

VTL Series



			1-SP-V					2SP-V		
CAPACITY	ITEM	UNIT	V40R	V60R	V760EX	V80R	V100R	2SP-V40	2SP-V60	2SP-V80
	Max turning diameter	mm (in.)	ø400 (15.75)	ø610 (24.02)	ø760 (29.92)	ø800 (31.50)	ø1,000 (39.37)	ø400 (15.75)	ø610 (24.02)	ø800 (31.50)
	Max swing diameter	mm (in.)	ø500 (19.69)	ø700 (27.56)	ø800 (31.50)	ø1,000 (39.37)	ø1,250 (49.21)	ø500 (19.69)	ø700 (27.56)	ø1,000 (39.37)
	Max turning length	mm (in.)	450 (17.72)	660 (25.98)	770 (30.31)	840 (33.07)	890 (35.04)	450 (17.72)	660 (25.98)	840 (33.07)
	Max chuck size	mm (in.)	ø450 (17.72)	ø610 (24.02)		ø910 (35.83)	ø1,010 (39.76)	ø450 (17.72)	ø610 (24.02)	ø910 (35.83)
Max workspace weight ^{*1}		kg (lb)	300 (660)	500 (1,100)	500 (1,100) (with chuck)	800 (1,760)	1,200 (2,640)	300 (660)	500 (1,100)	800 (1,760)
TRAVELS	X axis	mm (in.)	265 (10.43)	370 (14.57)	390 (15.35)	465 (18.31)	565 (22.24)	265 (10.43)	370 (14.57)	465 (18.31)
	Z axis	mm (in.)	450 (17.72)	660 (25.98)	770 (30.31)	840 (33.07)	890 (35.04)	450 (17.72)	660 (25.98)	840 (33.07)
SPINDLE	Spindle speed	rpm	25 ~ 2,500	20 ~ 2,000	20 to 2,000	13 ~ 1,250	13 ~ 1,250	25 ~ 2,500	20 ~ 2,000	13 ~ 1,250
	Spindle speed range		Infinitely variable							
	Type of spindle nose		A ₂ -8	A ₂ -11			Flat ø380 (ø14.96)	A ₂ -8	A ₂ -11	
	Spindle front bearing dia	mm (in.)	ø120 (4.72)	ø160 (6.30)	ø160 (6.30)	ø200 (7.87)		ø120 (4.72)	ø160 (6.30)	ø200 (7.87)
	Spindle bore dia	mm (in.)	ø77 (3.03)	ø92 (3.62)	ø92 (3.62)	ø110 (4.33)		ø77 (3.03)	ø92 (3.62)	ø110 (4.33)
	Floor to spindle nose	mm (in.)	960 (37.80)	1,085 (42.72)	1,085 (42.72)	1,150 (45.28)	1,170 (46.06)	960 (37.80)	1,085 (42.72)	1,150 (45.28)
Spindle support			2- point roller bearing							
TURRET	Turret type		V12							
	OD tool shank dimensions	mm (in.)	□25 (1)		□25 [□32] (1, [1-1/4])		□32 (1-1/4)	□25 (1)		□32 (1-1/4)
	ID tool shank diameter	mm (in.)	ø40, ø50 (1.57, 1.97)		ø40 [ø50, ø63] (1.57 [1.97, 2.48])		ø50, ø63 (1.97, 2.48)		ø40, ø50 (1.57, 1.97)	
FEED AXIS	Cutting feedrate	X, Y, Z	X-Z: 0.001 to 300.000 (0.0001 to 12.0000)							
	Rapid traverse	X-axis	24 (945)							
		Z-axis	24 (945)							
MOTORS	Spindle drive	OSP	kW (hp)	VAC 30/22 (40/30) ^{*2}			AC 45/37 (60/50) ^{*3}	VAC 22/18.5 (30/25) ^{*2}	VAC 30/22 (40/30) ^{*2}	
		FANUC	kW (hp)	AC 22/18.5 (30/25) ^{*2}			AC 30/22 (40/30) ^{*2}	AC 45/37 (60/50) ^{*4}	AC 22/18.5 (30/25) ^{*3}	AC 30/22 (40/30) ^{*2}
SIZE	Height	mm (in.)	3,040 (119)	3,660 (144)	3,489 (137)	4,065 (160)	3,565 (140)	3,050 (119)	3,660 (144)	4,065 (160)
	Floor space	mm (in.)	1,705 x 2,400 (67 x 94)	2,000 x 2,720 (78 x 107)	1,842 x 3,115 (73 x 123)	2,300 x 2,755 (90 x 108)	2,735 x 3,445 (107 x 135)	2,970 x 2,350 (116 x 92)	3,680 x 2,850 (144 x 104)	4,500 x 2,755 (177 x 108)
	Weight (w/ CNC system)	kg (lb)	7,200 (15,840)	9,500 (20,900)	8,500 (18,700)	11,500 (25,300)	13,000 (28,600)	14,000 (30,800)	18,500 (40,700)	22,000 (48,400)
CNC			OSP-P300L, FANUC 31-A							

^{*1}: With Chuck ^{*2}: 30 min/con ^{*3}: 5 min/con ^{*4}: 10 min/ 15 min ^{*5}: 2SP-V with 2 sets