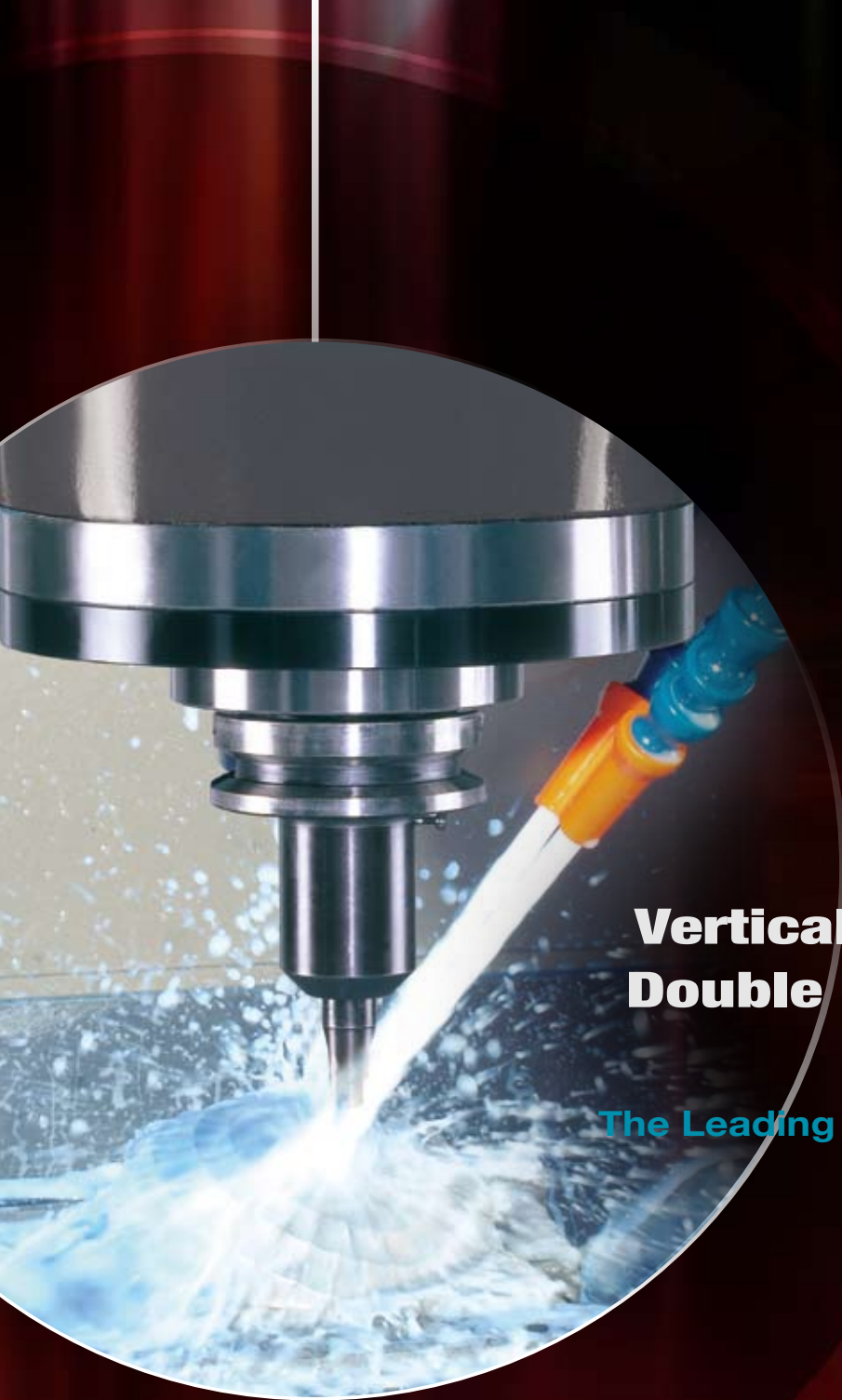




Vertical Machining Center Double Column Machining Center

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

Vertical Machining Center



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 7,000 (14,740 lbs) (15,400 lbs)
Control		FANUC 0iMD/18iMB

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

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

Vertical Machining Center



MODEL	Unit	VMC-137	VMC-158
Spindle Speed	r.p.m	8,000 Belt / 6,000 Gear	
Table Size	mm	1,400 x 710 (55.12"x27.95")	1,700 x 815 (66.93"x32.09")
Max. Table Load	kgs	1,600 (3,520lbs)	2,000 (4,400lbs)
X Axis	mm	1,300 (51.18")	1,500 (59.06")
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 (7.87"~33.46")	200~900 (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 4,540 x 3,800 (162"x139") (179"x150")
Machine Weight	kgs	12,000 15,000 (26,400lbs) (33,000lbs)
Control		FANUC 0iMD/18iMB

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

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

Vertical 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 (82.68"x39.37")	2,400 x 1,000 (94.49"x39.37")
Max. Table Load	kgs	3,000 (6,600 lbs)	4,000 (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 0iMD/18iMB	



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

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

VMC-2210N

Enhanced One Piece Six Over-sized Box Way Base Design for VMC-2210N
In Front Longer Chip Conveyor
Three Screw Type Chip Augers Design
X/Y/Z Axes AC Servo Motor 7/7/7kw
Vertical Machining Center



MODEL	Unit	VMC-2210N
Spindle Speed	r.p.m	8,000 Belt / 6,000 Gear
Table Size	mm	2,400x1,000 (94.49"x9.37")
Max. Table Load	kgs	4,000 (8,800 lbs)
X Axis	mm	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 (590IPM), Z=10M/min (393IPM)

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 6,840 x 4,280 (270"x169")
Machine Weight	kgs 23,200 (51,045 lbs)
Control	Fanuc 0iMD/18iMB

VMC-127H Advanced Type

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

Three Screw Type Chip Augers Design
Swiss Made Schneebberger Roller-Rail Linear Guide for Z axis
Hollow ball-screw with air cooling system for X/ Y/ Z. Design with shock absorber.
C-type column with hydraulic weight-balance system.
X/Y/Z Axes AC Servo Motor 4/4/7kw

High Speed and High Accuracy Vertical Machining Center



MODEL	Unit	VMC-127H
Spindle Speed	r.p.m	10,000 DDS
Table Size	mm	1,400 x 710 (55.12"x27.95")
Max. Table Load	kgs	1,200 (2,640 lbs)
X Axis	mm	1,200 (47.24")
Y Axis	mm	700 (27.56")
Z Axis	mm	600 (23.62")
Distance from Spindle Nose to Table	mm	200~800 (7.87"~31.50")

Rapid Traverse	m/min	X,Y,Z=30 (1,179 IPM)
Tool Shank	BT / CAT 50	
Magazine Capacity	pcs	24 Tools
ATC Type	Cam Driven Arm Type	
Spindle (Cont./30min.)	kw(HP)	15/18.5 (20/25)
Machine Height	mm	3,500 (137.79")
Floor Space	mm	4,110 x 3,530 (161.81"x138.98")
Machine Weight	kgs	12,000 (26,400 lbs)
Control	FANUC 18iMB	

A-6/A-10

Ball-Rail/Roller-Rail (Option) Linear Guide Ways for X/Y/Z Axes

Three Screw Type Chip Augers Design for A-10
Taiwan Made Ball-Rail Linear Guide Ways
Japan Made/Taiwan Made Roller-Rail Linear Guide Ways
X/Y/Z Axes AC Servo Motor 1.6/3/4kw for A-6
X/Y/Z Axes AC Servo Motor 3/3/7kw for A-10

Vertical Machining Center



MODEL	Unit	A-6	A-10
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	610 (24.02")	1,020 (40.16")
Y Axis	mm	420 (16.54")	560 (22.05")
Z Axis	mm	460 (18.11")	510 (20.08")
Distance from Spindle Nose to Table	mm	150-610 (5.91"-24.02")	150~660 (5.91"-25.98")
Rapid Traverse	m/min	36/36/36 (1416/1416/1416 IPM)	32/32/32 (1,258/1,258/1,258 IPM)
Cutting Feedrate	mm/min	1-10,000 (393IPM)	

Tool Shank	BT - 40/CAT-40		
Magazine Capacity	pcs	24 Tool/(opt. 16 Tool)	
ATC Type	Arm Type/ (opt. Armless Type)		
Spindle (Cont./30min.)	kw(HP)	5.5/7.5kw (7.5/10)	7.5/11kw (10/15)
Machine Height	mm	2390 (94.09")	2980 (117.32")
Floor Space	mm	3,240 x 2,200 (127.56" x 86.61")	4,200 x 2,330 (165.35" x 91.73")
Machine Weight	kgs	4,000 (8,800 lbs)	7,000 (15,400 lbs)
Control	0iMD/18iMB		



AM-1000 Roller-Rail Linear Guide Ways for X/Y/Z Axes

Swiss Made Schneberger Roller-Rail Linear Guide
X/Y/Z Axes AC Servo Motor 3/3/7kw
Three Screw Type Chip Augers Design

Vertical Machining Center

MODEL	Unit	AM-1000
Spindle Speed	r.p.m	12,000/15,000 DDS
Table Size	mm	1,200 x 600 (47.24"x23.62")
Max. Table Load	kgs	800 (1,760 lbs)
X Axis	mm	1,000 (39.37")
Y Axis	mm	600 (23.63")
Z Axis	mm	600 (23.63")
Distance from Spindle Nose to Table	mm	130~730 (5.12"~28.74")
Cutting Feedrate	mm/min	X / Y / Z : 1~10,000 (393 ipm)

Rapid Traverse	m/min	X,Y,Z : 24 (944 IPM)
Tool Shank		BT - 40
Magazine Capacity	pcs	24
ATC Type		Arm Type
Spindle (Cont./30min.)	kw(HP)	5.5/7.5kw (7.5/10HP)
Machine Height	mm	3,043 (119.8")
Floor Space	mm	3,000 x 2,515 (118.11" x 99.01")
Machine Weight	kgs	7,000 (15,400 lbs)
Control		FANUC 18iMB



HPA-95S Box Ways for X/Y/Z axes

Three Axes Ballscrew Coolant Equipment
X/Y/Z Axes AC Servo Motor 4/4/7 kw
In Front Chip Conveyor
With option Software program

Ultra-High-Speed Vertical Machining Center

Rapidest cutting feedrate 20,000 mm/min among Taiwanese machine

MODEL	Unit	HPA-95S
Spindle Speed	r.p.m	10,000DDS
Table Size	mm	1050 x 580 (41.34" x 22.83")
Table Load Capacity	kgs	8,000 (1,760 lbs)
X Axis	mm	900 (35.43")
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 (X/Y/Z)	m/min	20/20/15 (787/787/590 IPM)

Cutting Feedrate	mm/min	1-20,000 (786 IPM)
Spindle Taper		BT / CAT 50
Magazine Capacity	pcs	24 Tool/(OPT. 16 Tool)
Spindle Motor (CONT./30 MIN.)	kw(HP)	7.5/11/15 (10/15/20)
Machine Height	mm	2640 (103.94")
Floor Space	mm	4,000 x 2,720 (157.48" x 107.09")
Machine Weight	kgs	6,700 (14,740lbs)
Control		FANUC 0iMD/18iMB



HPA-6 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
With option Software program

Ultra-High-Speed Vertical Machining Center

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

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

Cutting Feedrate	mm/min	1-30,000 (1179 IPM)
Spindle Taper		BT / CAT 50
Magazine Capacity	pcs	24 Tool/(OPT. 16 Tool)
Spindle Motor (CONT./30 MIN.)	kw(HP)	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")
Machine Weight	kgs	4,000 (8,800 lbs)
Control		FANUC 0iMD/18iMB



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 4/7/7kw
In Front Chip Conveyor and Twin Screw Type Chip Augers Design
With option Software program

Ultra-High-Speed Vertical Machining Center

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

MODEL	Unit	HPA-10
Spindle Speed	r.p.m	10,000/15,000 DDS
Table Size	mm	1,100 x 560
Max. Table Load	kgs	1,000
X Axis	mm	1,020
Y Axis	mm	560
Z Axis	mm	510
Distance from Spindle Nose to Table	mm	150~660
Rapid Traverse	m/min	X,Y,Z: 32/32/32

Cutting Feedrate	mm/min	X / Y / Z : 1~30,000 (1179 ipm)
Tool Shank		BT-40
Magazine Capacity	pcs	24
ATC Type		Arm Type
Spindle (Cont./30 min./10 min)	kw(HP)	7.5/11/15 (10/15/20)
Machine Height	mm	2,980
Machine Space	mm	4,200x2,350
Machine Weight	kgs	7,000
Control		FANUC 0iMD/18iMB

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")	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	10110X6960
Machine Weight	kgs	26,000 (57,200lbs)	31,000 (68,200lbs)	35,000 (77,000lbs)
Control	Fanuc 0iMD/18iMB			

* **BDO-2217-8228** For More Detail Please View Our Website
<http://www.agma.com.tw>

BDN-2217/3223/4223

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

Japan Made Roller-Rail Linear Guide
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	BDN-2217	BDN-3223	BDN-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)	12,000 (26,400lbs)
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")	2,100 (82.7")
Z Axis	mm	1,000(39.4")/(Opt.1,200(47.2"))		
Distance From Spindle Nose To Table Surface	mm	100-1,100(3.9"-43.3")/ (Opt.100-1,300(3.9"-51.2"))		
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	4,900 (193")		
Floor Space	mm	6530X6200	8530X6960	10110X6960
Machine Weight	kgs	37,000 (81,400lbs)	43,000 (94,600lbs)	45,000 (99,000lbs)
Control	Fanuc 0iMD/18iMB			

* **BDN-2217-8228** For More Detail Please View Our Website
<http://www.agma.com.tw>



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