

## CNC Five Fixed Gantry Machining Center



Item		Unit	Parameter	Remark
Travel range	X Axis	mm	1000	
	Y Axis	mm	900	
	Z Axis	mm	600	
	Distance from spindle end face to worktable surface	mm	120-720	
Worktable	Table Size	mm	900*800	
	Max. Load	T	1	
	T-slot	mm	18+	
	Distance between columns	mm	900	
Spindle	Max. spindle speed	rpm	12000	
	Taper		BBT40	
	Spindle drawbar		P40T-1-MAS403 (For standard BBT40)	
	Main motor		11/15 (Mitsubishi)	
	Spindle type		BBT40 direct short nose	
ATC	Capacity	T	24	
	Max. weight of tool	Kg	8	
	Max. length of tool	mm	300	
	Max. diameter (empty)	mm	150	
Feed	Rapid speed	m/min	X:14, Y:16, Z:16	
	Cutting feed speed X.Y.Z	mm/min	1-10000	
	X Axis guideway		45x2 Roller linear guide	
	Y Axis guideway		45x2 Roller linear guide	

	Z Axis guideway		45x2 Roller linear guide	
	X Axis ballscrew		3210	
	Y Axis ballscrew		3210	
	Z Axis ballscrew		3210	
	X Axis motor		2 KW	
	Y Axis motor		2 KW	
	Z Axis motor		2 KW	
Cooling and Chip Removal System	Cooling system		Spindle front nozzle	
	chip removal system		Spiral chip conveyors on both sides + front chain chip conveyor	
Pneumatic, lubrication, and Hydraulic Systems	Air pressure		P = 0.5 ~ 0.8 MPa	
	Lubrication system		Automatic timed and quantitative lubrication	
	Hydraulic systems		P = 7 MPa, Q = 40 L/min	
Accuracy	X, Y, Z Position accuracy (full travel)	mm	0.020 / 0.015 / 0.015	Under constant temperature ambient
	X, Y, Z Repeat position accuracy	mm	0.018 / 0.012 / 0.012	
Machine dimensions (LxWxH) approximate	mm	2600 x 2400 x 2800		Subject to actual
Total weight (including options) approximate	T	7.9		Subject to actual
Total power (approximate)	KW	30		
CNC control system			Mitsubishi M80A	
Safety guard			Stainless sheet inside	
Equipped LED strip, water gun				
Fill in beam, columns and machine bed with concrete				
Focusseiki logo on spindle, ATC and main machine				