

	Model		Unit	MILLAC 44V II	MILLAC 44V II (2APC)
Travels	X-axis (table L/R)		mm (in)	560 (22.05)	
	Y-axis (table F/B)		mm (in)	410 (16.14)	
	Z-axis (spindlehead vertical)		mm (in)	410 (16.14)	
	Table top to spindle nose		mm (in)	150 to 560 (5.91 to 22.05)	200 to 610 (7.87 to 24.02)
Table	Column to spindle center		mm (in)	450 (17.72)	
	Work surface		mm (in)	630 × 400 (24.80 × 15.75)	(Pallet) 400 × 400 (15.75 × 15.75)
	Floor to table top		mm (in)	850 (33.46)	(Pallet top) 1,000 (39.37)
	Max load capacity		kg (lb)	250 (9.84)	200 (7.87)
Spindle	Spindle speed		min <sup>-1</sup>	120 to 12,000 [20,000] <sup>*1</sup>	
	Speed ranges			Stepless	
	Taper bore			7/24 taper No. 40	
	Bearing dia		mm (in)	ø60 (2.36)	
Feedrates	Rapid traverse		m/min (fpm)	X-Y-Z: 50 [30] (164.05 [98.43]) <sup>*2</sup>	
	Cutting feedrate		mm/min (ipm)	X-Y-Z: 20,000 (787)	
Motors	Spindle		kW (hp)	15/11 (20/15) (25% ED/cont)	
		OSP	kW (hp)	30/22 (10 min/cont)	
		FANUC	kW (hp)	18.5/11 (15% ED/cont)	
	Feed axes	OSP	kW (hp)	X: BL 2.2 (3), Y: BL 3.0 (4), Z: BL 5.5 (7.5)	
		FANUC	kW (hp)	X: AC 2.5 (3), Y: AC 2.7 (4), Z: AC 4.5 (6)	
ATC	Tool shank			MAS BT40	
	Pull stud			MAS 2	
	Tool capacity		tools	16 [24]	
	Max tool (w/adjacent / w/o adjacent)		mm (in)	ø90/ø115 (ø3.54/ø4.53)	
	Max tool length		mm (in)	250 (9.84)	
	Max tool weight / moment		kg/N-m	5/4.9 (11 lb/3.6 ft-lbf)	
	Tool selection			Memory random	
APC	No. of pallets			—	2
	APC time		sec	—	5
	Servomotor for APC rotation	OSP	kW (hp)	—	1.7 (2.3)
		FANUC	kW (hp)	—	1.2 (1.6)
Machine size	Height		mm (in)	2,400 [2,620] <sup>*1</sup> (94.49 [103.15] <sup>*1</sup> )	2,600 [2,820] <sup>*1</sup> (102.36 [111.02] <sup>*1</sup> )
	Floor space length × width	OSP	mm (in)	1,600 × 3,440 (62.99 × 135.43)	1,600 × 3,550 (62.99 × 139.76)
		FANUC	mm (in)	1,600 × 3,320 (62.99 × 130.71)	1,600 × 3,550 (62.99 × 139.76)
	Weight		kg (lb)	4,500 (9,900)	5,000 (11,000)
Control	OSP-P300MA, FANUC 0i-MF [FANUC 31i-B] <sup>*2</sup>				

[ ] : Optional \*1: 20,000 min<sup>-1</sup> spindle \*2: Die/mold specs