

## Vertical Machining Center VDLS Series

Specification	Unit	VDLS600	VDLS850	VDLS1000
<b>Table</b>				
Worktable size (L X W)	mm	800 X 420	1000 X 500	1120 X 560
Max. load	kg	500	500	750
T-slots (numbers*width*center distance)	mm	3 X 18 X 125	5 X 18 X 100	5 X 18 X 100
<b>Travel</b>				
X/Y/Z Axis travel	mm	620/440/540	860/510/560	1040/580/620
X/Y/Z Axis guide way type		Linear guideway	Linear guideway	Linear guideway
Distance from spindle center to column	mm	546	607	665
Distance from spindle nose to table	mm	140~680	145~705	125~745
<b>Feedrate</b>				
Rapid traverse of X/Y/Z axis	m/min	36/36/30	36/36/30	36/36/30
Cutting feed rate	mm/min	0~10000	0~10000	0~10000
<b>Spindle</b>				
Spindle motor power	kW	7.5/11	7.5/11	11/15
Max. spindle speed	r/min	12000	12000	12000
Spindle taper		No.40 (7:24)	No.40 (7:24)	No.40 (7:24)
<b>ATC</b>				
Tool magazine capacity		24T/Arm	24T/Arm	24T/Arm
Tool shank type		BT40	BT40	BT40
Max. tool weight	kg	8	8	8
Max. tool diameter (w/o adjacent tools)		24T: $\phi$ 78/155	24T: $\phi$ 78/155	24T: $\phi$ 78/155
Tool change time (T-T)	s	24T:2.5	24T:2.5	24T:2.5
<b>Accuracy</b>				
X/Y/Z axis positioning accuracy	mm	0.008/0.008/0.008	0.008/0.008/0.008	0.016/0.014/0.014
X/Y/Z axis repeatability accuracy	mm	0.005/0.005/0.005	0.005/0.005/0.005	0.006/0.005/0.005
<b>CNC Controller</b>				
CNC Controller		FANUC Oi-MF(5)	FANUC Oi-MF(5)	FANUC Oi-MF(5)
<b>General</b>				
Machine dimensions (L X W X H)	mm	2413 X 2451 X 2549	2496 X 2530 X 2679	2800 X 2671 X 2760
Machine weight	kg	4600	5600	7000

### Standard Configurations

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

### Optional

- Roller Guideway
- 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 & work-piece probe
- M30 Automatic power off