

BELGAUM CNC APPLICATIONS PVT. LTD.
List of Production Machinery

BCNC-L-6.3-001 Rev.03 / 02.04.2012

MODEL	VMC-345	MCV-1020B	MKU-500	Polaris	Makino 1080C
TYPE OF MACHINE	VMC	VMC	CNC Turning Center	CNC Turning Center	HMC
MAKE	Mysore Kirloskar Ltd, Harihar	Dahlih Machine Industries Ltd, Taiwan	Mysore Kirloskar Ltd, Harihar	Polaris	Japan
SYSTEM	Fanuc-OM 3 Axis	Fanuc OMF 4 Axis	Fanuc – OT 2 Axis	Fanuc Oi mate-TC 2 Axis	Fanuc Oi-MC 4 Axis
SIMULTANEOUS AXIS	2 Axis	3 Axis	2 Axis	2 Axis	3 Axis
WORKING SURFACE	600 x 400	1300 x 600	Swing on Bed 500mm	Swing on Bed 750mm	800 x 800 Twin Pallet
MAXIMUM TABLE LOAD	400 Kgs	1000 Kgs	1000 Kgs	1000 Kgs	2000 Kgs
TRAVEL	X500; Y400; Z370	X1020; Y510; Z560 Dia 250, 0-360°	X 265; Z 1500	X 290; Z1000	X1050; Y810; Z810 B 0-360° (5° Increment)
SPINDLE SPEED	40-3000	40-4000	0-1500	30-3000	10-4000 High Low Gear Box
SPINDLE POWER	5 HP (3.5 kW)	10 HP (7.5 kW)	15 HP (11 kW)	11kwa/15kw	15KW
ATC	Disc Type Arm Less	Disc Type Arm Less	Programmable Turret	Programmable Turret	Twin Arm
NO. OF TOOLS	12	16	8+4	8+4	99
TOOL HOLDER	CAT-40	CAT-40	25 x 25 or 32 x 32	25 x 25 or 32 x 32	BT – 50
SERVO MOTORS	X 1.5 HP, Y 1.5 HP, Z 1.5 HP	X 2.5 HP, Y 2.5 HP, Z 2.5 HP, B 2.5 HP	X 1.5 HP, Z 1.5 HP	X 12 Nm, Z 22 Nm	X 3.5 HP, Y 3.3 HP, Z 3.3 HP, B 1 HP
OTHER FEATURES					

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MODEL	MAZAK H-15 MODLE B	H R 5 B	YASDA YBM-70N	MCV - 450	CMH - 400
TYPE OF MACHINE	HMC	HMC	HMC	VMC	HMC
MAKE	Yamazaki Machinery	Mitsui Seiki, Japan	Yasuda Industry Co. Ltd, Japan	AMS, Bangalore, India	AMS, Bangalore, India
SYSTEM	Fanuc Oi-MC 4 Axis	Fanuc 6 M 4 Axis	Fanuc O i M B 4 Axis	Fanuc O i M	Fanuc O i M 4 Axis
SIMULTANEOUS AXIS	3 Axis	3 Axis	3 Axis	3 Axis (4th axis Wired)	3 Axis
WORKING SURFACE	630 x 630 10 Pallets	630 x 630 Twin Pallet	630 x 630 Twin Pallet	1000 x 450	400 x 400
MAXIMUM TABLE LOAD	1000 Kgs	1000 Kgs	500 Kgs	400 Kgs	400 Kgs
TRAVEL	X1000; Y800; Z750 B 0-360° (1° Increment)	X850; Y700; Z750 B 0-360° (5° Increment)	X700; Y600; Z600 B 0-360° (1° Increment)	X800; Y450; Z500	X500; Y480; Z480 B 0-360° (1° Increment)
SPINDLE SPEED	22-5000 High Low Gear Box	30-3000 High Low Gear Box	0-3500 High Low Gear Box	80-8000	60-6000
SPINDLE POWER	20 HP	7.5 KW	15 HP (11 kW)	11 / 7.5 kw	11 / 7.5 kw
ATC	Twin Arm H Type	Twin Arm H Type	Twin Arm	Twin Arm	Twin Arm
NO. OF TOOLS	120	46	30	20	40
TOOL HOLDER	BT – 50	BT – 50	BT – 50	BT – 40	BT – 40
SERVO MOTORS	X 8 HP, Y 8 HP, Z 8 HP, B 3 HP	X 8 HP, Y 8 HP, Z 8 HP, B 2.5 HP	X 8 HP, Y 8 HP, Z 8 HP, B 2.4 HP	11/11/20 Nm	22/22/22 Nm
OTHER FEATURES				Through tool coolant at 40 bar, 30m/min rapid, Helical interpolation, Rigid tapping	Through tool coolant at 40 bar, 40m/min rapid, Helical interpolation, Rigid tapping

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MODEL	KH63G	KH63G	KH63G	Goodway Turning	VM-850 (VTM)
TYPE OF MACHINE	HMC	HMC	HMC	CNC Turning Center	CNC Vertical Turning Machine
MAKE	Hyundai Kia, Korea	Hyundai Kia, Korea	Hyundai Kia, Korea	Goodway, Tiwan	WIDMA, Bangalore, India
SYSTEM	Fanuc 18iMB	Fanuc 18iMB	Fanuc 18iMB	Fanuc – OT 2 Axis	Fanuc – Oi TD 2 Axis+1 Rotary axis
SIMULTANEOUS AXIS	3 Axis	3 Axis	3 Axis	2 Axis	2 Axis
WORKING SURFACE	630 x 630 Twin Pallet	630 x 630 Twin Pallet	630 x 630 Twin Pallet	Swing on Bed 500mm	Swing on Bed 900mm
MAXIMUM TABLE LOAD	1000 Kgs	1000 Kgs	1000 Kgs	1000 Kgs	1500 Kgs
TRAVEL	X950; Y825; Z760 B 0-360° (1° Increment)	X950; Y825; Z760 B 0-360° (1° Increment)	X950; Y825; Z760 B 0-360° (1° Increment)	X 250; Z 500	X 560; Z 800
SPINDLE SPEED	4500	4500	4500	0-1500	0-700
SPINDLE POWER	22 / 18.5 kw	22 / 18.5 kw	22 / 18.5 kw	15 HP (11 kW)	30 HP (18.5/22 kW)
ATC	Twin Arm	Twin Arm	Twin Arm	Programmable Turret	Twin Arm
NO. OF TOOLS	40	40	40	10	20
TOOL HOLDER	BT – 50	BT – 50	BT – 50	25 x 25 or 32 x 32	BT – 50
SERVO MOTORS	X 5.4 HP, Y 5.4 HP, Z 5.4 HP, B 2.2 HP	X 5.4 HP, Y 5.4 HP, Z 5.4 HP, B 2.2 HP	X 5.4 HP, Y 5.4 HP, Z 5.4 HP, B 2.2 HP	X 1.5 HP, Z 1.5 HP	X 1.5 HP, Z 1.5 HP
OTHER FEATURES	Through tool coolant at 30 bar, 20m/min rapid, Helical interpolation, Rigid tapping	Through tool coolant at 70 bar, 20m/min rapid, Helical interpolation, Rigid tapping, Linear scale for X,Y and Z axis	Through tool coolant at 70 bar, 20m/min rapid, Helical interpolation, Rigid tapping		Live Spindle with 7.5/11 kW and 3500 RPM, Through tool coolant at 10 bar, 20m/min rapid, Helical interpolation, Rigid tapping