT	BT50/CAT50
Magazine Capacity	Arm type	32 Tool/(Opt. 40/60 Tool)	
Spindle Motor (Cont. /30 Min.)	kw(hp)	22/26(30/35)	
Machine Height	mm	3900	
Floor Space	mm	6760X5100	8530X6960
Machine Weight	kgs	26,000 (57,200lbs)	31,000 (68,200lbs)
			35,000 (77,000lbs)

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