

VHM

SERIES

Horizontal Turning Machining Center



Cutting Speed mm/min

1~10,000

Rapid traverse m/min

VHM-40

36/36/36

VHM-50/ VHM-63/ VHM-80/ VHM-100

24/24/24

VHM-110T/ VHM-1250T

12/12/12

Construction High Performance Machining via High Feed Design and Multi-Table Capability

- With various high-torque or high-speed spindles, it is widely used in valve cutting, turret, crankcase, precision mold and differential machining.
- With dual workstations APC and six-pallet change APC system, it enhances the machine's utilization and realizes fully automatic processing.

Horizontal
Machining



VHM Specification

MODEL		Unit	VHM-50	VHM-63	VHM-80	VHM-100
TRAVEL	X axis	mm	750	1050	1300	1600
	Y axis	mm	750	1000	1200	1300
	Z axis	mm	750	1000	1200	1300
SPINDLE	Distance from Spindle Center to Table	mm	50-800	80-1080	45-1245	35-1335
	Distance from Spindle nose to Table Center	mm	135-885	135-1135	150-1350	250-1550
	Spindle taper		BT50			
	Spindle speed	rpm/min	6000			
	Spindle speed(Opt.)	rpm/min	10000/12000			
	Standard accessory		Direct-driven	Gear Type		
	Optional accessory		Belt-driven	Built-in		
	Spindle motor	kW	FANUC 11/18.5	FANUC 18.5/22	FANUC 22/26	FANUC 22/26
	Max. Spindle Torque	N·m	263/442	644/770	770/910	
TABLE (B axis)	T-slot (Length×Width)	mm	500×500	630×630	800×800	1000×1000
	Min. division angle	deg	1° / 0.001°(Opt.)			
	Reference aperture	mm	Φ55 H7			
	Max. table load	kg	600	1200	2000	
	Number	pcs	2			
ACCURY	Positioning accuracy	arc-sec	6"/ 10"			
	Repeatability	arc-sec	±2"/ ±4"			
	Positioning accuracy	mm	0.01			
	Repeat Positioning accuracy	mm	0.005			
TRANSMISSION	Axial transmission method		Direct-driven			
FEED	Cutting feed rate	mm/min	1-10000			
	Rapid traverse X/Y/Z	m/min	24/24/24			
ATC	ATC capacity	-	40/60(Opt.)			
	Tool selection method	-	Random			
	Tool change	-	Arm type			
	Max. tool weight	kg	20	25		
	Max. tool length	mm	450	500	600	
	Max. tool diameter(next empty)	mm	Φ105/200	Φ125/225		
	Tool shank	-	BT/CAT/DIN #50			
OTHERS	Pneumatic requirement	kgf/cm²	6			
	Power requirement	KVA	45	70	75	
	Tank capacity	L	700	800		
	Machine weight	kg	15000	20000	22000	25000
	Max. space(L×W)	mm	6505×3625	7340×4100	8425×4190	8830×4820
	Machine height	mm	3055	3465	3735	3835

* For details, please refer to Machine Specification.

* The manufacture reserves the right to modify the design, specifications mechanisms, etc.