

SKT400 / SKT400M / SKT400C / SKT400LC / 400LMC



CNC Turning Center

High Accuracy, Integrated next generation CNC Lathes

- Extremely minimized heat distortion main spindle structure
- High Accuracy, High Speed, High Rigid, and Highly reliable spindle structure
- High accuracy pretension double anchors structure
- Maintain super accuracy during heavy duty cutting by adopting built-in Tail Stock design

		SKT400	SKT400M	SKT400C	SKT400LC	SKT400LC
Chuck Size	inch	12	12	15	15	15
Swing over the bed	mm [in]	780 [30.7]	780 [30.7]	780 [30.7]	725 [28.5]	725 [28.5]
Maximum turning length	mm [in]	1,200 [47.2]	1,180 [46.5]	1,170 [46.1]	2,120 [83.5]	2,100 [82.7]
Bar capacity	mm [in]	90 [3.54]	90 [3.54]	117 [4.61]	117 [4.61]	117 [4.61]
Travel	X	325 [12.8]	325 [12.8]	325 [12.8]	320 [12.6]	320 [12.6]
	Y	-	-	-	-	-
	Z	1,205 [47.4]	1,205 [47.4]	1,205 [47.4]	2,200 [86.6]	2,200 [86.6]
	ZB	-	-	-	-	-
Main spindle speed	rpm	3,000	3,000	2,000	2,000	2,000
Rapid Traverse	X axis	20 [787]	20 [787]	20 [787]	20 [787]	20 [787]
	Y axis	-	-	-	-	-
	Z axis	25 [984]	25 [984]	25 [984]	20 [787]	20 [787]
	ZB axis	-	-	-	-	-
	C axis	-	100	-	-	100
Power main	Main	26/22 [34.9/29.5]	30/22 [40.2/29.5]	26/22 [34.9/29.5]	37/30 [49.6/40.2]	37/30 [49.6/40.2]

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**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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SKT400 / SKT400M / SKT400C

Specification

ITEM			SKT400	SKT400M	SKT400C	
CHUCK	Standard size	inch	12	12	15	
	Optional size					
CAPACITY	Swing over the bed	mm [in]	780 [30.7]	780 [30.7]	780 [30.7]	
	Swing over the cross slide		535 [21.1]	535 [21.1]	535 [21.1]	
	Maximum turning diameter		Turning	640 [25.2]	570 [22.4]	630 [24.8]
			Milling	-	-	-
	Maximum turning length		1,200 [47.2]	1,180 [46.5]	1,170 [46.1]	
Bar capacity	90 [3.54]	90 [3.54]	117 [4.61]			
TRAVEL	Axis	X	325 [12.8]	325 [12.8]	325 [12.8]	
		Y	-	-	-	
		Z	1,205 [47.4]	1,205 [47.4]	1,205 [47.4]	
		ZB	-	-	-	
			-	-	-	
MAIN SPINDLE	Maximum spindle speed	rpm	3,000	3,000	2,000	
	Spindle nose		A2-8	A2-8	A2-11	
	Spindle bore	mm [in]	104 [4.09]	104 [4.09]	130 [5.12]	
	Maximum spindle torque	kgf-m [ft-lbs]	135(193.6) [976.4](1,400.3)	81.4(58) [588.8](419.5)	185.9 [1,344.6]	
	Speed drive		2 Step Geared	BELT	2 Step Geared	
SUB SPINDLE	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]				
	Speed drive					
TOOL POST	Type		NC Servo(B/H)	NC Servo(B/H)	NC Servo(B/H)	
	Number of tool	EA	12	12	10	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]	32 [1 1/4]
		I.D	50 [2.0]	50 [2.0]	50 [2.0]	
	Turret clamping force	kgf-m [ft-lbs]	11,220 [24,735]	11,220 [24,735]	11,220 [24,735]	
Turret indexing time (1 face)	sec.	0.3	0.3	0.3		
MILLING TOOL	Type		N/A	VDI50[BMT75]	N/A	
	Max. speed	rpm		4,000		
	Motor power	kw [hp]		7.5/5.5 [10/7.4]		
FEED	Rapid traverse rate	X axis	m/min [in]	20 [787]	20 [787]	20 [787]
		Y axis	-	-	-	
		Z axis	25 [984]	25 [984]	25 [984]	
		ZB axis	-	-	-	
		C axis	-	100	-	
TAIL STOCK	Type		Tow along	Tow along	Tow along	
	Quill bore taper	-	MT#4	MT#4	MT#4	
	Quill diameter	mm [in]	100 [3.9]	100 [3.9]	100 [3.9]	
	Quill travel	130 [5.1]	130 [5.1]	130 [5.1]		
	Tail stock travel	1,100 [43.3]	1,100 [43.3]	1,100 [43.3]		
MOTOR	Spindle	Main	26/22(33/22) [34.9/29.5](44.2/29.5)	30/22(33/22) [40.2/29.5](44.2/29.5)	26/22 [34.9/29.5]	
		Sub	-	-	-	
	Feed	X/Z	4.0/4.0(7.0/7.0) [5.4/5.4](9.4/9.4)	7.0/7.0(7.0/7.0) 9.4/9.4	7.0/7.0 [9.4/9.4]	
		Y/ZB	-	-	-	
	Coolant					
Bed slant		deg.	45°	45°	45°	
Slide way			Box/LM	Box/LM	Box/LM	
Power capacity	Fanuc	kVA	30	40	35	
	Siemens	70	70			
Floor space (LxW)	Fanuc	mm [in]	4,120 x 2,207 [162.2 x 86.9]	4,120 x 2,207 [162.2 x 86.9]	4,120 x 2,207 [162.2 x 86.9]	
	Siemens	4,175 x 2,265	4,175 x 2,265			
Weight		kgf [lbs]	8,500 [18,739]	8,500 [18,739]	8,500 [18,739]	
Controller	STD		FANUC 0iT	FANUC 21iT	FANUC 0iT	
	OPT		SIEMENS S810D	SIEMENS S810D	FANUC21iT	

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SKT400LC / SKT400LMC

Specification

ITEM			SKT400LC	SKT400LMC	
CHUCK	Standard size	inch	15	15	
	Optional size				
CAPACITY	Swing over the bed	mm [in]	725 [28.5]	725 [28.5]	
	Swing over the cross slide		535 [21.1]	535 [21.1]	
	Maximum turning diameter		630 [24.8]	560 [22.1]	
	Turning Milling				
	Maximum turning length		2,120 [83.5]	2,100 [82.7]	
Bar capacity		117 [4.61]	117 [4.61]		
TRAVEL	Axis	X	320 [12.6]	320 [12.6]	
		Y	-	-	
		Z	2,200 [86.6]	2,200 [86.6]	
		ZB	-	-	
MAIN SPINDLE	Maximum spindle speed	rpm	2,000	2,000	
	Spindle nose		A2-11	A2-11	
	Spindle bore	mm [in]	130 [5.12]	130 [5.12]	
	Maximum spindle torque	kgf-m [ft-lbs]	310 [2,242.2]	310 [2,242.2]	
	Speed drive		2 Step Geared	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(B/H)	NC Servo(B/H)	
	Number of tool	EA	10	12	
	Tool Size	O.D	mm [in]	32 [1 1/4]	32 [1 1/4]
		I.D	mm [in]	50 [2.0]	63 [2 1/2]
	Turret clamping force	kgf-m [ft-lbs]	11,220 [24,735]	11,220 [24,735]	
Turret indexing time (1 face)	sec.	0.3	0.3		
MILLING TOOL	Type		N/A	VDI50[BMT75]	
	Max. speed	rpm		4,000	
	Motor power	kw [hp]		7.5/5.5 [10/7.4]	
FEED	Rapid traverse rate	X axis	20 [787]	20 [787]	
		Y axis	-	-	
		Z axis	20 [787]	20 [787]	
		ZB axis	-	-	
		C axis	-	100	
TAIL STOCK	Type		Tow along	Tow along	
	Quill bore taper	-	MT#5	MT#5	
	Quill diameter		150 [5.9]	150 [5.9]	
	Quill travel	mm [in]	150 [5.9]	150 [5.9]	
	Tail stock travel		2,100 [82.7]	2,100 [82.7]	
MOTOR	Spindle	Main	37/30 [49.6/40.2]	37/30 [49.6/40.2]	
		Sub	-	-	
	Feed	X/Z	7.0/7.0 [9.4/9.4]	7.0/7.0 [9.4/9.4]	
		Y/ZB	-	-	
Coolant					
Bed slant		deg.	45°	45°	
Slide way			Box/LM	Box/LM	
Power capacity	Fanuc	kVA	40	40	
	Siemens				
Floor space (LxW)	Fanuc	mm [in]	5,440 × 2,165 [214.2 × 85.2]	5,440 × 2,165 [214.2 × 85.2]	
	Siemens				
Weight		kgf [lbs]	10,850 [23,920]	11,000 [24,250]	
Controller		STD	FANUC 0iT	FANUC21iT	
		OPT	FANUC21iT		

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