

Specification	Unit	MDV55	MDV75	MDV95
Table				
Worktable size(L×W)	mm	1050×560(Opt:1250×560)	1550×740	2300×950
Max. load	kg	800	1500	2500
T-slots (numbers*width* centre distance)	mm	5×18×110	5×22×140	7×22×125
Travel				
X/Y/Z Axis travel	mm	1020/550/510	1530/740/660	2060/950/850
X/Y/Z Axis guide way type		Box way	Box way	Box way
Distance from spindle center to column	mm	615	810	1100
Distance from spindle nose to table	mm	150 ~ 660	150 ~ 810	150 ~ 1000
Feedrate				
Rapid traverse of X/Y/Z axis	m/min	30/30/20	24/24/20	20/20/15
Cutting feed rate	mm/min	1 ~ 10000	1 ~ 10000	1 ~ 10000
Spindle				
Spindle motor power	kW	7.5/11	7.5/11	11/15
Max. spindle speed	r/min	8000(Gear box)	6000(Gear box)	6000(Gear box)
Spindle taper		No.50 (7/24)	No.50(7/24)	No.50(7/24)
ATC				
Tool magazine capacity		20T(Opt:30T) original high-speed synchronous tool changer	20T(Opt:30T) original high-speed synchronous tool changer	30T original high-speed synchronous tool changer
Tool shank type		BT50	BT50	BT50
Max tool weight	kg	20	20	20
Max.tool diameter (w/o adjacent tools)	mm	20T:Φ110/Φ200	20T:Φ110/Φ200	30T:Φ103/Φ200
Tool change time (T-T)	S	2	2	2
Accuracy				
X/Y/Z axis positioning accuracy	mm	0.008/0.008/0.008	0.012/0.008/0.008	0.015/0.012/0.012
X/Y/Z axis repeatability accuracy	mm	0.005/0.005/0.005	0.007/0.007/0.007	0.007/0.007/0.007
CNC controller				
CNC controller		FANUC 31i-MB	FANUC 31i-MB	FANUC 31i-MB
General				
Machine dimensions(L×W×H)	mm	3398×2880×2846	4140×4000×3436	5458×5380×3600
Machine weight	kg	7500	10500	20500