

# SKT-V3R/L / SKT-V3R/LM



## Vertical Turning Center

Flexible, Productive Automation System  
Vertical Turning Center

- Heavy Duty cutting, highly stabilized spindle structure (Loading & clamping by self-weight structure)
- One piece column, square type stabilized structure
- Variety accessories can be adopted for flexible machining
- The most Mechanical, Electrical, and hydraulically optimized machine structure
- Design space arrangement for easy Chip Flow

		SKT-V3R/L	SKT-V3R/LM
Chuck Size	inch	12	12
Swing over the bed	mm [in]	620 [24.4]	620 [24.4]
Maximum turning length	mm [in]	420 [16.5]	400 [15.8]
Bar capacity	mm [in]	-	-
Travel	X	315 [12.4]	315 [12.4]
	Y	-	-
	Z	425 [16.7]	425 [16.7]
	ZB	-	-
Main spindle speed	rpm	3,000	3,000
Rapid Traverse	X axis	20 [787]	20 [787]
	Y axis	-	-
	Z axis	24 [945]	24 [945]
	ZB axis	-	-
	C axis	-	-
Power main	Main kw [hp]	18.5/15 [24.8/20.1]	18.5/15 [24.8/20.1]

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE  
AMERICA CORP.**

Power of Evolution

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## Specification

ITEM			SKT-V3R/L	SKT-V3R/LM	
<b>CHUCK</b>	Standard size		inch	12	
	Optional size			12	
<b>CAPACITY</b>	Swing over the bed			620 [24.4]	
	Swing over the cross slide			450 [17.7]	
	Maximum turning diameter	Turning	mm [in]	420 [16.5]	430 [16.9]
		Milling		-	400 [15.8]
	Maximum turning length			420 [16.5]	400 [15.8]
Bar capacity			-	-	
<b>TRAVEL</b>	Axis	X	mm [in]	315 [12.4]	315 [12.4]
		Y		-	-
		Z		425 [16.7]	425 [16.7]
		ZB		-	-
<b>MAIN SPINDLE</b>	Maximum spindle speed		rpm	3,000	3,000
	Spindle nose			A2-8	A2-8
	Spindle bore		mm [in]	62.4 [2.46]	62.4 [2.46]
	Maximum spindle torque		kgf-m [ft-lbs]	54.8 [396.4]	54.8 [396.4]
	Speed drive			BELT	BELT
<b>SUB SPINDLE</b>	Chuck size		mm [in]	N/A	N/A
	Maximum spindle speed		rpm		
	Spindle nose				
	Spindle bore		mm [in]		
	Bar capacity		mm [in]		
	Maximum spindle torque		kgf-m [ft-lbs]		
<b>TOOL POST</b>	Type			NC Servo(B/H)	NC Servo(B/H)
	Number of tool		EA	8	12
	Tool Size	O.D	mm [in]	25 [1]	25 [1]
		I.D		40 [1 1/2]	40 [1 1/2]
	Turret clamping force		kgf-m [ft-lbs]	4,520 [9,965]	4,520 [9,965]
	Turret indexing time (1 face)		sec.	0.5	0.5
<b>MILLING TOOL</b>	Type			N/A	BMT65
	Max. speed		rpm		3,000
	Motor power		kw [hp]		3.7/2.2 [5/3]
<b>FEED</b>	Rapid traverse rate	X axis	m/min [in]	20 [787]	20 [787]
		Y axis		-	-
		Z axis		24 [945]	24 [945]
		ZB axis		-	-
		C axis		-	-
<b>TAIL STOCK</b>	Type			N/A	N/A
	Quill bore taper		-		
	Quill diameter				
	Quill travel		mm [in]		
Tail stock travel					
<b>MOTOR</b>	Spindle	Main	kw [hp]	18.5/15 [24.8/20.1]	18.5/15 [24.8/20.1]
		Sub		-	-
	Feed	X/Z		3.0/4.0 [4/5.4]	3.0/4.0 [4/5.4]
		Y/ZB		-	-
Coolant					
<b>Bed slant</b>		deg.			
<b>Slide way</b>			Ball guide	Ball guide	
<b>Power capacity</b>	Fanuc	kVA	47	47	
	Siemens				
<b>Floor space (LxW)</b>	Fanuc	mm [in]	2,315 × 1,535 [91.1 × 60.4]	2,315 × 1,535 [91.1 × 60.4]	
	Siemens				
<b>Weight</b>		kgf [lbs]	5,800 [12,787]	5,800 [12,787]	
<b>Controller</b>		STD	Fanuc 21iT	Fanuc 21iT	
		OPT			

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