

SKT160TTSY / SKT180TTSY / SKT200TT(S) / SKT200TT(MS) / SKT200TTSY



CNC Multi Tasking Machine

Twin (opposite) spindle, twin (up & down) turrets integrated process the next generation multi-tasking turning center

- Front bullet proof window to secure operator's safety.
- High power built-in spindle motor. - 25/15kW (33.5/20HP)
- Upper and lower turrets are adopted to guarantee high productivity
- Upper turret has Y-axis capability to process multi-tasking process.
- Synchronized the second spindle (8") control reduces non-cutting enormously.

		NEW	NEW
		SKT160TTSY	SKT180TTSY
Chuck Size	inch	6	8
Option Chuck Size	mm [in]		
Swing over the bed	mm [in]	120 [4.7]	230 [9.1]
Maximum turning length	mm [in]	52 [2.05]	65 [2.56]
Bar capacity	mm [in]	X1/X2 (165/190) [6.5/7.5]	X1/X2 (165/190) [6.5/7.5]
Travel	X	±50 [±2.0]	±50 [±2.0]
	Y	Z1/Z2 (700/720) [27.6/28.4]	Z1/Z2 (700/720) [27.6/28.4]
	Z	725 [28.5]	725 [28.5]
	ZB	6,000	5,000
Main spindle speed	rpm	6,000	5,000
Sub spindle speed	rpm	X1/X2 : (20/20) [787/787]	X1/X2 : (20/20) [787/787]
Rapid Traverse	X axis	7.5 [295]	7.5 [295]
	Y axis	Z1/Z2 : (40/40) [1,575/1,575]	Z1/Z2 : (40/40) [1,575/1,575]
	Z axis	40 [1,575]	40 [1,575]
	ZB axis	600/600	600/600
	C axis	15/11 [20.1/14.7]	22/15 [29.5/20.1]
Power main	Main	15/11 [20.1/14.7]	22/15 [29.5/20.1]
	Sub		

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HYUNDAI-KIA MACHINE
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		SKT200TTS	SKT200TTMS	SKT200TTSY
Chuck Size	inch	8	8	8
Option Chuck Size	mm [in]	780 [30.7]	780 [30.7]	780 [30.7]
Swing over the bed	mm [in]	900 [35.4]	900 [35.4]	900 [35.4]
Maximum turning length	mm [in]	65 [2.56]	65 [2.56]	65 [2.56]
Bar capacity	mm [in]	X1/X2:(270/190) [10.6/7.5]	X1/X2:(270/190) [10.6/7.5]	X1/X2:(270/190) [10.6/7.5]
Travel	X	-	-	±60 [±2.4]
	Y	Z1/Z2:(920/920) [36.2/36.2]	Z1/Z2:(920/920) [36.2/36.2]	Z1/Z2:(920/920) [36.2/36.2]
	Z	930 [36.6]	930 [36.6]	930 [36.6]
	ZB	5,000	5,000	5,000
Main spindle speed	rpm	5,000	5,000	5,000
Sub spindle speed	rpm	X1/X2 :(24/24) [945/945]	X1/X2 :(24/24) [945/945]	X1/X2 :(24/24) [945/945]
Rapid Traverse	X axis	-	-	12 [472]
	Y axis	Z1/Z2 :(24/24) [945/945]	Z1/Z2 :(24/24) [945/945]	Z1/Z2 :(24/24) [945/945]
	Z axis	24 [945]	24 [945]	24 [945]
	ZB axis	-	200	200
	C axis	25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]
Power main	Main	25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]
	Sub			

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SKT160TTSY / SKT180TTSY

Specification

ITEM			SKT160TTSY COMING SOON	SKT180TTSY COMING SOON	
CHUCK	Standard size	inch	6	8	
	Optional size				
CAPACITY	Swing over the bed				
	Swing over the cross slide		230 [9.1]	230 [9.1]	
	Maximum turning diameter	Turning	mm [in]	230/230 [9.1/9.1]	230/230 [9.1/9.1]
		Milling			
	Maximum turning length		120 [4.7]	230 [9.1]	
Bar capacity		52 [2.05]	65 [2.56]		
TRAVEL	Axis	X	mm [in]	X1/X2 (165/190) [6.5/7.5]	
		Y		±50 [±2.0]	
		Z		Z1/Z2 (700/720) [27.6/28.4]	
		ZB		725 [28.5]	
				X1/X2 (165/190) [6.5/7.5]	
MAIN SPINDLE	Maximum spindle speed	rpm	6,000	5,000	
	Spindle nose		A2-5	A2-6	
	Spindle bore	mm [in]	62 [2.44]	76 [3.0]	
	Maximum spindle torque	kgf-m [ft-lbs]			
	Speed drive		BUILT-IN	BUILT-IN	
SUB SPINDLE	Chuck size	mm [in]	6	8	
	Maximum spindle speed	rpm	6,000	5,000	
	Spindle nose		A2-5	A2-6	
	Spindle bore	mm [in]	62 [2.44]	76 [3.0]	
	Bar capacity	mm [in]			
	Maximum spindle torque	kgf-m [ft-lbs]			
	Speed drive		BUILT-IN	BUILT-IN	
TOOL POST	Type		NC Servo(BMT55P)	NC Servo(BMT55P)	
	Number of tool	EA	12	12	
	Tool Size	O.D	mm [in]	Up,Lo: 20 [3/4]	Up,Lo: 20 [3/4]
		I.D		Up,Lo: 32 [1 1/4]	Up,Lo: 32 [1 1/4]
	Turret clamping force	kgf-m [ft-lbs]	Up,Lo :	Up,Lo :	
Turret indexing time (1 face)	sec.	0.2	0.2		
MILLING TOOL	Type				
	Max. speed	rpm	5,000	5,000	
	Motor power	kw [hp]	Up/Lo (5.5/1.2) [7.4/1.6]	Up/Lo (5.5/1.2) [7.4/1.6]	
FEED	Rapid traverse rate	X axis	m/min [in]	X1/X2 : (20/20) [787/787]	
		Y axis		7.5 [295]	
		Z axis		Z1/Z2 : (40/40) [1,575/1,575]	
		ZB axis		40 [1,575]	
		C axis		600/600	
TAIL STOCK	Type		N/A	N/A	
	Quill bore taper	-			
	Quill diameter				
	Quill travel	mm [in]			
	Tail stock travel				
MOTOR	Spindle	Main	kw [hp]	15/11 [20.1/14.7]	
		Sub		15/11 [20.1/14.7]	
	Feed	X/Z		X1/X2/Z1/Z2:(4.0/1.6/2.7/2.7)[5.4/2.1/3.6/3.6]	
		Y/ZB		3.0/2.7 [4/3.6]	
Coolant			22/15 [29.5/20.1]		
Bed slant		deg.	45°	45°	
Slide way			X/ Y ; Box way , Z/B ; LM	X/ Y ; Box way , Z/B ; LM	
Power capacity	Fanuc	kVA	60	69	
	Siemens				
Floor space (LxW)	Fanuc	mm [in]	3,240 × 2,070 [127.6x81.5]	3,240 × 2,070 [127.6x81.5]	
	Siemens				
Weight		kgf [lbs]			
Controller		STD	FANUC 18iTB	FANUC 18iTB	
		OPT			

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SKT200TTSY / SKT200TTMS / SKT200TTS

Specification

ITEM			SKT200TTSY	SKT200TTMS	SKT200TTS	
CHUCK	Standard size		inch	8	8	
	Optional size					
CAPACITY	Swing over the bed		mm [in]	780 [30.7]	780 [30.7]	
	Swing over the cross slide			700 [27.6]	700 [27.6]	
	Maximum turning diameter	Turning		Up:390, Lo: 300 [15.4, 11.8]	Up:390, Lo: 300 [15.4, 11.8]	Up:390, Lo: 300 [15.4, 11.8]
		Milling				
	Maximum turning length			900 [35.4]	900 [35.4]	900 [35.4]
Bar capacity		65 [2.56]	65 [2.56]	65 [2.56]		
TRAVEL	Axis	X	mm [in]	X1/X2:(270/190) [10.6/7.5]	X1/X2:(270/190) [10.6/7.5]	
		Y		±60 [±2.4]	N/A	N/A
		Z		Z1/Z2:(920/920) [36.2/36.2]	Z1/Z2:(920/920) [36.2/36.2]	Z1/Z2:(920/920) [36.2/36.2]
		ZB		930 [36.6]	930 [36.6]	930 [36.6]
MAIN SPINDLE	Maximum spindle speed		rpm	5,000	5,000	
	Spindle nose			A2-6	A2-6	
	Spindle bore		mm [in]	78 [3.07]	78 [3.07]	
	Maximum spindle torque		kgf-m [ft-lbs]	46.6 [337.1]	46.6 [337.1]	
	Speed drive			BUILT-IN	BUILT-IN	
SUB SPINDLE	Chuck size		mm [in]	8	8	
	Maximum spindle speed		rpm	5,000	5,000	
	Spindle nose			A2-6	A2-6	
	Spindle bore		mm [in]	78 [3.07]	78 [3.07]	
	Bar capacity		mm [in]	65 [2.56]	65 [2.56]	
	Maximum spindle torque		kgf-m [ft-lbs]	46.6 [337.1]	46.6 [337.1]	
	Speed drive			BUILT-IN	BUILT-IN	
TOOL POST	Type			NC Servo(BMT)	NC Servo(BMT)	
	Number of tool		EA	12	12	
	Tool Size	O.D	mm [in]	Up,Lo: 25 [1]	Up,Lo: 25 [1]	
		I.D		Up,Lo: 50 [2]	Up,Lo: 50 [2]	
	Turret clamping force		kgf-m [ft-lbs]	Up,Lo : 5,980 [13,183]	Up,Lo : 5,980 [13,183]	
Turret indexing time (1 face)		sec.	0.2	0.2		
MILLING TOOL	Type			BMT65P	N/A	
	Max. speed		rpm	4,000	4,000	
	Motor power		kw [hp]	5.5/2.2 [7.4/3]	5.5/2.2 [7.4/3]	
FEED	Rapid traverse rate	X axis	m/min [in]	X1/X2 :(24/24) [945/945]	X1/X2 :(24/24) [945/945]	
		Y axis		12 [472]	-	
		Z axis		Z1/Z2 :(24/24) [945/945]	Z1/Z2 :(24/24) [945/945]	
		ZB axis		24 [945]	24 [945]	
		C axis		200	200	
TAIL STOCK	Type			N/A	N/A	
	Quill bore taper		-			
	Quill diameter					
	Quill travel		mm [in]			
	Tail stock travel					
MOTOR	Spindle	Main	kw [hp]	25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]	
		Sub		25-S2(15min)/15 [33.5/20.1]	25-S2(15min)/15 [33.5/20.1]	
	Feed	X/Z		X1/X2/Z1/Z2:(4/3/4/4) [5.4/4/5.4/5.4]	X1/X2/Z1/Z2:(4/3/4/4) [5.4/4/5.4/5.4]	
		Y/ZB		3.0/4.0 [4/5.4]	-/4.0 [-/5.4]	
Coolant				-/4.0 [-/5.4]		
Bed slant			deg.	45°	45°	
Slide way				Box way	Box way	
Power capacity	Fanuc	kVA	80	80		
	Siemens			80		
Floor space (LxW)	Fanuc	mm [in]	3,670 x 2,170 [144.5 x 85.4]	3,670 x 2,170 [144.5 x 85.4]		
	Siemens		3,670 x 2,170 [144.5 x 85.4]			
Weight			kgf [lbs]	10,100 [22,266]	10,600 [23,369]	
Controller	STD		FANUC 18iT	FANUC 18iT		
	OPT			FANUC 18iT		

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