

VTR-A Series



ITEM		UNIT	VTR-160A	VTR-200A	VTR-280A	VTR-350A
CAPACITY	Max swing	mm (in.)	ø1,600 (62.99)	ø2,000 (78.74)	ø2,800 (110.24)	ø3,500 (137.79)
	Max turning length	mm (in.)	1,250 [1,600] (49.21 [62.99])		1,600 [2,000] (62.99 [78.74])	1,600 [2,000, 2,400]*1
	Table load	kg (lb)	10,000 (22,000)	12,000 (26,400)	15,000 (33,000)	20,000 (44,000)
	Machine bottom to table top (standard table)	mm (in.)	850 933.46)		1,000 (39.37)	1,160 (45.67)
	Table diameter	mm (in.)	ø1,250 (ø49.21)	ø1,600 (ø62.99)	ø2,300 (ø90.55)	ø3,000 (ø118.11)
	Ram size	mm x mm	250 x 250 (9.84 x 9.84)			
TRAVEL	X-axis travel*2 (width x length)	mm (in.)	1,130 (44.49) + 600 (23.62)	1,330 (44.49) + 600 (23.62)	1,730 (68.11) + 870 (34.25)	2,100 (82.68) + 690 (27.17)
	Z-axis travel (width x length)	mm (in.)	900 [1,250] (35.43 [49.21])		1,250 [1,500] (49.12 [59.06])	
	W-axis travel (width x No.)	mm (in.)	600 [800] (23.62 [31.49])		800 [1,000] (31.49 [39.37])	800 [1,000, 1,200]*3
	C-axis travel	mm (in.)	360 (minimum control angle: 0.001)			
	Table top to milling tool spindle nose distance	mm/min (ipm)	0 - 1,475 [0-1,825] (0-58.07 [0-71.85])	0 - 1,475 [00 1,825] (0-58.07 [0-71.85])	0 - 1,875 [25- 2,275] (0 - 73.82 [0-89.57])	0-1,825 [0- 2,225, 0-2,625] 0-71.85 [0-87.59, 0-103.35])
TURNING SPINDLE	Speed	min ⁻¹	1-400	1-300	1-200	1-160
	Speed ranges		2 speeds			
	Torque	N • m	17,100/14,000 [28,500/22,800]	22,800/18,800 [38,000/30,400]	31,800/26,100 [53,000/42,400]	42,500/34,800 [58,000/46,400]
MILLING TOOL SPINDLE	Speed	min ⁻¹	30 - 3,000 [45 - 4,500]			
	Speed ranges		Infinitely variable			
	Torque (30 min/cont)	N • m (ft-lbf)	230/190 (169/140) (30 min/cont) [380/300/250 (279/221/184) (3 min/10 min/cont)]			
	Tool shank		BT50 [BIG-PLUS]			
TOOLS	Turning tool	mm	□32			
	Magazine capacity	tool	23 [35, 59, 89] (0.91 [1.38, 2.32, 3.50]) + 1 protective ring			
FEED AXIS	Cutting feedrate	mm (in.)	0.001 - 1,000.000			
	Rapix traverse (X & Z)	m/min (ipm)	20 (65.62)			
	Rapid traverse (C)	min ⁻¹	5	4	3	2
	Max cutting force	N (kgf • m)	30,000 (3,061)			
MOTORS	Turning spindle drive (30 min/cont)	kW (hp)	45/37 [75/60]			55/45 [75/60]
	Milling tool	kW (hp)	18.5/15 (25/20) (30 min/cont) [30/24/20 (40/32/27) (3 min/ 10 min/cont)]			
SIZE	Height	mm (in.)	5,000 [5,880] (196.85 [231.49])		6,050 [6,450] (238.19 [25.59])	6,100 [6,500, 7,275]*4
	Floor space (machine only)	mm (in.)	6,550 x 3,396 (257 x 133)	7,150 x 3,531 (281 x 139)	7,920 x 4,767 (311 x 187)	8,615 x 5,374 (339 x 211)
	Net weight (machine only)	kg (lb)	22,000 (48,400)	29,000 (63,800)	36,000 (79,200)	43,000 (94,600)
CNC			OSP-P200L			

*1. 62.99 [78.74, 94.48]

*2. For machining + ATC

*3. 31.49 [39.37, 47.24]

*4. 240.16 [255.91, 286.42]

[]: Optional