

	Item	Unit	MILLAC 800VH	MILLAC 1000VH
Travel	X axis	mm (in.)	Column horizontal: 1,020 (40.16)	Column horizontal: 1,850 (72.83)
	Y axis	mm (in.)	Pallet front/back: 1,020 (40.16)	Pallet front/back: 1,300 [1,600] (51.18 [62.99])
	Z axis	mm (in.)	Spindlehead vertical: 1,020 (40.16)	Spindlehead vertical: 1,000 (39.37)
	Spindle nose to pallet top (vertical)	mm (in.)	-100 to 920 (-3.94 to 36.22)	-100 to 900 (-3.94 to 35.43)
	Spindle center to pallet center (vertical)	mm (in.)	-50 to 970 (-1.97 to 38.19)	-580 to 1,270 (-22.83 to 50)
	Spindle center to pallet top (horizontal)	mm (in.)	150 to 1,170 (5.91 to 46.06)	150 to 1,150 (5.91 to 45.28)
	Spindle nose to pallet center (horizontal)	mm (in.)	-300 to 720 (-11.81 to 28.35)	-830 to 1,020 (-32.68 to 40.16)
Table	Max work dimension	mm (in.)	800 x 800 (31.49 x 31.49)	1,000 x 1,000 (39.37 x 39.37)
	Max load capacity*	kg (lb)	1,000 (2,200)	2,000 (4,400)
	Indexing angle (curvic coupling orientation)	deg	5	
	Indexing angle (any NC orientation)	deg	0.001	
	Floor to pallet top	mm (in.)	1,230 (48.43)	1,290 (50.79)
Spindle	Spindle speed	min ⁻¹	100 to 10,000	20 to 6,000 [100 to 10,000]
	Spindle taper hole		No. 50	
	Indexing angle (curvic indexing)	deg	-	5
	Indexing angle (NC arbitrary indexing)	deg	0.001	
Axis feed	Rapid traverse	m/min (ipm)	X-Y-Z: 30 (1,181)	X-Y: 24 (949), Z: 12 (472)
	Rapid traverse	min ⁻¹	A-C: 3,600	B-C: 1,440
	Cutting feed	mm/min (ipm)	X-Y-Z: 1 to 12,000 (0.04 to 472)	X-Y-Z: 1 to 10,000 (0.04 to 394)
	Cutting feed	deg/min	A-C: 1 to 2,400	B-C: 1 to 1,080
Motors	Spindle	kW (hp)	22/18.5 (30/25) (15 min/cont)	22/18.5 (30/25) (30 min/cont) [22/18.5 (30/25) (15 min/cont)]
	Feed axes (X/Y & Z)	kW (hp)	{OSP} X: 5.6 (7.5), Y: 3.5 (4.7), Z: 5.6 (7.5) {FANUC} X-Y: 7.0 (9.3), Z: 6.0 (8)	{OSP} X-Y-Z: 4.6 (6.1) {FANUC} X-Y: 7.0 (9.3), Z: 6.0 (8)
ATC	Tool shank		MAS 403 BT50	
	Pull stud		MAS 2	
	Tool capacity	tool	80 [120]	40 [60, 80, 120]
	Max tool dia (w/adjacent tool)	mm (in.)	ø125 (4.92)	ø120 (4.72)
	Max tool dia (w/o adjacent tool)	mm (in.)	ø200 (7.87)	ø200 [ø240] (7.87 [9.45])
	Max tool length/weight	mm/kg	400/20	400 [500] / 20 [25]
	Max tool moment	N-m (ft-lbf)	14.7 (10.84)	19.6 [44.1] (14.45 [32.52])
	Tool selection		Fixed address	
Size	Machine height	mm (in.)	{OSP:} 3,650 (143.70)	{OSP:} 4,455 (175.39)
	Floor space Width x depth	mm (in.)	{OSP:} 4,800 x 6,400 (188.98 x 251.97)	{OSP:} 5,228 x 7,052 (205.83 x 277.64)
	Weight	kg (lb)	22,000 (48,400)	24,000 (52,900)
Controller			OSP-P300MA, FANUC 31i-B5	

* APC swivel time uses difference of less than 1,000 kg in loading mass on pallets A and B.

[]: Optional specification