

# Vertical Machining Center VDF Series



Specification	Unit	VDF1500	VDF1800
Table			
Worktable size(L×W)	mm	1700×800	2000×800
Max. load	kg	2500	2500
T-slots(numbers*width* centre distance)	mm	6×18×125	6×18×125
Travel			
X/Y/Z axis travel	mm	1560/830/790	1880/830/790
X/Y/Z axis guide way type		Box way (Y-4)	Box way (Y-4)
Distance from spindle center to column	mm	850	850
Distance from spindle nose to table	mm	186 ~ 976	166 ~ 956
Spindle			
Spindle motor power	kW	15/18.5	15/18.5
Max. spindle speed	r/min	6000	6000
Spindle taper		No.50(7/24)	No.50(7/24)
Feedrate			
Rapid traverse of X/Y/Z axis	m/min	15/15/12	15/15/12
Max. cutting feed rate	m/min	6	6
ATC			
Tool magazine capacity		24T/Arm	24T/Arm
Tool shank type		BT50	BT50
Max. tool weight	kg	15	15
Max. tool diameter (w/o adjacent tools)	mm	24T:Φ125/250	24T:Φ125/250
Tool change time (T-T)	S	3.5	3.5
Accuracy			
X/Y/Z axis positioning accuracy	mm	0.019/0.008/0.008	0.019/0.008/0.008
X/Y/Z axis repeatability accuracy	mm	0.008/0.005/0.005	0.008/0.005/0.005
CNC controller			
CNC controller		FANUC Oi-MF (I) Plus, SIEMENS 828D	
General			
Machine dimensions(L×W×H)	mm	4580×3250×3120	5200×3250×3120
Machine weight	kg	14000	14500

### Standard configurations

- 24T arm-type ATC
- Ball screw and linear guideway
- Heat exchanger
- Spindle air blow
- Spindle coolant ring
- Compact oil-water separator
- Screw-type chip conveyor
- Rigid tapping
- Workpiece coolant system
- Air gun
- Automatic lubrication system

### Optional

- Spindle oil chiller
- Coolant through spindle and high-pressure unit
- High volume flushing system
- 4th axis rotary table
- Air conditioner
- Chain-type chip conveyor and chip cart
- Tool probe & workpiece probe
- M30 automatic power off