

# VX950M / VX950MH



## Vertical Machining Center

### New Face in Mold Machining Field

High precision Vertical Machining Center for the Heavy duty cutting, as well as the mold cutting with extremely minimized vibration from the spindle side with the high performance and rigid mechanism, and the powerful strong geared spindle head.

			VX950M	VX950MH
Table Size (length x width)		mm [in]	2,700 × 950 [106.3x37.4]	2,700 × 950 [106.3x37.4]
Table Load		kgf [lbs]	4,500 [9,921]	4,500 [9,921]
Travel	X		2,450 [96.5]	2,450 [96.5]
	Y	mm [in]	950 [37.4]	950 [37.4]
	Z		850 [33.5]	850 [33.5]
Spindle Taper		mm [in]	NT # 50	NT # 50
Spindle Speed	STD	rpm	8,000	8,000
Spindle Power	Main	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]
Rapid Traverse	X, Y axis	m/min [ipm]	16 [630]	16 [630]
	Z axis		20 [787]	20 [787]
Tool Storage Capacity	STD		20	20
	OPT	EA	30	30

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE  
AMERICA CORP.**

Power of Evolution

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# VX950M / VX950MH

## Specification

ITEM			VX950M	VX950MH	
<b>TABLE</b>	Size (length x width)		mm [in]	2,700 × 950 [106.3x37.4]	2,700 × 950 [106.3x37.4]
	Max. load on table		kgf [lbs]	4,500 [9,921]	4,500 [9,921]
	Table type			T-slot	T-slot
<b>TRAVEL</b>	Table longitudinal	X	mm [in]	2,450 [96.5]	2,450 [96.5]
	Table cross	Y		950 [37.4]	950 [37.4]
	Spindle head verticle	Z		850 [33.5]	850 [33.5]
	Tilting	A	degree	-	-
	Rotating	C		-	-
	Distance from column to spindle center			1,000 [39.4]	1,000 [39.4]
	Distance from table surface to spindle nose			200 ~ 1,050 [7.9~41.3]	200 ~ 1050 [7.9~41.3]
<b>SPINDLE</b>	Taper			NT # 50	BBT # 50
	Speed	STD	rpm	8,000	12,000
		OPT		-	-
	Power	STD	kw [hp]	22/18.5 [29.5/24.8]	30/25 [40.2/33.5]
		OPT		-	22/18.5 [29.5/24.8]
	Torque	STD	kgf-m [ft-lbs]	79.7 [576.5]	42.9 [310.3]
OPT		-		-	
Spindle Drive		STD	Geard head	Built-in	
<b>FEED</b>	Rapid	X,Y axis	m/min [ipm]	16 [630]	16 [630]
		Z axis		20 [787]	20 [787]
	Tilting	A	rpm	-	-
	Rotating	C		-	-
Cutting feed rate			m/min [ipm]	10 [394]	10 [394]
<b>ATC</b>	Type			twin arm	twin arm
	Tool storage capacity	STD	EA	20	20
		OPT		30	30
	Max. tool diameter		mm [in]	125 [4.9]	125 [4.9]
	Max. tool diameter (without adjacent tool)			240 [9.5]	240 [9.5]
	Max. tool length			300 [11.8]	300 [11.8]
	Max. tool weight		kgf [lbs]	20 [44.1]	20 [44.1]
	Tool selection type			Random	Random
Tool change time	tool to tool chip to chip	sec.	3.5	3.5	
			10.0	10.0	
<b>MOTOR</b>	Spindle	Main	kw [hp]	22/18.5 [29.5/24.8]	30/25 [40.2/33.5]
	Feed	X / Y		6/9 [8/12.1]	6/9 [8/12.1]
		Z / B		6 [8]	6 [8]
Coolant					
<b>APC</b>	Pallet change type				
	Pallet change time		sec.		
<b>Coolant through spingle (Option)</b>				30 bar	30 bar
<b>Rigid tapping</b>				STD	STD
<b>Electric capacity</b>			kVA	40	45
<b>Floor space</b>			mm [in]	6,100 × 4,430 [240.2x174.4]	6,100 × 4,430 [204.2x174.4]
<b>Slide way</b>				Box way	Box way
<b>Machine weight</b>			kgf [lbs]	23,500 [51,808]	23,500 [51,808]
<b>Controller</b>			STD	FANUC 18iMB	FANUC 18iMB
			OPT		

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