

## VC SERIES VERTICAL MACHINING CENTER

Model: SMI-VC1055 SMI-VC6045 SMI-VC1265 SMI-VC1375



### Features:

- High rigidity: High quality cast-iron frame provides high rigidity, stability completing heavy-duty cutting.
- High speed: The drive motors are directly connected to the preloaded ball screws through couplings, this ensures high rigidity, high speed, low noise and less wear.
- High accuracy: High precision angular-contact ball bearing is installed in the spindle, provides high precision and high rigidity in axial direction and radial direction.
- High efficiency: Short tool changing times, high spindle speed and rapid feed speed.

### Specification:

Model	SMI-VC1055	SMI-VC6045	SMI-VC1265	SMI-VC1375
X travel(mm)	1000	600	1250	1300
Y travel(mm)	550	450	650	750
Z travel(mm)	620	530	600	600
Spindle nose to table(mm)	150~770	140~670	200~800	200~800
Table size(mm)	1100x525	750x450	1550x650	1500x650
T slot(wide x number x space)(mm)	18x5x100	18x4x100	18x5x125	18x5x125
Max. load capacity(kg)	800	350	1250	1600
Spindle motor(optional)(kw)	7.5/9	5.5/7.5	9/11(7.5/11)	11/15
Spindle speed(optional)(rpm)	60~6000	60~8000	60~8000(60~6000)	60~6000(60~8000)
Spindle taper(optional)(No.)	BT40	BT40	BT40(BT50)	BT50(BT40)
X, Y, Z servomotor(kw)	3	1.6	4	4
X, Y, Z servomotor torque(N.m)	12	8	22	22
Rapid speed(X/Y/Z)(m/min)	18/18/15	18/18/15	20/20/20	20/20/20
Cutting feedrate(mm/min)	1~5000	1~5000	1~5000	1~5000
Hand feedrate(mm/min)	0~2000	0~2000	0~2000	0~2000
Positioning accuracy(mm)	0.008/300	0.008/300	0.008/300	0.008/300
Repeatability(mm)	±0.004	±0.004	±0.004	±0.004
Tool magazine capacity(T)	24	16(20)	24	24
Max. tool(dia. x weight x L)(mmxkgxmm)	Φ90x8x300	Φ90x8x300	Φ90x8x300(Φ112x15x300)	Φ112x15x300
Change time(s)	8(3)	8(3)	3	3
Machine weight(kg)	6000	4200	10000	12000
Power requirement(KVA)	20	15	25	25
Controller	FANUC, MITSUBISHI, HD-500			
Art. No.	1006-139	1006-143	1006-147	1006-151