

SKT-F160/2SP / SKT-F200/2SP / SKT-F250/2SP



CNC Turning Center

The Most Optimized Lay-out,
Twin Spindle Front Loading CNC Turning Center

- High power built-in spindle motor was adopted
- High rigidity servo turret installment
- Thermally symmetrical built-in spindle to prevent heat distortion
- Double anchored X-axis ball screw

NEW

		SKT-F160/2SP	SKT-F200/2SP	SKT-F250/2SP
Chuck Size	inch	6	8	10
Swing over the bed	mm [in]	370 [14.6]	490 [19.3]	510 [20.1]
Maximum turning length	mm [in]	165 [6.5]	150 [5.91]	250 [9.84]
Bar capacity	mm [in]	45 [1.77]	51 [1.97]	65 [2.56]
Travel	X	140 [5.5]	195 [7.7]	230 [9.1]
	Y	-	-	-
	Z	165 [6.5]	250 [9.8]	360 [14.2]
	ZB	-	-	-
Main spindle speed	rpm	4,500	4,500	3,600
Rapid Traverse	X axis	24 [945]	24 [945]	24 [945]
	Y axis	-	-	-
	Z axis	24 [945]	24 [945]	24 [945]
	ZB axis	-	-	-
	C axis	-	-	-
Power main	Main	7.5/5.5 [10/7.4]	15/11.7 [20.1/15.7]	18.5/15 [24.8/20.1]

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**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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SKT-F160/2SP / SKT-F160/2SPM / SKT-F200/2SP

Specification

ITEM			SKT-F160/2SP COMING SOON	SKT-F160/2SPM COMING SOON	SKT-F200/2SP	
CHUCK	Standard size	inch	6	6	8	
	Optional size					
CAPACITY	Swing over the bed	mm [in]	370 [14.6]	370 [14.6]	490 [19.3]	
	Swing over the cross slide		370 [14.6]	370 [14.6]	490 [19.3]	
	Maximum turning diameter		150 [5.9]	150 [5.9]	250 [9.8]	
	Turning Milling		-	-	-	
	Maximum turning length		165 [6.5]	165 [6.5]	150 [5.91]	
Bar capacity		45 [1.77]	45 [1.77]	51 [1.97]		
TRAVEL	Axis	X	140 [5.5]	140 [5.5]	195 [7.7]	
		Y	-	-	-	
		Z	165 [6.5]	165 [6.5]	250 [9.8]	
		ZB	-	-	-	
MAIN SPINDLE	Maximum spindle speed	rpm	4,500	4,500	4,500	
	Spindle nose		A2-5	A2-5	A2-6	
	Spindle bore	mm [in]	53 [2.09]	53 [2.09]	62 [2.44]	
	Maximum spindle torque	kgf-m [ft-lbs]	6.5 [47]	6.5 [47]	26.1 [188.8]	
	Speed drive		BELT	BELT	BUILT-IN	
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	10 X 2	10 X 2	10 x 2	
	Tool Size	O.D	mm [in]	20 [3/4]	20 [3/4]	25 [1]
		I.D	mm [in]	32 [1 1/4]	32 [1 1/4]	40 [1 1/2]
	Turret clamping force	kgf-m [ft-lbs]	3,736 [8,236]	3,736 [8,236]	4,020 [8,862]	
Turret indexing time (1 face)	sec.	0.3	0.3	0.3		
MILLING TOOL	Type		N/A	BMT55	N/A	
	Max. speed	rpm		4,000		
	Motor power	kw [hp]		3.7/2.2 [5/3]		
FEED	Rapid traverse rate	X axis	m/min [in]	24 [945]	24 [945]	24 [945]
		Y axis	-	-	-	
		Z axis	24 [945]	24 [945]	24 [945]	
		ZB axis	-	-	-	
		C axis	-	-	-	
TAIL STOCK	Type		N/A	N/A	N/A	
	Quill bore taper	-				
	Quill diameter					
	Quill travel	mm [in]				
	Tail stock travel					
MOTOR	Spindle	Main	kw [hp]	7.5/5.5 [10/7.4]	7.5/5.5 [10/7.4]	15/11.7 [20.1/15.7]
		Sub	-	-	-	
	Feed	X/Z	1.6/1.6 [2.1/2.1]	1.6/1.6 [2.1/2.1]	2.1/2.1 [2.8/2.8]	
		Y/ZB				
Coolant						
Bed slant		deg.	0°	0°	0°	
Slide way			Box way	Box way	Box way	
Power capacity	Fanuc	kVA	34	34	80	
	Siemens					
Floor space (LxW)	Fanuc	mm [in]	1,900 × 1,700 [74.8 × 66.9]	1,900 × 1,700 [74.8 × 66.9]		
	Siemens				2,800 × 2,255	
Weight		kgf [lbs]	4,500 [9,921]	4,500 [9,921]	7,000 [15,432]	
Controller	STD		FANUC 18iT	FANUC 18iT	Siemens840D	
	OPT					

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SKT-F200M/2SP / SKT-F250/2SP / SKT-F250/2SPM

Specification

ITEM			SKT-F200M/2SP	SKT-F250/2SP	SKT-F250/2SPM	
CHUCK	Standard size	inch	8	10	10	
	Optional size					
CAPACITY	Swing over the bed	mm [in]	490 [19.3]	510 [20.1]	510 [20.1]	
	Swing over the cross slide		490 [19.3]	510 [20.1]	510 [20.1]	
	Maximum turning diameter		250 [9.8]	400 [15.8]	400 [15.8]	
	Turning Milling		-	-	-	
	Maximum turning length		150 [5.91]	250 [9.84]	250 [9.84]	
Bar capacity		51 [1.97]	65 [2.56]	65 [2.56]		
TRAVEL	Axis	X	195 [7.7]	230 [9.1]	230 [9.1]	
		Y	-	-	-	
		Z	250 [9.8]	360 [14.2]	360 [14.2]	
		ZB	-	-	-	
			-	-	-	
MAIN SPINDLE	Maximum spindle speed	rpm	4,500	3,600	3,600	
	Spindle nose		A2-6	A2-8	A2-8	
	Spindle bore	mm [in]	62 [2.44]	76 [2.99]	76 [2.99]	
	Maximum spindle torque	kgf-m [ft-lbs]	26.1 [188.8]	39.1 [282.8]	39.1 [282.8]	
	Speed drive		BUILT-IN	BUILT-IN	BUILT-IN	
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	10 x 2	12	12	
	Tool Size	O.D	mm [in]	25 [1]	25 [1]	25 [1]
		I.D	mm [in]	40 [1 1/2]	50 [2]	50 [2]
	Turret clamping force	kgf-m [ft-lbs]	4,020 [8,862]	6,500 [14,330]	6,500 [14,330]	
Turret indexing time (1 face)	sec.	0.3	0.5	0.5		
MILLING TOOL	Type		BMT65	N/A	BMT75	
	Max. speed	rpm	4,000		3,000	
	Motor power	kw [hp]	3.3 [4.4]		4.2 [5.6]	
FEED	Rapid traverse rate	X axis	24 [945]	24 [945]	24 [945]	
		Y axis	-	-	-	
		Z axis	24 [945]	24 [945]	24 [945]	
		ZB axis	-	-	-	
		C axis	-	-	-	
TAIL STOCK	Type		N/A	N/A	N/A	
	Quill bore taper	-				
	Quill diameter					
	Quill travel	mm [in]				
Tail stock travel						
MOTOR	Spindle	Main	15/11.7 [20.1/15.7]	18.5/15 [24.8/20.1]	18.5/15 [24.8/20.1]	
		Sub	-	-	-	
	Feed	X/Z	2.1/2.1 [2.8/2.8]	2.1/2.1 [2.8/2.8]	2.1/2.1 [2.8/2.8]	
		Y/ZB				
Coolant						
Bed slant		deg.	0°	0°	0°	
Slide way			Box way	Box way	Box way	
Power capacity	Fanuc	kVA	80	90	90	
	Siemens					
Floor space (LxW)	Fanuc	mm [in]	2,800 x 2,255	3,240 x 2,393	3,240 x 2,393	
	Siemens					
Weight		kgf [lbs]	7,000 [15,432]	9,000 [19,841]	9,000 [19,841]	
Controller	STD		Siemens840D	Siemens840D	Siemens840D	
	OPT					

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