

# SKT21 / SKT21L / SKT21LM / SKT21LS / SKT21LMS



## CNC Turning Center

High Productivity, Versatile & Integrated Lathe

- High Speed, High Accuracy
- High Rigidity, ensures Long Tool Life and Machining Accuracy
- Integrated Operation
- Easy Control
- Convenient Operation

		SKT21	SKT21L	SKT21LM	SKT21LS	SKT21LMS
Chuck Size	inch	8	8	8	8	8
Swing over the bed	mm [in]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]
Maximum turning length	mm [in]	410 [16.1]	530 [20.9]	530 [20.9]	530 [20.9]	530 [20.9]
Bar capacity	mm [in]	65 [2.56]	65 [2.56]	65 [2.56]	65 [2.56]	65 [2.56]
Travel	X	210 [8.3]	210 [8.3]	210 [8.3]	210 [8.3]	210 [8.3]
	Y	-	-	-	-	-
	Z	430 [16.9]	550 [21.7]	550 [21.7]	550 [21.7]	550 [21.7]
	ZB	-	-	-	750 [29.5]	750 [29.5]
Main spindle speed	rpm	4,000	4,000	4,000	4,000	4,000
Sub spindle speed	rpm				6,000	6,000
Rapid Traverse	X axis	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]
	Y axis	-	-	-	-	-
	Z axis	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]	36 [1,417]
	ZB axis	-	-	-	30 [1,181]	30 [1,181]
	C axis	-	-	100	-	100
Power main	Main	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]	15/11 [20.1/14.7]
	Sub	-	-	-	3.7/2.2 [5.0/3.0]	3.7/2.2 [5.0/3.0]

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE  
AMERICA CORP.**

Power of Evolution

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# SKT21 / SKT21L / SKT21LM

## Specification

ITEM			SKT21	SKT21L	SKT21LM
<b>CHUCK</b>	Standard size		inch	8	8
	Optional size				
<b>CAPACITY</b>	Swing over the bed		mm [in]	550 [21.7]	550 [21.7]
	Swing over the cross slide			350 [13.8]	350 [13.8]
	Maximum turning diameter	Turning		350 [13.8]	350 [13.8]
		Milling		-	-
	Maximum turning length			410 [16.1]	530 [20.9]
Bar capacity			65 [2.56]	65 [2.56]	
<b>TRAVEL</b>	Axis	X	mm [in]	210 [8.3]	210 [8.3]
		Y		-	-
		Z		430 [16.9]	550 [21.7]
		ZB		-	-
<b>MAIN SPINDLE</b>	Maximum spindle speed		rpm	4,000	4,000
	Spindle nose			A2-6	A2-6
	Spindle bore		mm [in]	78 [3.07]	78 [3.07]
	Maximum spindle torque		kgf-m [ft-lbs]	29.22 [211.3]	29.22 [211.4]
	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]		
	Speed drive				
<b>TOOL POST</b>	Type			NC Servo(B/H)	NC Servo(B/H)
	Number of tool		EA	12	12
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]
		I.D		40 [1 1/2]	40 [1 1/2]
	Turret clamping force		kgf-m [ft-lbs]	3,390 [7,474]	3,390 [7,474]
Turret indexing time (1 face)		sec.	0.2	0.2	
<b>MILLING TOOL</b>	Type			N/A	VDI40
	Max. speed		rpm		4,000
	Motor power		kw [hp]		3.7/2.2
<b>FEED</b>	Rapid traverse rate	X axis	m/min [in]	36 [1,417]	36 [1,417]
		Y axis		-	-
		Z axis		36 [1,417]	36 [1,417]
		ZB axis		-	-
		C axis		-	100
<b>TAIL STOCK</b>	Type			One touch	One touch
	Quill bore taper		-	MT#4	MT#4
	Quill diameter		mm [in]	56 [2.2]	56 [2.2]
	Quill travel			-	-
	Tail stock travel			400 [15.8]	520 [20.5]
<b>MOTOR</b>	Spindle	Main	kw [hp]	15/11 [20.1/14.7]	15/11 [20.1/14.7]
		Sub		-	-
	Feed	X/Z		3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]
		Y/ZB			
Coolant					
<b>Bed slant</b>		deg.	45°	45°	
<b>Slide way</b>			Roller guide	Roller guide	
<b>Power capacity</b>	Fanuc	kVA	25	25	
	Siemens			30	
<b>Floor space (LxW)</b>	Fanuc	mm [in]	2,405 × 1,650 [94.7 × 65.0]	2,900 × 1,650 [114.2x65.0]	
	Siemens			3,045 × 1,650 [119.9 × 65.0]	
<b>Weight</b>		kgf [lbs]	4,100 [9,039]	4,200 [9,259]	
<b>Controller</b>	STD		FANUC 0iT	FANUC 0iT	
	OPT		FANUC 21iT	FANUC 21iT	

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# SKT21LS / SKT21LMS

## Specification

ITEM			SKT21LS	SKT21LMS	
<b>CHUCK</b>	Standard size	inch	8	8	
	Optional size				
<b>CAPACITY</b>	Swing over the bed	mm [in]	550 [21.7]	550 [21.7]	
	Swing over the cross slide		350 [13.8]	350 [13.8]	
	Maximum turning diameter		350 [13.8]		
	Turning Milling		-	255 [10.0]	
	Maximum turning length		530 [20.9]	530 [20.9]	
Bar capacity		65 [2.56]	65 [2.56]		
<b>TRAVEL</b>	Axis	X	210 [8.3]	210 [8.3]	
		Y	-	-	
		Z	550 [21.7]	550 [21.7]	
		ZB	750 [29.5]	750 [29.5]	
<b>MAIN SPINDLE</b>	Maximum spindle speed	rpm	4,000	4,000	
	Spindle nose		A2-6	A2-6	
	Spindle bore	mm [in]	78 [3.07]	78 [3.07]	
	Maximum spindle torque	kgf-m [ft-lbs]	29.22 [211.4]	29.22 [211.4]	
	Speed drive		BELT	BELT	
<b>SUB SPINDLE</b>	Chuck size	mm [in]	135 [5]	135 [5]	
	Maximum spindle speed	rpm	6,000	6,000	
	Spindle nose		Flat( 115)	Flat( 115)	
	Spindle bore	mm [in]	43 [1.69]	43 [1.69]	
	Bar capacity	mm [in]	33 [1.3]	33 [1.3]	
	Maximum spindle torque	kgf-m [ft-lbs]	2.4 [17.4]	2.4 [17.4]	
	Speed drive		SERVO	SERVO	
<b>TOOL POST</b>	Type		NC Servo(B/H)	NC servo(VDI)	
	Number of tool	EA	12	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]
		I.D	mm [in]	40 [1 1/2]	40 [1 1/2]
	Turret clamping force	kgf-m [ft-lbs]	3,390 [7,474]	3,390 [7,474]	
Turret indexing time (1 face)	sec.	0.2	0.2		
<b>MILLING TOOL</b>	Type		N/A	VDI40	
	Max. speed	rpm		4,000	
	Motor power	kw [hp]		3.7/2.2	
<b>FEED</b>	Rapid traverse rate	X axis	36 [1,417]	36 [1,417]	
		Y axis	-	-	
		Z axis	36 [1,417]	36 [1,417]	
		ZB axis	30 [1,181]	30 [1,181]	
		C axis	-	100	
<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	15/11 [20.1/14.7]	15/11 [20.1/14.7]	
		Sub	3.7/2.2 [5.0/3.0]	3.7/2.2 [5.0/3.0]	
	Feed	X/Z	3.0/3.0 [4.0/4.0]	3.0/3.0 [4.0/4.0]	
		Y/ZB			
Coolant					
<b>Bed slant</b>		deg.	45°	45°	
<b>Slide way</b>			Roller guide	Roller guide	
<b>Power capacity</b>	Fanuc	kVA	30	30	
	Siemens				
<b>Floor space (LxW)</b>	Fanuc	mm [in]	3,045 × 1,650 [119.9 × 65.0]	3,045 × 1,650 [119.9 × 65.0]	
	Siemens				
<b>Weight</b>		kgf [lbs]	4,300 [9,480]	4,400 [9,700]	
<b>Controller</b>		STD	FANUC 0iT	FANUC 0iT	
		OPT	FANUC 21iT	FANUC 21iT	

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