

# SKT28 / SKT28L / SKT28LM



## Gang Type CNC Turning Center

New Leader of Medium and Large Size  
CNC Turning Center

- More Powerful For Higher Productivity
- Spindle Construction with 130mm (5.12") cylindrical roller and double angular contact ball bearing
- Rigid and reliable servo turret index
- High accuracy and high rigidity machine

			SKT28	SKT28L	SKT28LM
Chuck Size	inch		10	10	10
Swing over the bed	mm [in]		590 [23.2]	590 [23.2]	650 [25.6]
Maximum turning length	mm [in]		720 [28.4]	1,070 [42.1]	1,000 [39.4]
Bar capacity	mm [in]		76 [2.99]	76 [2.99]	76 [2.99]
Travel	X	mm [in]	220 [8.7]	220 [8.7]	220 [8.7]
	Y		-	-	-
	Z		750 [29.5]	1100 [43.3]	1020 [40.2]
	ZB		-	-	-
Main spindle speed	rpm		3,000	3,000	3,500
Rapid Traverse	X axis	m/min [ipm]	20 [787]	20 [787]	20 [787]
	Y axis		-	-	-
	Z axis		24 [945]	24 [945]	24 [945]
	ZB axis		-	-	-
	C axis		-	-	100
Power main	Main	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]

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**HYUNDAI-KIA MACHINE  
AMERICA CORP.**

Power of Evolution

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## Specification

ITEM			SKT28	SKT28L	SKT28LM	
<b>CHUCK</b>	Standard size	inch	10	10	10	
	Optional size					
<b>CAPACITY</b>	Swing over the bed	mm [in]	590 [23.2]	590 [23.2]	650 [25.6]	
	Swing over the cross slide		375 [14.8]	375 [14.8]	415 [16.3]	
	Maximum turning diameter		Turning	410 [16.1]	410 [16.1]	300 [11.8]
			Milling	-	-	264 [10.4]
	Maximum turning length		720 [28.4]	1,070 [42.1]	1,000 [39.4]	
Bar capacity	76 [2.99]	76 [2.99]	76 [2.99]			
<b>TRAVEL</b>	Axis	X	220 [8.7]	220 [8.7]	220 [8.7]	
		Y	-	-	-	
		Z	750 [29.5]	1100 [43.3]	1020 [40.2]	
		ZB	-	-	-	
<b>MAIN SPINDLE</b>	Maximum spindle speed	rpm	3,000	3,000	3,500	
	Spindle nose		A2-8	A2-8	A2-8	
	Spindle bore	mm [in]	95 [3.74]	95 [3.74]	95 [3.74]	
	Maximum spindle torque	kgf-m [ft-lbs]	74.4 [538.1]	74.4 [538.1]	50.3 [363.8]	
	Speed drive		BELT	BELT	BELT	
<b>SUB SPINDLE</b>	Chuck size	mm [in]	N/A	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>	Speed drive					
	Type		NC Servo(B/H)	NC Servo(B/H)	NC servo(VDI)	
	Number of tool	EA	10	10	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]	25 [1.0]
		I.D	mm [in]	50 [2.0]	50 [2.0]	50 [2.0]
Turret clamping force	kgf-m [ft-lbs]	5,725 [12,621]	5,725 [12,621]	4,520 [9,965]		
Turret indexing time (1 face)	sec.	0.3	0.3	0.3		
<b>MILLING TOOL</b>	Type		N/A	N/A	VDI40	
	Max. speed	rpm			4,000	
	Motor power	kw [hp]			5.5/3.7	
<b>FEED</b>	Rapid traverse rate	X axis	m/min [in]	20 [787]	20 [787]	20 [787]
		Y axis	-	-	-	
		Z axis	24 [945]	24 [945]	24 [945]	
		ZB axis	-	-	-	
		C axis	-	-	100	
<b>TAIL STOCK</b>	Type		Tow along	Tow along	Tow along	
	Quill bore taper	-	MT#5	MT#5	MT#5	
	Quill diameter	mm [in]	100 [3.9]	100 [3.9]	100 [3.9]	
	Quill travel	mm [in]	120 [4.7]	120 [4.7]	120 [4.7]	
	Tail stock travel	mm [in]	570 [22.4]	920 [36.2]	920 [36.2]	
<b>MOTOR</b>	Spindle	Main	kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]
		Sub	-	-	-	
	Feed	X/Z	3.0/4.0 [4.0/5.4]	3.0/4.0 [4.0/5.4]	3.0/4.0 [4.0/5.4]	
		Y/ZB	-	-	-	
Coolant						
<b>Bed slant</b>		deg.	60°	60°	60°	
<b>Slide way</b>			Roller guide	Roller guide	Roller guide	
<b>Power capacity</b>	Fanuc	kVA	25	25	30	
	Siemens					
<b>Floor space (LxW)</b>	Fanuc	mm [in]	3,010x1,812 [118.5 x 71.3]	3,620x1,812 [142.5 x 71.3]	3,670 x 1,812 [144.5 x 71.3]	
	Siemens					
<b>Weight</b>		kgf [lbs]	6,100 [13,448]	7,900 [17,416]	8,000 [17,637]	
<b>Controller</b>	STD		FANUC 0iT	FANUC 0iT	FANUC 0iT	
	OPT		FANUC 21iT	FANUC 21iT	FANUC 21iT	

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