

Machine Specifications

Model/Description		Unit	VL-300C	VL-300CM	VL-400C	VL-400CM	VL-500C	VL-500CM	VL-600C	VL-600CM
Capacity	Max. swing diameter	mm	3600(141")		4500(177")		6000(236")		7000(275")	
	Max. turning diameter	mm	3600(141")		4500(177")		6000(236")		7000(275")	
	Distance from ram to table	mm	880-2380(34"-93")		880-2380(34"-93")		1200-3000(47"-118")		1200-3000(47"-118")	
	Max. turning height	mm	2000		2000		2600		2600	
	Max. workpiece weight	kg	30000		40000		80000		100000	
Spindle	Table diameter	mm	3000(118")		4000(157")		5000(196")		6000(236")	
	Range of table speed	rpm	3-120		1-85		1-50		1-20	
	Gear box		2-step		2-step		2-step		2-step	
	Live tool spindle speed	rpm	-	50-2250	-	50-2250	-	50-2250	-	50-2250
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		400x400		400x400	
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+2000		-300+2450		-100+3000		-100+4000	
	Vertical travel (Z-Axis)	mm	1500		1500		2200		2200	
	Cutting feed rate	mm/min	2000		2000		2000		2000	
	Feed override	%	0-150		0-150		0-150		0-150	
	Cross-rail travel	mm	1500(250x6 step)		1500(250x6 step)		1800(300x6 step)		1800(300x6 step)	
Control System			Fanuc 0i-TD		Fanuc 0i-TD		Fanuc 0i-TD		Fanuc 0i-TD	
Motor	Spindle motor (Cont./30min)	kW	60/75	65/75*2	60/75	65/75*2	60/75	65/75*2	60/75	65/75*2
	Feed motor(X/Z axis)	kW	5.5/5.5		5.5/5.5		5.5/5.5		5.5/5.5	
	Live tool motor	kW	-	AC15/18.5	-	AC15/18.5	-	AC15/18.5	-	AC15/18.5
Power requirement			kVA							
Machine size	Floor space(LxW)	mm	8500x6500		10200x7000		12500x9000		13000x11000	
	Max. height(H)	mm	7400	8000	7400	8000	9000	10000	9000	10000
	Net weight	kg	99000	100000	114000	115000	139000	140000	169000	170000

※ The specifications are subject to change without notice

Standard accessories

- Complete splash guard.
- Hydraulic power unit.
- Table with manual 8-jaw chuck.
- Protection door.
- Automatic lubrication system.
- Working light.
- Warning light (R/Y/G).
- Workpiece counter (CNC controller).
- Coolant system with tank.
- Coolant bed wash down system.
- Heat exchanger for electrical cabinet.
- 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.

Optional accessories

- Hydraulic chuck & cylinder, size selections.
- Higher power motor.
- Air conditioner for electrical cabinet (Standard for CM series).
- Power transformer (external).
- Oil skimmer (Disk type).
- Tool holder base.
- Other tool holder & special tool holder.
- Tool presetter.
- Linear encoder of X/Z axis.
- High & low pressure chucking.
- Lubricant chiller for spindle bearing & gear.
- Extend vertical travel (Z axis).
- Hard jaw for hydraulic chuck.
- High pressure coolant through tool holder.
- Dual speed gear box for tool live spindle.
- Chip conveyor (scraper type).
- Manual guide *i*.
- CE certificate.
- Tooling.
- Jig & fixture.
- Turnkey project.
- Siemens controller.