

SKT250Y / SKT250SY



CNC Turning Center

Y axis multi-tasks CNC Turning Center, which can cover all Machining process with only one initial setting

- Applied bullet proof window for the front door to secure working area.
- Improved maintenance feature by the front centralized integrations of Hydraulic and Lubrication devices
- Accomplishment of multi-tasking by Y axis VD140 type Turret
- Maximized intensive integration of Machining Process by synchronizations of each main axes and sub spindle, 5" (SKT210SY), 6" (SKT250SY)

		SKT250Y	SKT250SY
Chuck Size	inch	10	10
Swing over the bed	mm [in]	620 [24.4]	620 [24.4]
Maximum turning length	mm [in]	620 [24.4]	620 [24.4]
Bar capacity	mm [in]	76 [2.99]	76 [2.99]
Travel	X	230 [9.1]	230 [9.1]
	Y	±55 [±2.2]	±55 [±2.2]
	Z	675 [26.6]	675 [26.6]
	ZB	-	700 [27.6]
Main spindle speed	rpm	3,500	3,500
Sub spindle speed	rpm		6,000
Rapid Traverse	X axis	20 [787]	20 [787]
	Y axis	10 [394]	10 [394]
	Z axis	24 [945]	24 [945]
	ZB axis	-	20 [787]
	C axis	100	100
Power main	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]
	Sub	-	7.5/5.5 [10/7.4]

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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Specification

ITEM			SKT250Y	SKT250SY	
CHUCK	Standard size	inch	10	10	
	Optional size				
CAPACITY	Swing over the bed	mm [in]	620 [24.4]	620 [24.4]	
	Swing over the cross slide		490 [19.3]	490 [19.3]	
	Maximum turning diameter		410 [16.1]	410 [16.1]	
	Turning Milling				
	Maximum turning length		620 [24.4]	620 [24.4]	
Bar capacity		76 [2.99]	76 [2.99]		
TRAVEL	Axis	X	230 [9.1]	230 [9.1]	
		Y	±55 [±2.2]	±55 [±2.2]	
		Z	675 [26.6]	675 [26.6]	
		ZB	-	700 [27.6]	
MAIN SPINDLE	Maximum spindle speed	rpm	3,500	3,500	
	Spindle nose		A2-8	A2-8	
	Spindle bore	mm [in]	95 [3.74]	95 [3.74]	
	Maximum spindle torque	kgf-m [ft-lbs]	24.3 [175.8]	24.3 [175.8]	
	Speed drive		BELT	BELT	
SUB SPINDLE	Chuck size	mm [in]	N/A	165	
	Maximum spindle speed	rpm		6,000	
	Spindle nose			A2-5	
	Spindle bore	mm [in]		53 [2.09]	
	Bar capacity	mm [in]		45 [1.77]	
	Maximum spindle torque	kgf-m [ft-lbs]		6.3	
	Speed drive			SERVO	
TOOL POST	Type		NC Servo(VDI)	NC Servo(VDI)	
	Number of tool	EA	12	12	
	Tool Size	O.D	mm [in]	25 [1]	25 [1]
		I.D	mm [in]	50 [2]	50 [2]
	Turret clamping force	kgf-m [ft-lbs]	4,120 [9,083]	4,120 [9,083]	
Turret indexing time (1 face)	sec.				
MILLING TOOL	Type		VDI 40	VDI 40	
	Max. speed	rpm	4,000	4,000	
	Motor power	kw [hp]	5.5 [7.4]	5.5 [7.4]	
FEED	Rapid traverse rate	X axis	20 [787]	20 [787]	
		Y axis	10 [394]	10 [394]	
		Z axis	24 [945]	24 [945]	
		ZB axis	-	20 [787]	
		C axis	100	100	
TAIL STOCK	Type		Tow along	N/A	
	Quill bore taper	-	MT#5		
	Quill diameter		100 [3.9]		
	Quill travel	mm [in]	120 [4.7]		
	Tail stock travel		750 [29.5]		
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		Sub	N/A	7.5/5.5 [10/7.4]	
	Feed	X/Z	4.0/4.0 [5.4/5.4]	4.0/4.0 [5.4/5.4]	
		Y/ZB	1.6 [2.1]	1.6/3.0 [2.1/4.0]	
Coolant					
Bed slant		deg.	45°	45°	
Slide way			Box way	Box way	
Power capacity	Fanuc	kVA	26	37	
	Siemens				
Floor space (LxW)	Fanuc	mm [in]	3,202 × 1,988 [126.1x78.3]	3,202 × 1,988 [126.1x78.3]	
	Siemens				
Weight		kgf [lbs]	6,500 [14,330]	6,500 [14,330]	
Controller		STD	FANUC 21iT	FANUC 18iT	
		OPT			

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