



MC630H MC800H

Smart CNC Solutions

Horizontal Machining Center

MC-H SERIES

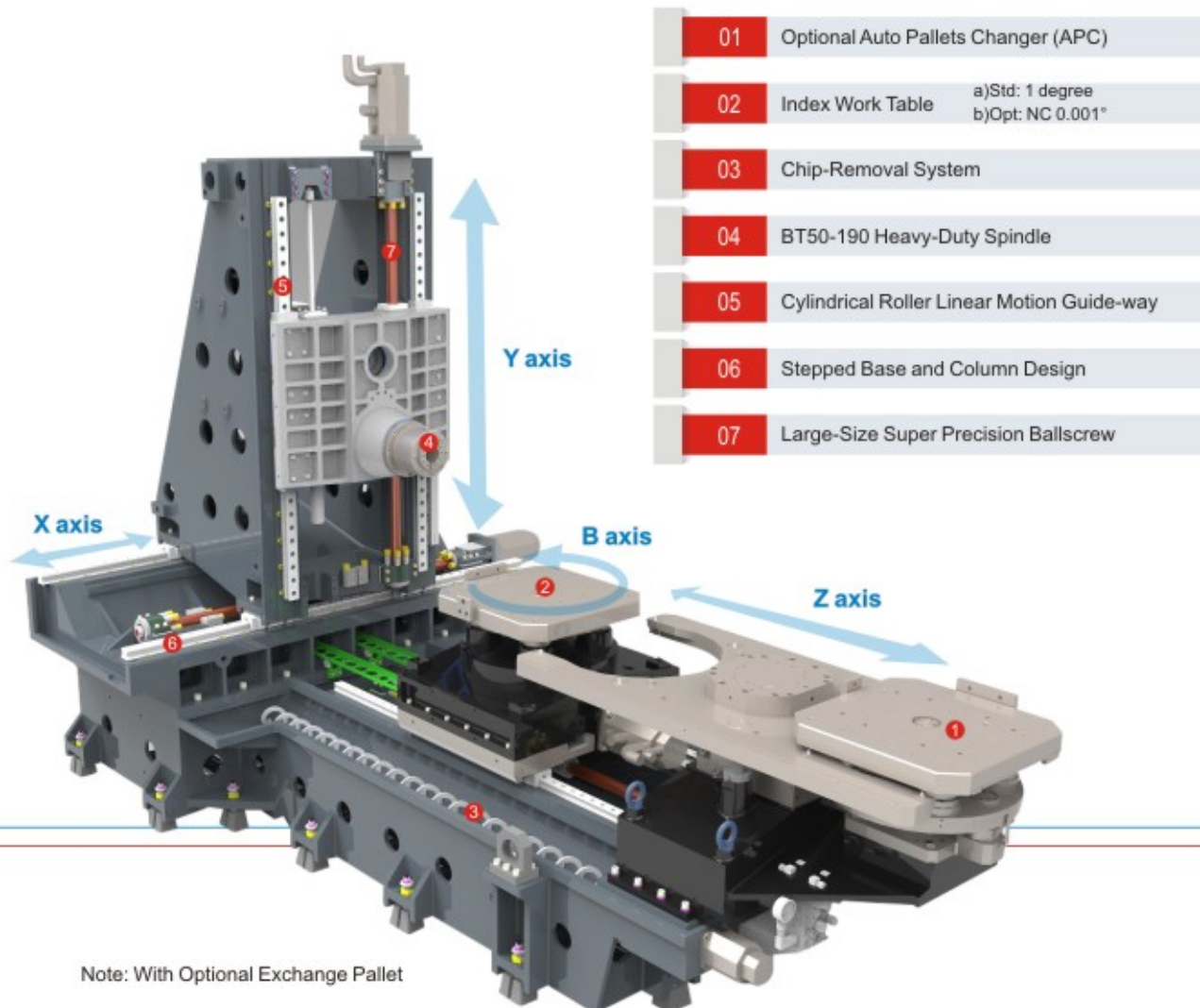
Upright T Structure For Better Rigidity and Accuracy



Upright T Structure Horizontal Machining Center

It is a high-performance machine incorporating all the features demanded of a horizontal machining center, including high speed, high precision, chip disposal and ease of maintenance, while achieving both a space saving design and a large work envelope. The HMC broadly applied in various industries working independently or jointly with other machine as production line.

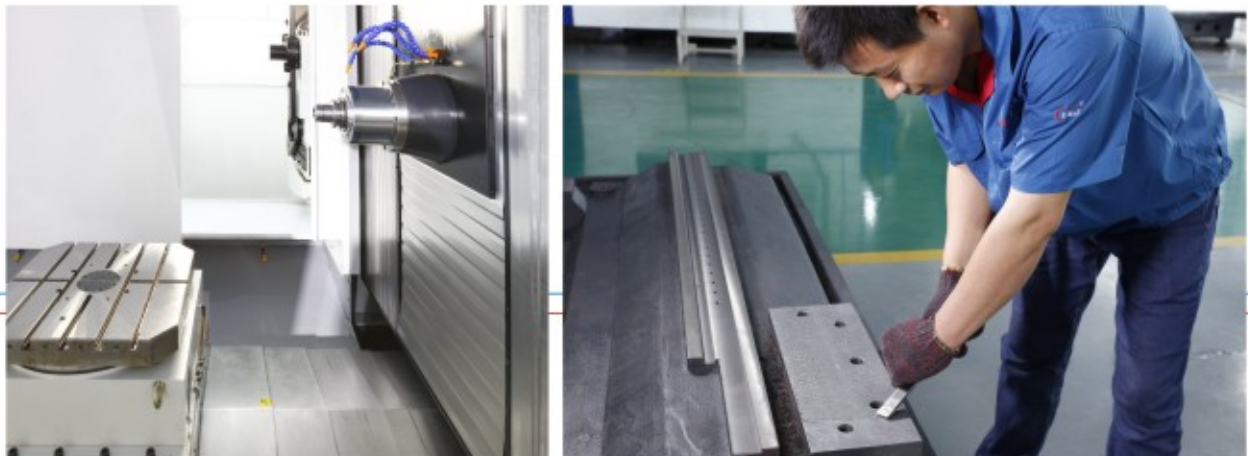
Upright T-Base Structure – column is movable as X axis and worktable is moving as Z axis, this design are match the design concept of super precision boring machine. The worktable is carrying workpiece to the static spindle while machining, it maximize the spindle rigidity and accuracy.



Ongoing Product Refinement



- The Finite Element Method (FEM) analysis provides optimum machine design and optimum structure advantages while ensuring best machine rigidity. Meehanite standard Casting along with twice aging treatment for long term reliability.
- BT50-190 large size spindle unit offers wide range machining capacity from low-speed heavy cutting to high-speed precision cutting applications.
- Large-size heavy duty roller type linear motion guideways applied on all 3-axis for rigid support, smooth slide, stable accuracy as well as easier maintenance.
- Sevo driven index worktable B-axis and hydraulic locking guarantee the fast index speed and the heavy cutting rigidity.
- Index worktable uses curvic coupling for high-accuracy indexing.
- The ball screw brackets at both ends of the X-Y-Z axes ballscrews are preloaded for highly accurate drive and positioning.
- The stepped base and column design of the MC-H Series, where two X-axis linear guide rails are on a different horizontal planes, increases the rigidity and stability of the spindle-head column assembly.



Standard Features

- BT50 Spindle
- Arm Type ATC 40 Pcs
- Ergonomic CNC Panel & MPG
- Automatic Lubrication System
- Full Machine Enclosure
- Air Conditioned Electrical Cabinet
- Chip Conveyor

Optional Features

- Through Spindle Coolant
- Different CNC Control System
- Different Spindle
- Auto Pallet Changer



Specifications

	Unit	MC630H	MC800H	
Table	Table size	630x630	800x800	
	T slot (Nos.-width-distance)	5-18T-100	5-22T-160	
	Max. load	1500	2000	
	Table quantities	1, *APC	1, *APC	
	Table indexing degree	1, *0.001	1, *0.001	
	Max. swing dia. of workpiece	950	1300	
Travel	X/Y/Z Travel	1100/800/1100	1300/1100/1200	
	Spindle center to table	50-850	45-1145	
	Spindle end to table center	125-1225	150-1350	
Spindle	Spindle type	BT50-190	BT50-190	
	Main servo motor	kW	18.5/15	18.5/15, *22
	Spindle speed	rpm	6000	6000
Feed & Magazine	X/Y/Z axis rapid traverse	m/min	24/24/24	24/24/24
	ATC capacity/type	No./type	40, *30/Chain type	40, *60 /Chain type
	Max. weight of tool	kg	25	25
	Max. dia. of tool	mm	125/225	125/225
	Max. length of tool	mm	600	600
Dimension & weight	Power capacity	kVA	65	75
	Dimension	mm	4800x3500x3500	6800x4000x3915
	Weight(about)	kg	16000	22000

Note: "*" means optional. APC: Auto Pallet Changer.

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