



Excellence in Metal Cutting

## VMC Series

Vertical Machining Center



VX -800 | 850 | 1000 | 1250 | 1350 | 1550 | 1850

**YANTRANG CNC**  
AUTOMATION PVT. LTD.

## TECHNICAL SPECIFICATION

SPECIFICATION		VX-400	VX-500	VX-650	VX-800	VX-850
<b>TRAVELS</b>						
X	mm	400	500	650	800	850
Y	mm	360	500	500	500	650
Z	mm	360	510	510	510	510
Spindle Nose To Table	mm	102-462	102-612	102-612	102-612	102-612
<b>TABLE</b>						
Length	mm	650	675	825	960	1020
Width	mm	360	460	460	460	525
Max Weight on Table	Kg	200	400	400	500	500
T-Slot Width	mm	16	16	16	16	16
T-Slot center Distance	mm	125	125	125	125	125
<b>SPINDLE</b>						
Spindle Nose (Optional)		BT 40	BT 40	BT 40	BT 40	BT 40 (50)
Speed	RPM	6000 (8000)	6000 (8000)	6000 (8000)	6000 (8000)	8000
Drive System (Direct Drive) (Optional)		Belt Drive	Belt Drive	Belt Drive	Belt Drive	
With optional Gear Box		-	-	-	-	-
Bearing Lubrication		Grease	Grease	Grease	Grease	Grease
Cooling		-	-	-	-	-
Spindle Motor Max Rating	Kw	5.5/7.5	7.5/11	7.5/11	7.5/11	11/15
<b>AXIS MOTORS</b>						
Rapids on Z Axis Box Guide		24m/min	24m/min	24m/min	24m/min	24m/min
Rapids on X & Y Axes		24m/min	24m/min)	24m/min	24m/min	24m/min
Max Cutting		10m/min	10m/min	10m/min	10m/min	10m/min
<b>TOOL CHANGER</b>						
No. of Tools		20 (24)	20 (24)	20 (24)	20 (24)	20 (24)
Max Tool Dia. Standard (full/adjacent empty)		89/125	89/125	89/125	89/125	89/125
Max Tool Weight	Kg	7	7	7	7	7
Changer Type Standard		Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
<b>ACCURACY</b>						
Positioning	mm	0.01	0.01	0.01	0.01	0.01
Repeatability	mm	0.007	0.007	0.007	0.007	0.007
Machine weight	Kg	3200	4000	5000	5500	6000

**NOTE :** Specification Subject to Change without Prior Notice.

- Linear Motion Guideway, Rapid 24m/min
- Harden & Ground Box Guideway, Rapid 20m/min

# VMC Series

Vertical Machining Center



## TECHNICAL SPECIFICATION

SPECIFICATION		VX-1000	VX-1250	VX-1350	VX-1550	VX-1850
<b>TRAVELS</b>						
X	mm	1000	1250	1350	1550	1850
Y	mm	650	650	710	710	810
Z	mm	610	610	650	810	810
Spindle Nose To Table	mm	102-712	102-712	102-752	150-960	150-960
<b>TABLE</b>						
Length	mm	1250	1500	1550	1700	2000
Width	mm	525	620	600	810	810
Max Weight on Table	Kg	1000	1100	1000	2000	2500
T-Slot Width	mm	16	16	16	5 x 18	5 x 18
T-Slot center Distance	mm	125	125	125	150	150
<b>SPINDLE</b>						
Spindle Nose (Optional)		BT 40 (50)	BT 40 (50)	BT 40 (50)	BT 40 (50)	BT 40 (50)
Speed	RPM	8000	8000	8000	8000	8000
Drive System (Direct Drive) (Optional)		Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive
With optional Gear Box		-	-	-	-	-
Bearing Lubrication		Grease	Grease	Grease	Grease	Grease
Cooling		-	-	-	-	-
Spindle Motor Max Rating	Kw	11/15	11/15	11/15	11/15 (15/18)	11/15 (15/18)
<b>AXIS MOTORS</b>						
Rapids on Z Axis Box Guide		24m/min	24m/min	20m/min	24m/min	24m/min
Rapids on X & Y Axes		24m/min	24m/min	24m/min	24m/min	24m/min
Max Cutting		10m/min	10m/min	10m/min	10m/min	10m/min
<b>TOOL CHANGER</b>						
No. of Tools		20 (24)	20 (24)	20 (24)	20 (24)	20 (24)
Max Tool Dia. Standard (full/adjacent empty)		89/125	89/125	89/125	89/125	89/125
Max Tool Weight	KG	7	7	7	7	7
Changer Type Standard		Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
<b>ACCURACY</b>						
Positioning	mm	0.01	0.01	0.01	0.015	0.015
Repeatability	mm	0.007	0.007	0.007	0.010	0.010
Machine weight	Kg	6500	7800	9000	14000	16000

**NOTE :** Specification Subject to Change without Prior Notice.

- Linear Motion Guideway, Rapid 24m/min
- Harden & Ground Box Guideway, Rapid 20m/min

**CONTROL SYSTEM FEATURES :**

- Manual Data Input
- Simultaneously Controllable 3 Axes
- Part Program Storage and Editing
- Self Diagnostics
- Multiple Repetitive Cycles
- Feed rate override
- Circular Interpolation
- Absolute / Incremental programming
- RS-232 S port serial interface
- Backlash compensation
- System Parts counter & Run-time Display
- Dynamic Graphic
- Electronic hand wheel
- Pitch Error Compensation
- Oriented Spindle Stop
- USB Port

**STANDARD FEATURES :**

- Linear Motion Guideway
- AC Spindle Drive & Servo Drive
- ATC : Automatic Tool Changer
- Centralized Lubrication System
- Electrical Quality Device

**OPTIONAL :**

- Chip Conveyor
- Stabilizer
- Auto Door
- Pallet Changer
- 4th & 5th Axis Table
- Tool Probe
- Spindle Through Coolant
- BT-50 Spindle

