

MILLAC-V Series



TRAVELS	ITEM		UNIT	MILLAC-44V		MILLAC 44V (2P-APC)		MILLAC 561V			MILLAC 761V		MILLAC 852V		MILLAC 852VII		MILLAC 1052V				
	X axis (saddle left/right)		mm (in.)	560 (22.05)				1050 (41.34)			1,540 (60.63)		2,050 [3,050] (80.71 [120])								
	Y axis (pallet front/back)		mm (in.)	410 (16.14)				560 (22.05)			760 (29.92)		850 933.460		850 933.460		1,060 (41.73)				
	Z axis (spindle up/down)		mm (in.)	410 (16.14)				520 (20.47)			660 (25.98)		750 (29.53)		750 (29.53)		800 (31.5)				
	Table top to spindle nose		mm (in.)	150 ~ 560 (5.91 ~ 22.05)		200 ~ 610 (7.87 ~ 24.02)		170 ~ 690 (6.69 ~ 27.17)			200 ~ 860 (7.87 ~ 33.85)		200 ~ 950 [160 ~ 910] (7.87 ~ 37.4 [6.3 ~ 35.8])		200 ~ 950 [160 ~ 910] (7.87 ~ 37.4 [6.3 ~ 35.8])		200 ~ 1,000 [160 -960] (7.87 ~ 39.37 [6.29 ~ 37.8])				
	Column to spindle center		mm (in.)	450 (17.72)				590 (23.23)			80 (31.5)		900 (35.43)		900 (35.43)		1,100 (43.3)				
TABLE	Work surface		mm (in.)	630 x 400 (24.80 x 15.75)		(Pallet) 400 x 400 (15.75 x 15.75)		1,350 x 560 (54.06 x 22.05)			1,800 x 720		2,200 x 850 [3,200 ~ 850]		2,200 <3,200> × 850 (86.61 <125.98> × 33.46)		2,200 x 1,050 [3,200 x 1,050]				
	Floor to table top		mm (in.)	850 (33.46)		(Pallet top) 1,000 (39.37)		950 (37.40)			930 (36.61)		960 [1,000] (37.8 [39.37])		1,060 <1,100> (41.73 <43.31>)		960 [1,000] (37.8 [39.37])				
	Max load capacity		kg (lb)	250 (550)		200 (440)		1,000 (2,200)			2,000 (4,400)		2,500 [3,800] (5,500 [8,360])		2,500 <3,800> (5,500 <8,360>)		5,000 (11,000)				
SPINDLE	Spindle speed		min ⁻¹	120 ~ 12,000				Std. 30 ~ 6,000		Opt. 60 ~ 10,000		Opt. 60 ~ 12,000		20 ~ 4,000 [30 ~ 6,000, 10,000] [12,000; No. 40]		20 ~ 4,000 [30 ~ 6,000, 10,000] [12,000; No. 40]		20~4,000 [30~6,000, 50~12,000, 50~15,000]		20 ~ 4,000 [30 ~ 6,000, 10,000] [12,000; No. 40]	
	Speed ranges		mm (in.)	Infinitely variable (integral motor/spindle)				2-Step		Infintely variable (integral motor/spindle)				2 auto ranges [infinitely variable; integral motor]							
	Tapered bore		min ⁻¹	No. 40				No. 50		No. 40				7/24 taper No. 50 [7/24 taper No. 40]							
	Bearing dia			ø60 (2.36)				ø100 (3.94)		ø70 (2.76)				ø100 (3.94)							
FEEDRATE	Rapid traverse (X-Y-Z)		m/min (fpm)	X- Y-Z: 50 [30] (1,969 [1,181])				X: 32 (1,260) Y: 24 (945) Z: 24 (945)				X, Y, Z: 16, [X, Y : 12, Z: 16]									
	Cutting federate (X-Y-Z)		m/min (fpm)	X-Y-Z: 1 ~ 20,000 (0.04 ~ 787)				1 ~ 15,000 (1 ~ 591)				OSP: 0.1 ~ 10,000, FANUC: 2.5 ~ 5,000									
	Manual jog feed		mm/min	-				OSP: 1 ~ 10,000 FANUC: 25 ~ 12,000				OSP: 10 ~ 10,000, FANUC: 2.5 ~ 5,000									
MOTORS	Spindle		kW (hp)	15/11 (20/15) (short time/continuous)				VAC 15/11 (20/15) (30 min/cont)		VAC 22/18.5 (30/25 (15 min/cont)		VAC: 18.5/15 (25/20) (30 min/cont)				VAC 18.5/15 (25/20) (30 min/cont)		VAC 22/18/5 (30/25) (30 min/cont)			
	Feed axes (OSP) (FANUC)		kW (hp)	X: BL 2.2 (3) Y: BL 3.0 (4) Z: BL 4.5 (6) X: AC 2.5 (3) Y: AC 2.7 (4) Z: AC 4.5 (6)				X-, Y-axes BL 3.5 (4.7) Z-axis BL 4.6 (6.1) (w/brake) X-, Y-axes AC 4 (5.3) Z-axis AC 7 (9.3) (w/brake)				OSP: X, Y AC3.5(4.7), Z AC4.6(6.1) FANUC: X, Y AC4(5.3), Z AC7(9.3))		OSP: X,Y AC3.5(4.6)[4.7(6.1)], Z AC4.5(6.1) FANUC: X, Y AC4[7](5.3[9.3]), Z AC7(9.3)		OSP:VAC26/18.5 (35/25) (10 min/cont) FANUC:VAC22/18.5 (30/25) (15 min/cont)		OSP: X, Y AC4.6(5.2)[6.1(6.9)], Z AC4.6(6.1) FANUC: X, Y AC7[6](9.3[8], Z AC6(8)			
ATC	Tool shank type			MAS-403-BT40				MAS 403-BT50		MAS 403-BT40		MAS 403-BT50 [MAS 403-BT40]									
	Pull stud			MAS-407-P40T				MAS 407-P50T-II		MAS 407-P40T-I		MAS 407-P50T-II [MAS 407 P40T-I]									
	Tool capacity		tools	16 [24]				20 [Opt 30,40]		20 [Opt. 40]		36 [54]									
	Max tool dia (w/ adjacent tool)		mm (in.)	ø90 (3.54)				ø120 (4.72)		ø90 (3.54)		ø120 (ø4.72)									
	Max tool dia (w/o adjacent tool)		mm (in.)	ø115 (4.53)				ø150 (5.91)		ø115 (4.52)		ø200 (ø7.87)									
	Max tool length		mm (in.)	250 (9.84)				350 (13.78)		300 (11.81)		400 (15.75)									
	Max tool weight		kg (lb)	5 (11)				20 (44)		8 (18)		20 (44)									
	Tool selection			Memory random																	
APC	No. of pallets			-	2		-	-	-	-											
	APC time		sec	-	5		-	-	-	-											
	Serve-motor for APC rotation (OSP) (FANUC)		kW (hp)	-	1.7 (2.3) 1.0 (1.3)		- -	- -	- -	-											
SIZE	Height		mm (in.)	2,400		2,600 (102.36)		2,755 (108)		2,930 (115)		2,825 (111)		3,100 (122.05)		3,320 (130.71)		3,350 (131.89) [3,320 (130.71)]		3,514 (138.35)	
	Floor space (W x D) (OSP) (FANUC)		mm (in.)	1,600 x 3,440 (63 x 135)		1,600 x 3,600 (63 x 142)		2,650 x 3,285 (104 x 129) [3,250 x 3,400 (128 x 134)]		2,650 x 3,285 (104 x 129)		4,300 x 4,060 -		5,460 x 4,445 [7,460 x 4,445] -		5,460 × 4,445 <7,460 × 4,445> (214.96 × 175 <293.70 × 175>)		5,460 x 5,010 [7,460 x 5,010] -			
	Weight		kg (lb)	4,5000 (9,900)		5,000 (11,000)		7,000 (15,400)		7,000 (15,400)		12,500 (27,500)		15,000 [18,500] (33,000[40,700])		15,000 <18,500> (33,000 <40,700>)		23,000 [27,000] (50,600[59,400])			