

## VMC1000 Vertical Machining Center

### Vertical machine center

XH714 vertical machining center  
 3 axis are equipped with wide hardened guideway, ensure machine driven stability  
 Taiwan high precision spindle speeds up to 8000rpm  
 Taiwan umbrella plate type A.T.C with 16 tools  
 Coolant system with high flow and high head pump, ensure sufficient cooling at high speed running  
 Totally enclosed, safe and beautiful

Standard configuration:  
 FANUC Oi mate MD CNC system  
 RS232 interface

Optional configuration:  
 FANUC Oi MD or KND-2000M CNC system  
 Disc-type tools magazine capability 16 tools  
 The 4th axis  
 Automatic chip conveyor



Specifications	Units	VMC1200	VMC1000	VMC850	VM850	XH714	XK714
Table travel (X Y X)	mm	1200×600×600	1000×600×500	850×500×500		650×400×500	
Table size	mm	1200×620	1100×600	1000×850		900×400	
Number/Width/Distance of T-slot	mm	5-18-115	5-18-100	5-18-100		3-18-130	
Max. load of table	kg	1000	600	500		400	
Distance from spindle nose to	mm	150-750	150-700	150-650		120-620	
Distance from spindle axis to	mm	660	660	560		510	
Rapid feed speed (X Y Z)	m/min	24/24/18	48/48/36	30/30/24		18/18/18	
Feed speed (X Y Z)	mm/min	2.5-6000	2.5-10000	2.5-10000		2.5-4000	
Taper of spindle		BT40	BT40	BT40		BT40	
Spindle speed range	rpm	40-6000	60-6000	60-6000		40-6000	
Spindle motor power	kw	(AC servo)7.5/11	(AC servo)7.5/11	(AC servo) 7.5		(AC servo)3.7/5.5	
Tool magazine capability	qty	24	20	16		16	
Max. weight of tool	kg	15	8	8		8	
Max. dimension of tool	mm	Φ150×300	Φ130×350	Φ130×300		Φ120×200	
Positioning accuracy	mm	±0.012	±0.015	±0.015	±0.02	±0.012	±0.02
Repeat positioning accuracy	mm	±0.005	±0.0075	±0.0075	±0.01	±0.006	±0.01
Min. time of tool change	sec	3	1.4	2.5		7	
Overall dimension	mm	3250×2500×260	2800×2200×260	2500×2600×2300		2120×2150×2290	
Machine weight	kg	8200	5370	4750	4600	3300	3200