

Specification	Unit	VDM650L	VDM850L	VDM850F	VDM1060L	VDM1060F	VDM1270L	VDM1270F	VDM1580L	VDM1580F
Table										
Worktable size(L×W)	mm	800×500	850×500		1050×560		1300×660		1550×740	
Max. load	kg	500	500		800		1200		1500	
T-slots(numbers*width* centre distance)	mm	3×18×160	3×18×160		5×18×110		5×18×125		5×22×140	
Travel										
X/Y/Z Axis travel	mm	620/500/510	820/500/510		1020/550/510		1220/650/660		1530/740/660	
X/Y/Z Axis guide way type		Linear guideway	Linear guideway	Box way	Linear guideway	Box way	Linear guideway	Box way	X/Y: Linear guideway Z: Box way	Box way
Distance from spindle center to column	mm	603	603	560	658	615	721	715	810	
Distance from spindle nose to table	mm	130 ~ 640	130 ~ 640		150 ~ 660		130 ~ 790		150 ~ 810	
Feedrate										
Rapid traverse of X/Y/Z axis	m/min	36/36/30 (Opt:48/48/48)	36/36/30 (Opt:48/48/48)	30/30/20	36/36/30 (Opt:48/48/48)	30/30/20	36/36/30	30/30/20	24/24/20	24/24/20
Cutting feed rate	mm/min	0~10000	0~10000		0~10000		0~10000		0~10000	
Spindle										
Spindle motor power	kW	11/15	11/15		11/15		7.5/11		7.5/11	
Max. spindle speed	r/min	10000(direct drive) Opt:(12000、15000 direct drive)	10000(direct drive) Opt:(12000、15000 direct drive)		10000(direct drive) Opt:(12000、15000 direct drive) 8000(BT50 gear box)		6000(gear box) Opt:8000(gear box)		6000(gear box) Opt:8000(gear box)	
Spindle taper		No.40(7:24)	No.40(7:24)		No.40(7:24)		No. 50(7:24)		No. 50(7:24)	
ATC										
Tool magazine capacity		24T (original high-speed synchronous tool changer)	24T (original high-speed synchronous tool changer)		24T (original high-speed synchronous tool changer)		20T Opt:30T(original high-speed synchronous tool changer)		20T Opt:30T(original high-speed synchronous tool changer)	
Tool shank type		BT40	BT40		BT40 Opt:BT50		BT50		BT50	
Max. tool weight	kg	8	8		8		20		20	
Max. tool diameter (w/o adjacent tools)	mm	Φ78/Φ150	Φ78/Φ150		Φ78/Φ150		Φ110/Φ200		Φ110(30T Φ103)/Φ200	
Tool change time (T-T)	S	<2	<2		<2		2		2	
Accuracy										
X/Y/Z axis positioning accuracy	mm	0.008/0.008/0.008	0.008/0.008/0.008		0.008/0.008/0.008		0.010/0.008/0.008		0.012/0.008/0.008	
X/Y/Z axis repeatability accuracy	mm	0.005/0.005/0.005	0.005/0.005/0.005		0.005/0.005/0.005		0.006/0.006/0.006		0.007/0.007/0.007	
CNC controller										
CNC controller		FANUC 0i-MF(1)	FANUC 0i-MF(1)		FANUC 0i-MF(1)		FANUC 0i-MF(1)		FANUC 0i-MF(1)	
General										
Machine dimensions(L×W×H)	mm	3280×2310×2700	3280×2310×2700		3430×2880×2800		3738×3264×2956		4163×4001×3296	
Machine weight	kg	6000	6500		7000	7500	8500		10500	