

Machine Specifications

Model/Description		Unit	VL-125C	VL-125CM	VL-160C	VL-160CM	VL-200C	VL-200CM	VL-250C	VL-250CM
Capacity	Max. swing diameter	mm	1600 (63")		2000 (78")		2500 (98")		3000 (118")	
	Max. turning diameter	mm	1600 (63")		2000 (78")		2500 (98")		2970 (116")	
	Distance from tool holder base to table	mm	650-1450 (25"-57")	635-1435 (25"-56")	650-1450 (25"-57")	635-1435 (25"-56")	785-1785(31"-70")		785-1785(31"-70")	
	Max. turning height	mm	1200 (47")	1170 (46")	1200 (47")	1170 (46")	1600 (63")		1600 (63")	
	Max. workpiece weight	kg	5000		8000		12000		15000	
Spindle	Table diameter	mm	1250 (49")		1600 (63")		2000 (78")		2500 (98")	
	Range of table speed	rpm	3-300		3-250		5-200		5-160	
	Gear box		2-step		2-step		2-step		2-step	
	Live tool spindle speed	rpm	-	50-2250	-	50-2250	-	50-2250	-	50-2250
	ATC(Automatic Tool Changer)		12	16	12	16	12	16	12	16
ATC	Tool size	mm	□25, □32		□25, □32, □40		□25, □32, □40		□25, □32, □40	
	Cross-section of ram	mm	□220 (□250)		□220 (□250)		□250 (□300)		□250 (□300)	
Feed	Rapid rate (X-Axis)	m/min	10 (393")		10 (393")		10 (393")		10 (393")	
	Rapid rate (Z-Axis)	m/min	10 (393")		10 (393")		10 (393")		10 (393")	
	Horizontal travel(X-Axis)	mm	-200+950		-200+1150		-300+1450		-300+1650	
	Vertical travel (Z-Axis)	mm	900		900		1200		1200	
	Cutting feed rate	mm/min	0.001-5000		0.001-5000		0.001-5000		0.001-5000	
	Feed override	%	0-150		0-150		0-150		0-150	
	Cross-rail travel	mm	800(200x4 steps)		800(200x4 steps)		1000(250x4 steps)		1000(250x4 steps)	
Control system			Fanuc Oi-T		Fanuc Oi-T		Fanuc Oi-T		Fanuc Oi-T	
Motor	Spindle motor (Cont./30min)	kW	AC37/45		AC37/45		AC60/75		AC60/75	
	Feed motor(X/Z axis)	kW	7.0/7.0		7.0/7.0		5.5/5.5		5.5/5.5	
	Live tool motor	kW	-	AC11/15	-	AC11/15	-	AC11/15	-	AC11/15
Power requirement			kVA 75 90		75 90		90 105		90 105	
Machine size	Floor space(LxW)	mm	6500x4900		6900x4900		7100x5200		7400x5200	
	Max. height(H)	mm	5200		5650		6650		7000	
	Net weight	kg	24500		25300		30600		31400	

*The specifications are subject to change without notice.

Standard accessories

- Complete splash guard.(Top open)
- Hydraulic power unit.
- Table with manual 4-jaw chuck as spec.
- 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.
- Hard jaw for hydraulic chuck.
- Hydraulic chuck soft jaw.
- High & low pressure chucking.
- Air conditioner for electrical cabinet. (Standard for CM series)
- Power transformer.
- Oil skimmer.(Disk type)
- Tool holder base.
- Other tool holder & special tool holder.
- Tool presetter.
- Linear encoder of X/Z axis.
- Lubricant chiller for spindle bearing & gear.
- Extend vertical travel.(Z axis)
- Extend higher column.
- High pressure coolant through tool holder.
- Dual speed gear box for live tool spindle.
- Chip conveyor.(scraper type)
- Manual guide i .
- CE certificate.
- Tooling.
- Jig & fixture
- Turnkey project.
- Siemens controller.
- Grinding function