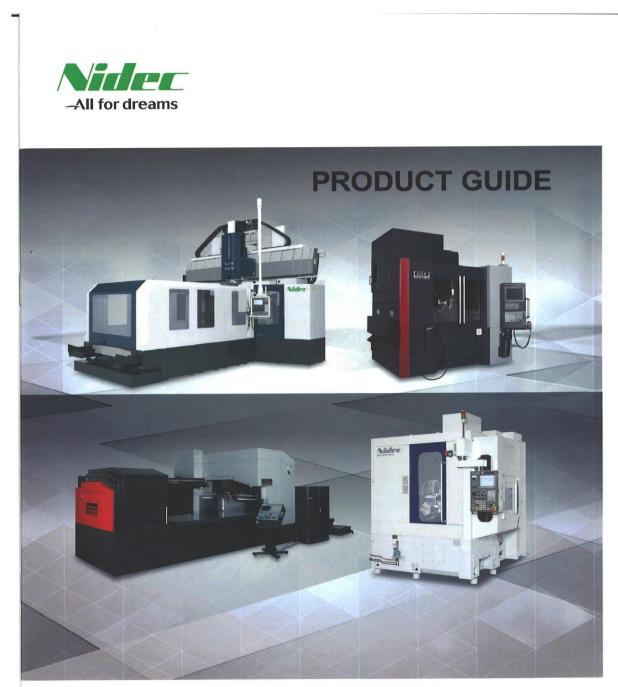
Nidec & OKK PRODUCT



NIDEC MACHINE TOOL CORPORATION



www.nidec.com/en/nidec-machinetool/



Machine model	Axis travel (X×Y×Z)(mm)	Table work surface area (mm)	Spindle speed (min ⁻¹)	Spindle taper	Magazine capacity (tools)	Floor space (W×D×H)(mm)
VB53a	1050×530×510	1260×600	100~20000	BT40 Dual-contact	30	2885×3050×2910

VERTICAL	MACHINING	CENTER	

Floor space (W×D×H)(mm)	Magazine capacity (tools)	Spindle taper	Spindle speed (min ⁻¹)	Table work surface area (mm)	Axis travel (X×Y×Z)(mm)	Machine model
2016×2690×2864	20	BT40	100~12000	900×410	600×410×460	VP400
2516×3100×2984	20	BT40	100~12000	1300×610	1120×610×460	VP600
5800×4067×2800	40	BT40	100~12000	1600×1300	1600×1300×460	VP1200
9440×4864×2900	40	BT40	100~12000	3000×1300	3050×1300×460	VP1200-30L
7450×4622×2800 ³	40	BT40	100~12000	2200×1800	2200×1800×460	VP1800
9040×5237×2900 3	40	BT40	100~12000	3000×2200	3050×2200×460	VP2200
10997×6203×3415	40	BT40	100~12000	3600×2750	3500×3100×560	VP3100





HYPER MACHINING CENTER VPSERIES



Machine model	Axis travel (X×Y×Z)(mm)	Table work surface area (mm)	Spindle speed (min ⁻¹)	Spindle taper	Magazine capacity (tools)	Floor space (W×D×H)(mm)
VM43RII		0002/100	25~8000	BT40 Dual-contact	20	1980×2710×2623
	630×430×460	800×420	800×420 25~8000 BT50 20		20	2090×2710×2713
1000		10502500	25~8000	BT40 Dual-contact	30	2825×2985×2752
VM53RII	1050×530×510	×510 1050×560 25~8000 BT50 30	1050/500	05- 8000 BT50	30	2825×2985×2815
		15501/700	100~14000	BT40 Dual-contact	30	3980×3700× 3130 (MITSUBISH) 3300 (FANUC)
VM76RII	1540×760×660	1550×760	25~8000	BT50 Dual-contact	- 30	3980×3700×3185(MITSUBISHI) 3300 (FANUC)
VM660R	1300×660×660	1400×660	25~4500	BT50	30	3870×3655×3215
VM940R	2060×940×820	2300×940	25~4500	BT50	40	5600×5220×3810 (MITSUBISH 3920 (FANUC)

VERTICAL MACHINING CENTER M/R SERIES



General Purpose Machines

Double column type, 5-face Milling Machines MVR-Cx series



Item		Model	MVR25Cx	MVR30Cx			
	Width (mm in)		1,500 59.1	2,000 78.7			
Table	Working area	Length (mmin)	3,000 118.1 (opt.4,000 157.5)	4,000 157.5 (opt.5,000 196.9)			
	Loading capac	city (ton ib)	15 33,000	20 44,000			
Throat cle	earance between	columns (mm in)	2,050 80.7	2,550 100.4			
Distance fr	rom spindle end to ta	ble surface (mm in)	1,650 65.0				
24 15	Ram Size	(mm in)	350 13,8				
	Diamater of Vertica	al spindle tip (mm in)	φ 220 φ8.6				
Spindle	Spindle speed	(min ⁻¹)	20 ~ 4,000 (opt.20 ~ 6,000)				
	Spindle motor	output (kWHP)	22/30 30/40 : Cont. Low/High				
Tool storage capacity (ATC)			50 (opt.80)				
Machine	e weight (kg/Wo	orking area mm in)	34,670/3,000 76,700/118.1	41,690/4,000 92,000/157.5			

MVR-Hx series



Item			Model	MVR25Hx	MVR30Hx	MVR35Hx	MVR40Hx	MVR45Hx	
	S. WHITE S.	Width	(mm in)	1,500 59.1	2,000 78.7	2,500 98.4	3000 118.1	3,500 137.8	
Table	Working area	Length	(mm in)	3,000 118.1 ~ 8,000 315.0 (Opt.)	3,000 118.1 ~ 10,000 393.7 (Opt.)	4,000 157,5 ~ 10,000 393,7 (Opt.)		6,000 236.2 ~ 10,000 393.7 (Opt.)	
	Loading capacity (ton/m lb/in)			12/3.0 25,499/118.1 ~ 20/8.0 44,000/315.0 (Opt.)	20/3.0.44,003/118.1 ~ 30/10.0 65,100/383.7 (Opt.)	25/4.0 55,100/157.5 ~ 30/10.0 66,100/393.7 (Opt.)		35/6.0 77, 100/236.2 ~ 25/10.0 55, 100/393.7 (Opt.)	
Throat clearance between columns (mm in)				2,050 80.7	2,550 100.4	3,250 128.0	3,750 147.6	4,250 167.3	
Distance	from spindle end to ta	ble surface	(mm in)	1,650 65.0 (opt. 2,010 79.1) 1,850 72.8 (opt. 2,150 84.6)			2,150 84.6		
Sec. 1	Size		(mm in)	350 13.8					
Ram	Spindle spee	d	(min ⁻¹)	20 ~ 8,000 (opt. 17~6,000, 11 ~ 4,000, 40 ~ 12,000)					
Spindle motor output (kW HP)				Cont. 22/30 30/40:Low/High (opt. 18.5/26 24/35:Low/High, 22/30 30/40:Cont./30min, 22/30 30/40:Cont./30min)					
Tool storage capacity (ATC)					60 (op	ot. 80, 100, 120.	, 180)		
Machine weight (kg/Working area mm in)				35,890/3,000 79,100/118.1	39,390/3,000 86,800/118.1	59,340/4,000 130,800/157.5	67,340,4,000 148,400/157.5	104,740/6,000 230,800/236.2	

MVR·Fx series: Large Precision Machine



Item			Model	MVR30Fx	MVR35Fx		
	State State	Width		2,000 78.7	2,500 98.4		
Table	Working area Length (mm in)		(mm in)	3,000 118.1 (opt. 4,000 157.5, 5,000 196.9)	4,000 157.5 (opt. 5,000 196.9)		
	Loading capacity (ton lb)			20 44,000	25 55,100 (opt. 30 66,200)		
Throat c	earance between	columns	(mm in)	2,550 100.4	3,050 120.1		
Distance f	rom spindle end to tab	le surface	(mm in)	1,650 65.0 (0	opt. 2,000 78.7)		
	Size		(mm in)	420 16.5 sq. 20,000			
Ram	Spindle spee	d	(min ⁻¹)				
Spindle motor output (kw HP)		(kW HP)	22/18.5 30/25 (Cont./30 min)				
Tool st	torage capacit	y (ATC)	40 (opt. 60	0, 80, 100)		
Machine weight (kg/Working area mm in)				55,400 122,200/3,000 118.1	64,300 141,800/4,000 157.5		

MVR·Dx series: High efficiency Large Machine



MVR33/39Dx

Item		in a lot	Model	MVR28/34Dx	MVR33/39Dx	MVR38/44Dx	MVR43/49Dx	MVR48/54Dx	
	a la set de la	Width	(mm in)	2,000 78.7	2,500 98.4	3,000 118,1	3,500 137.8	4,000 157.5	
Table	Working area	Length	(mm in)	4,000 157.5 (opt. 5,000 196.8, 6,000 236.2, 8,000 315.0)		5,000 196.9 (opt. 6,000 236.2, 8,000 315.0)			
	Loading capacity (ton/m lb/n)			25/4.0 98.4/157.5 (pt. 3050 66, 200136.9, 366.0 78400/262, 488.0 196, 900015.0)		35/5.0 77,100/196.9 (opt. 42/6.0 92,600/236.2,56/8.0 123,500/315.0			
Throat c	learance between	columns	(mm in)	2,850 112.2	3,350 131.9	3,850 151.6	4,350 171.3	4,850 190.9	
				2,050	80.7	3,050 110.2			
Distance	from spindle end to tal	ble surface	(mm in)	(opt. 2,550 100	.4, 3,050 120.1)	(opt. 2,050 80.7, 2,550 101.4)	(opt. 3,550 140	0, 4,050 159.4)	
				(opt. 3,550 140	.0, 4,050 159.4)	(opt. 3,550 14060, 4,050 158.4)	-	-	
	Size		(mm in)	400 15.7 sq.					
Ram	Spindle spee	dle speed (min*1)		7~4,000					
	Spindle motor output (kW HP)			37/45 50/60 (opt. 45/55 60/70 Cont./30 min)					
Tool s	torage capacil	y (ATC)	60 (opt. 80, 100, 120, 160, 200, 240)					
Machin	e weight (kg/We	orking are	a mm n)	107 0004 000 235 900 157.5	110,000/4,000 242,600/157.5	118.0005.000 263.200/195.9	121,0005,000266,600196.9	135,400/5,000 300,800/236,2	