

SKT280 / SKT280L



CNC Turning Center

High Grade CNC Turning Center

- 3 layers solid structure bed, and the large saddle with no turret overhang make SKT25/300 as the perfect idealistic machine for the heavy duty cutting.
- High torque and the wide power range spindle drive system (2 Steps Geared Head) with all axes box way complete perfect design.

		SKT280	SKT280L
Chuck Size	inch	10	10
Swing over the bed	mm [in]	560 [22.1]	560 [22.1]
Maximum turning length	mm [in]	550 [21.7]	1,050 [41.3]
Bar capacity	mm [in]	76 [2.99]	76 [2.99]
Travel	X	230 [9.1]	230 [9.1]
	Y	-	-
	Z	600 [23.6]	1,100 [43.3]
	ZB		
Main spindle speed	rpm	3,500	3,500
Rapid Traverse	X axis	18 [709]	18 [709]
	Y axis	-	-
	Z axis	24 [945]	24 [945]
	ZB axis		
	C axis		
Power main	Main kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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Specification

ITEM			SKT280	SKT280L	
CHUCK	Standard size	inch	10	10	
	Optional size				
CAPACITY	Swing over the bed	mm [in]	560 [22.1]	560 [22.1]	
	Swing over the cross slide		480 [18.9]	480 [18.9]	
	Maximum turning diameter		410 [15.7]	410 [15.7]	
	Turning Milling				
	Maximum turning length		550 [21.7]	1,050 [41.3]	
Bar capacity		76 [2.99]	76 [2.99]		
TRAVEL	Axis	X	230 [9.1]	230 [9.1]	
		Y	-	-	
		Z	600 [23.6]	1,100 [43.3]	
		ZB			
MAIN SPINDLE	Maximum spindle speed	rpm	3,500	3,500	
	Spindle nose		A2-8	A2-8	
	Spindle bore	mm [in]	86 [3.39]	86 [3.39]	
	Maximum spindle torque	kgf-m [ft-lbs]	50.3 [363.8]	50.3 [363.8]	
	Speed drive		BELT	BELT	
SUB SPINDLE	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]			
TOOL POST	Speed drive				
	Type		NC Servo	NC Servo	
	Number of tool	EA	10	10	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]
		I.D	mm [in]	50 [2.0]	50 [2.0]
Turret clamping force	kgf-m [ft-lbs]	4,520 [9,965]	4,520 [9,965]		
Turret indexing time (1 face)	sec.	0.3	0.3		
MILLING TOOL	Type		N/A	N/A	
	Max. speed	rpm			
	Motor power	kw [hp]			
FEED	Rapid traverse rate	X axis	18 [709]	18 [709]	
		Y axis	-	-	
		Z axis	24 [945]	24 [945]	
		ZB axis			
		C axis			
TAIL STOCK	Type		Tow along	Tow along	
	Quill bore taper	-	MT#5	MT#5	
	Quill diameter		85 [3.4]	110 [4.3]	
	Quill travel	mm [in]	80 [3.2]	100 [3.9]	
	Tail stock travel		490 [19.3]	990 [39.0]	
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		Sub			
	Feed	X/Z	3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]	
		Y/ZB			
Coolant					
Bed slant		deg.	45°	45°	
Slide way			Box way	Box way	
Power capacity	Fanuc	kVA	33	33	
	Siemens				
Floor space (LxW)	Fanuc	mm [in]	3,030 × 1,722 [119.3 × 67.8]	3,615 × 1,722 [142.3 × 67.8]	
	Siemens				
Weight		kgf [lbs]	4,300 [9,480]	5,100 [11,243]	
Controller		STD	FANUC 0iT	FANUC 0iT	
		OPT			

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