

VX700/40 / VX700/50



Vertical Machining Center

The fastest, the most powerful and advanced high class vertical machining center

- High speed 24 tools capacity Twin Arm ATC(T-T)
- VX700/40 : 2.0sec - VX700/50 : 3.0sec
- All axes non-lubrication roller guide were adopted
- Oil-air lubrication, high capacity bed flushing, and spiral conveyor were adopted as standard feature
- High performance SINUMERIK 840D CNC controller

			VX700/40	VX700/50
Table Size (length x width)		mm [in]	1,600 × 750 [63x29.5]	1,600 × 700 [63x27.6]
Table Load		kgf [lbs]	2,000 [4,409]	2,000 [4,409]
Travel	X		1,400 [55.1]	1,350 [53.2]
	Y	mm [in]	750 [29.5]	700 [27.6]
	Z		650 [1,433]	650 [1,433]
Spindle Taper		mm [in]	NT # 40	NT # 50
Spindle Speed	STD	rpm	15,000	10,000
Spindle Power	Main	kw [hp]	26/26 [34.9/34.9]	27.5/20 [36.9/26.8]
Rapid Traverse	X,Y axis	m/min [ipm]	24 [945]	24 [945]
	Z axis		24 [945]	24 [945]
Tool Storage Capacity	STD		24	24
	OPT	EA	36	36

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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VX700/40 / VX700/50

Specification

ITEM			VX700/40	VX700/50	
TABLE	Size (length x width)		mm [in]	1,600 × 750 [63x29.5]	1,600 × 700 [63x27.6]
	Max. load on table		kgf [lbs]	2,000 [4,409]	2,000 [4,409]
	Table type			T-slot	T-slot
TRAVEL	Table longitudinal	X	mm [in]	1,400 [55.1]	1,350 [53.2]
	Table cross	Y		750 [29.5]	700 [27.6]
	Spindle head verticle	Z		650 [1,433]	650 [1,433]
	Tilting	A	degree	-	-
	Rotating	C		-	-
	Distance from column to spindle center			745 [29.3]	745 [29.3]
	Distance from table surface to spindle nose			150 ~ 800 [5.9~31.5]	150 ~ 800 [5.9~31.5]
SPINDLE	Taper			NT # 40	NT # 50
	Speed	STD	rpm	15,000	
		OPT		10,000	
	Power	STD	kw [hp]	26/26 [34.9/34.9]	
		OPT		27.5/20 [36.9/26.8]	
	Torque	STD	kgf-m [ft-lbs]	7.7 [55.7]	
OPT		40.2 [290.8]			
Spindle Drive		STD	Built-in	Gear head	
FEED	Rapid	X,Y axis	m/min [ipm]	24 [945]	
		Z axis		24 [945]	
	Tilting	A	rpm	-	
	Rotating	C		-	
Cutting feed rate			m/min [ipm]	16 [630]	10 [394]
ATC	Type			twin arm	twin arm
	Tool storage capacity	STD	EA	24	
		OPT		36	
	Max. tool diameter		mm [in]	100 [3.9]	
	Max. tool diameter (without adjacent tool)			150 [5.9]	
	Max. tool length			300 [11.8]	
	Max. tool weight		kgf [lbs]	8 [17.6]	
	Tool selection type			Random	Random
Tool change time	tool to tool chip to chip	sec.	2.0		
			6.0		
MOTOR	Spindle	Main	kw [hp]	26/26 [34.9/34.9]	
	Feed	X / Y		8.5/8.5 [11.4/11.4]	
		Z / B		8.5 [11.4]	
Coolant					
APC	Pallet change type				
	Pallet change time		sec.		
Coolant through spingle (Option)				30 bar	30 bar
Rigid tapping				STD	STD
Electric capacity			kVA	65	65
Floor space			mm [in]	4,000 × 3,850 [157.5x151.6]	3,650 × 3,500 [143.7x137.8]
Slide way				LM guide	LM guide
Machine weight			kgf [lbs]	12,500 [27,557]	13,500 [29,762]
Controller			STD	SIEMENS 840D	FANUC 21iM
			OPT		

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