YANTRANG®
Excellence in Metal Cutting

VMC Series
Vertical Machining Center

VX
400 I 500 I 650 I 800 I 850 I 1000 I 1250 I 1350 I 1550 I 1850

SPECIFICATION		VX-400	VX-500	VX-650	VX-800	VX-850
TRAVELS						
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
TABLE						
LENGTH	MM	650	675	825	1000	1000
WIDTH	MM	360	500	500	500	500
MAX WEIGHT ON TABLE	KG	200	400	400	500	500
T-SLOT WIDTH	MM	3 x 14	5 x 16	5 x 16	5 x 16	5 x 18
T-SLOT CENTER DISTANCE	MM	115	95	95	95	100
SPINDLE						
SPINDLE NOSE (OPTIONAL)		BT 40	BT 40	BT 40	BT 40	BT 40 (50)
SPEED	RPM	8000	8000	8000	8000	8000 (6000)
DRIVE SYSTEM (DIRECT DRIVE) (OPTIONAL)		BELT DRIVE	BELT DRIVE	BELT DRIVE	BELT DRIVE	BELT DRIVE
FRONT BEARING ID DIAMETER		60	60	70	70	70 (100)
BEARING LUBRICATION		GREASE	GREASE	GREASE	GREASE	GREASE
COOLING		-	-	-	-	-
SPINDLE MOTOR MAX RATING (FANUC)	KW	5.5/7.5	7.5/11	7.5/11	7.5/11	7.5/11 (11/15)
SPINDLE MOTOR MAX RATING (SIEMENS)	KW	7.5/9	7.5/9	7.5/9	7.5/9	7.5/9 (12/16)
AXIS MOTORS						
RAPIDS ON Z AXIS BOX GUIDE		24m/min.	24m/min.	24m/min.	24m/min.	20m/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.
TOOL CHANGER						
NO. OF TOOLS		24	24	24	24	24
MAX TOOL DIA. STANDARD (Full/ADJACENT EMPTY)		89/125	89/125	89/125	89/125	89/125 (130/200)
MAX TOOL WEIGHT	KG	7	7	7	7	7 (20)
CHANGER TYPE STANDARD		ARM TYPE	ARM TYPE	ARM TYPE	ARM TYPE	ARM TYPE
ACCURACY						
POSITIONING	MM	±0.010	±0.010	±0.010	±0.010	±0.010
REPEATABILITY	MM	±0.007	±0.007	±0.007	±0.007	±0.007
MACHINE WEIGHT	KG	3200	4000	4500	5200	5800
GUARD DIMENSION : LENGTH	MM	1975	2100	2250	2300	2360
WIDTH	MM	1950	2250	2250	2150	2600
HEIGHT	MM	2475	2600	2685	2660	2790

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

YANTRANG CNC
AUTOMATION PVT. LTD.

VMC Series
Vertical Machining Center

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SPECIFICATION		VX-1000	VX-1250	VX-1350	VX-1550	VX-1850
TRAVELS						
X	MM	1000	1250	1350	1550	1850
Y	MM	650	650	710	710	810
Z	MM	610	610	710	810	810
SPINDLE NOSE TO TABLE	MM	102-712	102-712	102-852	150-960	150-960
TABLE						
LENGTH	MM	1250	1500	1500	1700	2000
WIDTH	MM	600	620	600	810	810
MAX WEIGHT ON TABLE	KG	1000	1100	1000	2000	2500
T-SLOT WIDTH	MM	5 x 18	5 x 18	5 x 18	5 x 18	5 x 18
T-SLOT CENTER DISTANCE	MM	125	125	125	150	150
SPINDLE						
SPINDLE NOSE (OPTIONAL)		BT 40 (50)	BT 40 (50)	BT 40 (50)	BT 40 (50)	BT 40 (50)
SPEED	RPM	8000 (6000)	8000 (6000)	8000 (6000)	8000 (6000)	8000 (6000)
DRIVE SYSTEM (DIRECT DRIVE) (OPTIONAL)		BELT DRIVE	BELT DRIVE	BELT DRIVE	BELT DRIVE	BELT DRIVE
FRONT BEARING ID DIAMETER		70 (100)	70 (100)	70 (100)	70 (100)	70 (100)
BEARING LUBRICATION		GREASE	GREASE	GREASE	GREASE	GREASE
COOLING		-	-	-	-	-
SPINDLE MOTOR MAX RATING (FANUC)	KW	7.5 (11/15)	7.5 (11/15)	7.5 (11/15)	11/15 (15/18)	11/15 (15/18)
SPINDLE MOTOR MAX RATING (SIEMENS)	KW	7.5/9 (12/16)	7.5/9 (12/16)	7.5/9 (12/16)	12/16 (15/18)	12/16 (15/18)
AXIS MOTORS						
RAPIDS ON Z AXIS BOX GUIDE		20m/min.	20m/min.	20m/min.	20m/min.	20m/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.
TOOL CHANGER						
NO. OF TOOLS		24	24	24	24	24
MAX TOOL DIA. STANDARD (Full/ADJACENT EMPTY)		89/125 (130/200)	89/125 (130/200)	89/125 (130/200)	89/125 (130/200)	89/125 (130/200)
MAX TOOL WEIGHT	KG	7	7	7	7	7 (20)
CHANGER TYPE STANDARD		ARM TYPE	ARM TYPE	ARM TYPE	ARM TYPE	ARM TYPE
ACCURACY						
POSITIONING	MM	±0.010	±0.010	±0.010	±0.010	±0.010
REPEATABILITY	MM	±0.007	±0.007	±0.007	±0.007	±0.007
MACHINE WEIGHT	KG	6500	7800	9000	14000	16000
GUARD DIMENSION : LENGTH	MM	2850	3250	3350		
WIDTH	MM	2600	2600	2700		
HEIGHT	MM	2960	3000	3280		

NOTE : Specification Subject to Change without Prior Notice.