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HORIZONTAL MACHINING CENTER

HMC-500 / 630 / 800

- *Twin Y Axis Ball Screws*
- *Two-stepped Column*



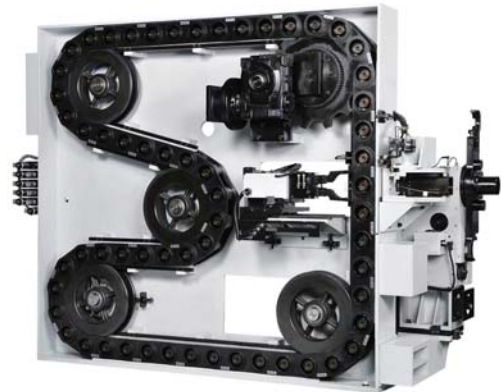
CNC-TAKANG

CNC-TAKANG CO., LTD.
MANUFACTURER & EXPORTER

HMC-630 / HMC-800

■ Auto Tool Changer

Servo motor controlled random access magazine is designed to offer smooth, reliable tool selection and save tool change time.



■ High Quality Auto Pallet Changer and B Axis

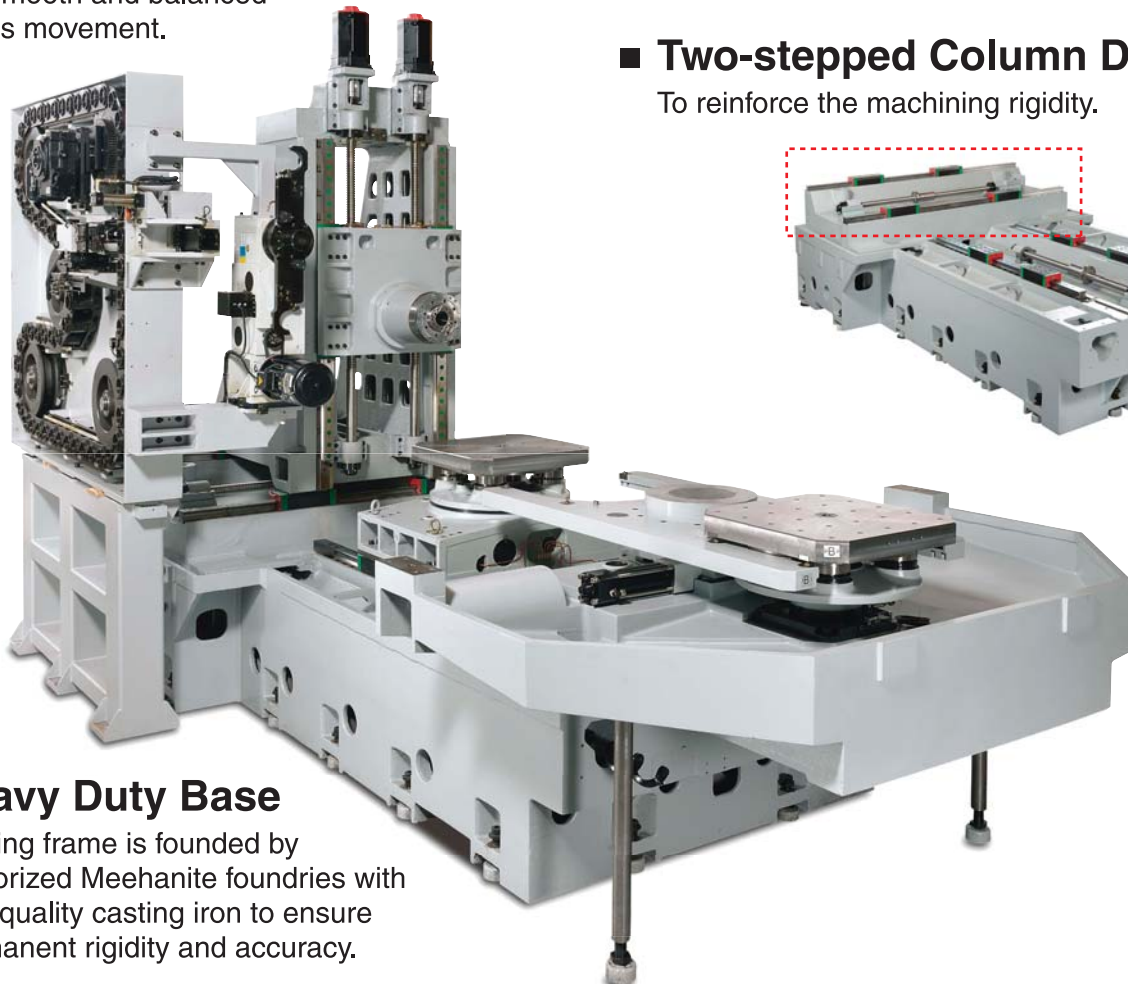
High quality APC system is designed to ensure high speed and stable pallet change.

Integrated design of position cones and collet clamping system are used to ensure table positioning accuracy after every pallet change.



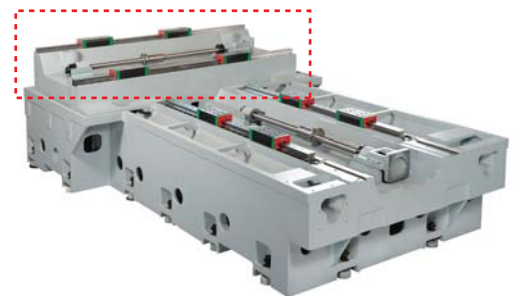
■ Twin Y Axis Ball Screws

For smooth and balanced Y axis movement.



■ Two-stepped Column Design

To reinforce the machining rigidity.

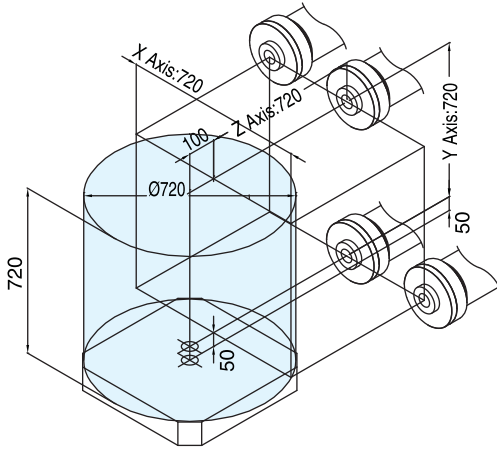


■ Heavy Duty Base

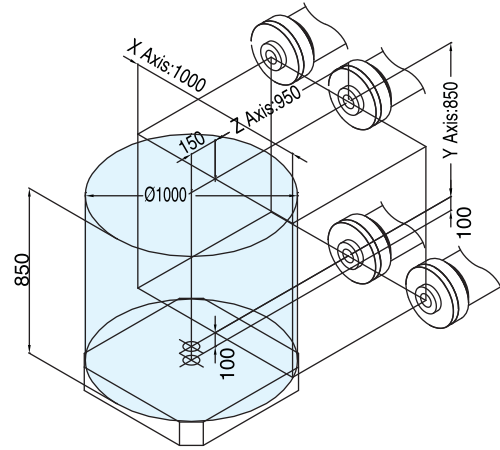
Casting frame is founded by authorized Meehanite foundries with high quality casting iron to ensure permanent rigidity and accuracy.

WORK RANGE (unit: mm)

HMC-500



HMC-630 / HMC-800



FLOOR SPACE (unit: mm)

MODEL	A	B	C	D	E	F
HMC-500	3030	3260	5075	2646	930	2410
HMC-630	4160	4230	6060	3470	1330	3810
HMC-800	5160	5230	7060	3570	1530	4310

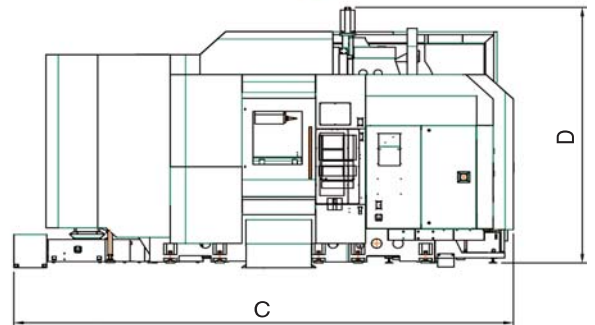
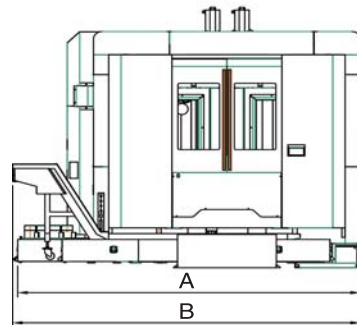
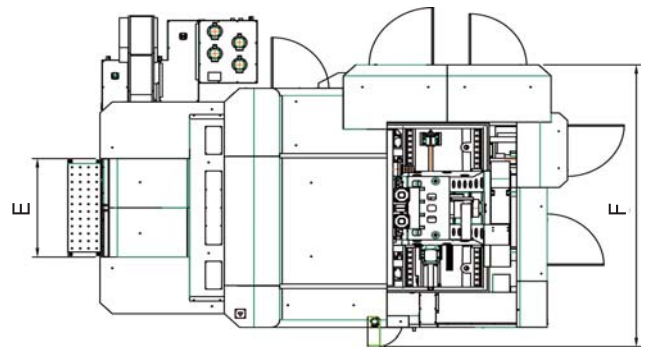
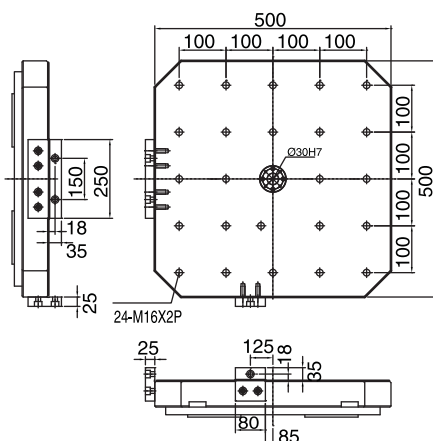
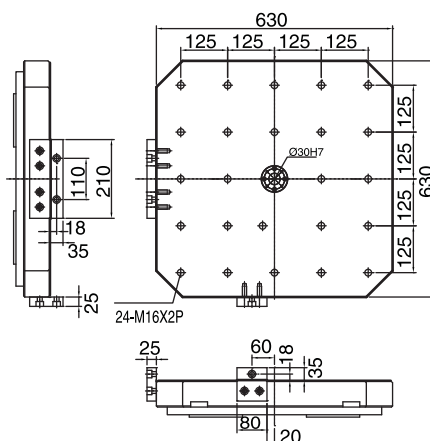


TABLE SIZE (unit: mm)

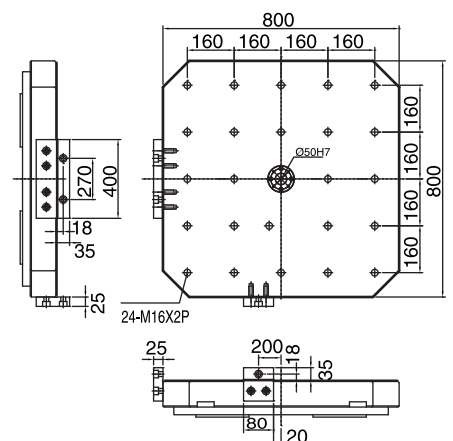
HMC-500



HMC-630



HMC-800



SPECIFICATIONS

MODEL / DESCRIPTION		HMC-500	HMC-630	HMC-800
Table	Table Size (mm) & Number	500 x 500 x 2	630 x 630 x 2	800 x 800 x 2
	Screw Size (Size x Pitch)	M16 x 2	M16 x 2	M16 x 2
	Max. Loading Capacity (kgs)	600 x 2	1200 x 2	2000 x 2
	Table Index (deg)	0.001	1 / 0.001 (OPT)	
Travel	Travel Range of X/Y/Z Axes (mm)	720 / 720 / 720	1000 / 850 / 950	
	Spindle Center to Table Surface (mm)	50-770	100-950	
	Spindle Nose to Table Center (mm)	100-820	150-1100	
	Table Surface to Floor (mm)	1050	1310	
Spindle	Spindle Taper	ISO40	ISO50	
	Spindle Speed (rpm)	Direct: 12000 / 15000 (OPT)	Belt: 6000 / 8000 (OPT) Direct: 8000 (OPT) / 10000 (OPT)	
	Spindle Drive Motor (Con./30min) (kw)	11 / 15, 15 / 18.5 (OPT)	22 / 26, 26 / 30 (OPT)	
Feed	Cutting Feed Rate of X/Y/Z Axes (mm/min)	1-10000	1-10000	
	Rapid Feed Rate of X/Y/Z Axes (M/min)	60 / 60 / 60	36 / 36 / 36	
	X/Y/Z/B Axis Motors (kw)	7 / 7 / 4 / 3	7 / 4 + 4 / 7 / 3	
ATC	Tool Shank Type	BT40, CAT40	BT50, CAT50	
	Magazine Capacity	40 / 60 (OPT)	40	OPT: 60/90/120
	Max. Tool Diameter (mm)	Dia. 75	Dia. 110	Dia. 125
	Max. Tool Dia. without Adjacent (mm)	Dia. 150	Dia. 220	Dia. 250
	Max. Tool Length (mm)	400	400	400
	Max. Tool Weight (kgs)	8	15	25
Miscellaneous	Power Requirement (KVA)	30	35	
	Pneumatic Requirement (kg/cm ²)	5	5	
	Floor Space (LxWxH mm)	5075 x 3260 x 2800	6200 x 4200 x 3600	7200 x 5200 x 3700
	Machine Weight (kgs)	12400	22000 (40 Tools) 22500 (60 Tools) 23000 (90 Tools) 24000 (120 Tools)	24500 (40 Tools) 25000 (60 Tools) 25500 (90 Tools) 26500 (120 Tools)

※THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES:

1. Spindle oil chiller
2. Splash guard
3. Flushing system
4. Coolant system
5. Cutter air blower
6. 3 axes telescope cover
7. Rigid tapping
8. Heat exchange for electric cabinet
9. Air blast through spindle
10. Build in twin screw type chip conveyor
11. Automatic lubrication system
12. Leveling bolts & pads
13. Tool box & tools
14. Operation & program manuals

■ OPTIONS:

1. Coolant through spindle
2. 3 axes linear scales
3. External chain type chip conveyor
4. Auto tool length measurement
5. Auto workpiece measurement
6. Transformer
7. CE mark

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