Machine Specifications

VT Series Model		Unit	3000R	3000RM	4000R	4000RM	5000R	5000RM	6000R	6000RM
Capacity	Max. swing diameter	mm	3,600(141")		4,500(177")		6,000(236")		7,000(275")	
	Max. turning diameter	mm	3,600(141")		4,500(177")		6,000(236")		7,000(275")	
	Distance from ram to table	mm	880-2,380(34"-93")		880-2,380(34"-93")		1,200-3,000(47"-118")		1,200-3,000(47"-118")	
	Max. turning height	mm	2,000		2,000		2,600		2,600	
	Max. workpiece weight	kg	30,000		40,000		80,000		100,000	
Spindle	Table diameter	mm	3,000(118")		4,000(157")		5,000(196")		6,000(236")	
	Range of table speed	rpm	1-120		1-85		1-50		1-20	
	Gear box		2-step		2-step		2-step		2-step	
	Live tool spindle speed	rpm	-	50-2,250	-	50-2,250	-	50-2,250	-	50-2,250
ATC	ATC(Automatic Tool Changer)		16	20	16	20	16	24	16	24
	Tool size	mm	☐32,☐40		☐32,☐40		☐32,☐40		☐32,☐40	
	Cross-section of ram	mm	300x300		300x300		300x300		300x300	
Feed	Rapid rate **(X-Axis)**	m/min	10		10		10		10	
	Rapid rate **(Z-Axis)**	m/min	10		10		10		10	
	Horizontal travel**(X-Axis)**	mm	-300+2,000		-300+2,450		-100+3,500		-100+4,000	
	Vertical travel **(Z-Axis)**	mm	1,500		1,500		2,200		2,200	
	Cutting feed rate	mm/min	1-5,000		1-5,000		1-5,000		1-5,000	
	Feed override	%	0-150		0-150		0-150		0-150	
	Cross-rail travel	mm	1,500(250x6 step)		1,500(250x6 step)		1,800(250x6 step)		1,800(250x6 step)	
	Control System		Fanuc 0i-T		Fanuc 0i-T		Fanuc Oi-T		Fanuc 0i-T	
Motor	Spindle motor (Cont./30min)	kW	60/75	37/45*2	60/75	45/55*2	60/75	65/75*2	60/75	65/75*2
	Feed motor(X/Z axis)	kW	5.5	7.0	5.5	7.0	5.5		5.5	
	Live tool motor	kW	-	AC15/18.5	-	AC15/18.5	-	AC15/18.5	-	AC15/18.5
	Power requirement	kVA	120	210	130	230	140	250	150	270
Machine size	Floor space(LxW)	mm	9,800x7,300		12,400x7,700		13,000x9,000		14,000x9,500	
	Max. height(H)	mm	7,500	8,000	7,500	8,000	9,500	10,000	9,500	10,000
	Net weight	kg	96,800	98,300	132,000	133,500	139,000	140,000	169,000	170,000

※ **The specifications are subject to change without notice**

Standard accessories

1. Complete splash guard.
2. Hydraulic power unit.
3. Table with manual 8-jaw chuck.
4. Protection door.
5. Automatic lubrication system.
6. Working light.
7. Warning light (R/Y/G).
8. Workpiece counter (CNC controller).
9. Coolant system with tank.
10. Coolant bed wash down system.
11. Heat exchanger for electrical cabinet.
12. Hand tool sets with tool box.
13. Leveling bolts & seat pads.
14. Chip conveyor (Hinge type).
15. Chip trolley.
16. Spindle orientation.
17. Manual of operation & maintenance.
18. Manual of electrical & hydraulic circuit diagram.

Optional accessories

1. Hydraulic chuck & cylinder, size selections.
2. Higher power motor.
3. Air conditioner for electrical cabinet (Standard for CM series).
4. Power transformer (external).
5. Oil skimmer (Disk type).
6. Tool holder base.
7. Other tool holder & special tool holder.
8. Tool presetter.
9. Linear encoder of X/Z axis.
10. High & low pressure chucking.
11. Lubricant chiller for spindle bearing & gear.
12. Extend vertical travel (Z axis).
13. Hard jaw for hydraulic chuck.
14. High pressure coolant through tool holder.
15. Dual speed gear box for tool live spindle.
16. Chip conveyor (scraper type).
17. Manual guide *i*.
18. CE certificate.
19. Tooling.
20. Jig & fixture.
21. Turnkey project.
22. Siemens controller.

NOTE