



VMC650E
VMC850E
VMC1000E



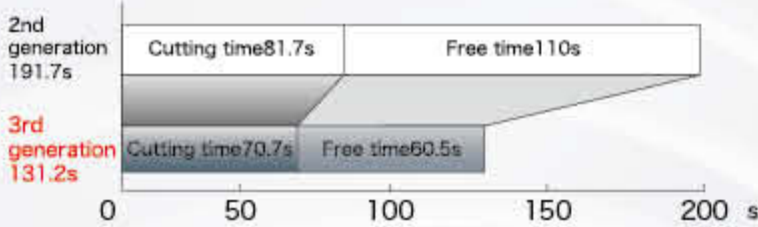
VMC E

VERTICAL MACHINING CENTER

SHENYANG MACHINE TOOL CO., LTD.

Excellent experience after update

Machining Performance Comparison



60.5s
31.6%
shorter



Magazine update:



7s
2.5s



Efficiency increase
65%

Controller update:



	2nd generation	3rd generation
Yaxis motor model	β 12	β 22
Yaxis motor torque	11Nm	20Nm

Increase
80%

Spindle update:



Rigidity increase
30%

Longer spindle, stronger rigidity



Main Specifications

Item		Unit	VMC650E	VMC850E	VMC1000E	
Worktable	Dimensions	mm	900×420	1000×500	1150×500	
	Max Load	kg	600	600	600	
	T-slot Sizes	mm × ↑	18×3	18×5	18×5	
Machining Range	X-axis Max Travel	mm	650	850	1000	
	Y-axis Max Travel	mm	400	500	500	
	Z-axis Max Travel	mm	500	540	540	
	Distance from Spindle Nose to Worktable	mm	130-630	150-690	150-690	
Spindle	Bore (7:24)		BT40	BT40	BT40	
	Speed Range	r/min	50-8000	50-8000	50-8000	
	Max Output Torque	N.m	35.8	35.8	35.8	
	Spindle Motor Power	kW	7.5/11	7.5/11	7.5/11	
	Distance from Spindle Center to Guideway Surface of Column	mm	530	580	580	
	Drive Mode		Belt driving	Belt driving	Belt driving	
Feed	Feed Speed	m/min	20	20	20	
	Rapid Traverse	X-axis	m/min	32	32	32
		Y-axis	m/min	32	32	32
		Z-axis	m/min	30	30	30
Tool Magazine	Type		mechanical arm	mechanical arm	mechanical arm	
	Quantity	pcs	24	24	24	
	Max Tool Length	mm	200	250	250	
	Max Tool Weight	kg	7	7	7	
	Change Time	s	2.5	2.5	2.5	
	Max Tool Pan Diameter	Full Adjacent Station	mm	∅ 80	∅ 80	∅ 80
Empty Adjacent Station		mm	∅ 125	∅ 125	∅ 125	
Positioning Accuracy	X/Y/Z-axis	JISB6336 - 4 :2010	mm	0.020/0.015/0.015	0.020/0.015/0.015	0.020/0.015/0.015
		GB/T18400.4-2010	mm	0.020/0.015/0.015	0.020/0.015/0.015	0.020/0.015/0.015
Repositioning Accuracy	X/Y/Z-axis	JISB6336 - 4 :2010	mm	0.012/0.010/0.010	0.012/0.010/0.010	0.012/0.010/0.010
		GB/T18400.4-2010	mm	0.012/0.010/0.010	0.012/0.010/0.010	0.012/0.010/0.010
Power Supply	Power Capacity	KVA	18	18	18	
	Air pressure	Mpa	0.5-0.7	0.5-0.7	0.5-0.7	
Overall Dimensions (L x W x H)		mm	2563×2370×2566	2931×2201×2622	3300×2400×3000	
Weight		kg	5000	5800	6000	
CNC System			FANUC	FANUC	FANUC	

Note: The parameters in the above list are just for reference, actual values may differ.

Standard Accessories

Full-enclosure
Coolant System
Pneumatic System
Heat Exchanger
Spindle Bore Clearing System
Automatic Lubrication
Mechanical Arm 24T Tool Magazine
Air Gun
CNC System: FANUC Oi Mate MD

Optional Configuration

Air Conditions
Water Gun
4th Axis Rotary Table
Chain-type Chip Conveyor

SHENYANG MACHINE TOOL CO., LTD.

CHINA CZECHOSLOVAKIA VERTICAL MACHINING CENTER DIVISION

