

# MACHINE SPECIFICATIONS

Model / Descriptions		Unit	VT-500A	VT-500T	VT-500M	VT-500MT	VT-500G	VT-500H	VT-650A	VT-650T	VT-650M	VT-650MT	VT-650H	
Capacity	Max. swing diameter	mm(inch)	560 (22")		560 (22.0")		600 (23.6")	650 (25.6")	800 (31.4")		800 (31.4")		850 (33.4")	
	Max. turning diameter	mm(inch)	560 (22")		560 (22")		560 (22")	460 (18.1")	760 (29.9")		700 (27.5")		760 (29.9")	
	Max. turning height	mm(inch)	450 (17.7")		380 (14.9")		450 (17.7")	400 (15.7")	750 (29.5")		650 (25.5")		620 (24.4")	
Spindle	Hydraulic chuck	mm(inch)	305(12")				305(12")			457(18")				
	Range of table speed	rpm	25-2500				25-2500			25-2000				
	Front bearing diameter	mm	120				120			160				
	Nose of spindle		A2-8				A2-8			A2-11				
Tool turret	Type of turret	-	H12	H12+H12	H12 (BMT65)	H12+H12 (BMT65)	G5	V4/V6/V8	H12	H12+H12	H12 (BMT75)	H12+H12 (BMT75)	V4/V6/V8	
	Number of tool position	ea	12	12+12	12	12+12	5	4/6/8	12	12+12	12	12+12	4/6/8	
	Tool size	mm	□25, Ø40		□25, Ø40		□25, Ø40	□25, Ø50	□32, Ø50		□25, Ø50			
	Tool live spindle speed		3000				-			3000				
Feed	Rapid rate (X-Axis)	m/min	20				20			20				
	Rapid rate (Z-Axis)	m/min	20				20			20				
	Horizontal travel (X-Axis)	mm	310				-200+200	-10+310	385		50+550			
	Vertical travel (Z-Axis)	mm	460				550			760		700		
	Cutting feed rate	mm/min	1-5000				1-5000			1-5000				
	Feed override	%	0-150				0-150			0-150				
Control system			Fanuc Oi-T				Fanuc Oi-T			Fanuc Oi-T				
Motors	Spindle motor (Cont/30rrin)	kW	18.5/22				18.5/22			18.5/22				
	Feed motor (X/Z axis)	kW	3.0/7.0				3.0/7.0			4.0/7.0			4.0/4.0	
	Live tool motor		-		3.7/5.5		-			-		7.5/11		
Power requirement		kVA	40	75	45	85	40		40	75	45	85	40	
Machine size	Floor space (LxW)	mm(inch)	1700x3100 (66.9"x112.0")	3400x3100 (133.9"x112.0")	1700x3100 (66.9"x112.0")	3400x3100 (133.9"x112.0")	1700x3100 (66.9"x112.0")		1950x3410 (76.8"x134.3")	3900x3410 (153.5"x134.3")	1950x3410 (76.8"x134.3")	3900x3410 (153.5"x134.3")	1950x3410 (76.8"x134.3")	
	Max. Height	mm(inch)	2855 (112.4")	2855 (112.4")	2855 (112.4")		2970 (116.9")		3450 (135.8")		3450 (135.8")		3680 (144.9")	
	Net. Weight	kg(lb)	6500 (14330 lb)	13000 (28660 lb)	6600 (14550 lb)	13200 (29101 lb)	6500 (14330 lb)		11500 (25353 lb)	23000 (50706 lb)	11600 (25574 lb)	23200 (51147 lb)	11500 (25353 lb)	

\* The specifications are subject to change without notice

## Standard accessories

- Complete splash guard.
- Hydraulic 3-jaw chuck and rotary cylinder.
- Manual 4-jaw chuck.
- Hydraulic power unit.
- Soft jaws for hydraulic chuck.
- Automatic lubrication system.
- Heat exchanger for electrical cabinet.
- Safety glass for front door.
- Foot switch for hydraulic chuck.
- Working light.
- Warning light.(R/Y/G)
- Coolant through turret.
- Coolant system with coolant tank and bed wash down system.
- Hand tool sets with tool box.
- Leveling bolts & seat pads.
- Chip conveyor.(Hinge type)
- Chip trolley.
- Spindle orientation.
- Manual of operation & maintenance.
- Manual of electrical & hydraulic circuit diagram.
- Workpiece counter.(CNC controller)

## Optional accessories

- Hydraulic chuck and rotary cylinder.
- Manual chuck
- Spindle motor upgrade.
- Air conditioner for electrical cabinet.
- Auto door.(Automatic opening & closing of main door)
- Power transformer.
- Oli skimmer.(Disc type)
- Oil mist collector.
- Counter display for each inserts.
- Double cutting tools.
- Tool presetter.
- Dual speed gear box for spindle motor.
- High & low pressure chucking.
- Chuck position sensor.
- Tool holder.
- Hard jaw of chuck.
- High pressure coolant through turret.
- Chip conveyor.(scraper type)
- CNC controller 31i series.
- Manual guide i .
- Siemens controller
- CE certificate.
- Tooling.
- Jig & fixture.
- Turnkey project.
- Servo turret.
- X/Z axis encoder.

# MACHINE SPECIFICATIONS

Model / Descriptions	Unit	VT-800A	VT-800T	VT-800M	VT-800MT	VT-800H	VT-1000A	VT-1000T	VT-1000M	VT-1000MT	
Capacity	Max. swing diameter	mm(inch) 1000 (39.4")		1000 (39.4")		1000 (39.4")	1320 (52.0")		1320 (52.0")		
	Max. turning diameter	mm(inch) 860 (33.9")		800 (31.5")		860 (33.9")	1100 (43.3")		1100 (43.3")		
	Max. turning height	mm(inch) 810 (31.9")		700 (27.5")		800 (31.5")	920 (36.2")		900 (35.4")		
Spindle	Hydraulic chuck	mm(inch) 533(21")		533(21")		533(21")	1000 (40")/Manual 4-jaw chuck				
	Range of table speed	rpm 25-1500		25-1500		25-1500	5-850				
	Front bearing diameter	mm 200		200		200	200				
	Nose of spindle	A2-11 (Option A2-15)		A2-11 (Option A2-15)		A2-11 (Option A2-15)	ISO 702-4 No.15 (Ø380)				
Tool Turret	Type of turret	-	H12	H12+H12	H12(BMT75)	H12+H12 (BMT75)	V4/V6/V8	H12	H12+H12	H12(BMT-85)	H12+H12(BMT-85)
	Number of tool position	#	12	12+12	12	12+12	4/6/8	12	12+12	12	12+12
	Tool size	mm	□32, Ø50		□25, Ø50		□25, Ø50	□32, Ø50		□32, Ø50	
	Tool live spindle speed		-		3000		-	-		3000	
Feed	Rapid rate (X-Axis)	m/min	20		20		20	20			
	Rapid rate (Z-Axis)	m/min	20		20		20	20			
	Horizontal travel (X-Axis)	mm	470		50+500		625	1000			
	Vertical travel (Z-Axis)	mm	860		850		850	1000			
	Cutting feed rate	mm/min	1-5000		1-5000		1-5000	1-5000			
	Feed override	%	0-150		0-150		0-150	0-150			
<b>Control system</b>		Fanuc Oi-T				Fanuc Oi-T	Fanuc Oi-T				
Motors	Spindle motor (Cont./30min)	kW	18.5/22		18.5/22		18.5/22	37/45			
	Feed motor (X/Z axis)	kW	4.0/7.0		4.0/4.0		4.0/4.0	4.0/7.0			
	Live tool motor		-		7.5/11		-	7.5/11			
<b>Power requirement</b>		kVA	40	75	45	85	40	80	140	80	140
Machine Size	Floor space (LxW)	mm(inch)	2100x3500 (82.7"x137.8")	4200x3500 (165.4"x137.8")	2100x3500 (82.7"x137.8")	4200x3500 (165.4"x137.8")	1950x3500 (76.8"x137.8")	2700x4000 (106.2"x157.4")	5400x4000 (212.5"x157.4")	2700x4000 (106.2"x157.4")	5400x4000 (212.5"x157.4")
	Max. height	mm(inch)	3900 (153.5")		3900 (153.5")		4000 (157.5")	4050 (159.4")		4050 (159.4")	
	Net. Weight	kg(lb)	14500 (31967 lb)	29000 (63934 lb)	14600 (32188 lb)	29200 (64375 lb)	14600 (32188 lb)	21000 (46297 lb)	42000 (92400 lb)	21800 (48061 lb)	43600 (95920 lb)

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