

SKT250 / SKT250M / SKT250MS / SKT250L / SKT250LM / SKT250LMS



CNC Turning Center

High Grade CNC Turning Center

- 3 layers solid structure bed, and the large saddle with no turret overhang make SKT25/300 as the perfect idealistic machine for the heavy duty cutting.
- High torque and the wide power range spindle drive system (2 Steps Geared Head) with all axes box way complete perfect design.

		SKT250	SKT250M	SKT250MS	SKT250L	SKT250LM	SKT250LMS
Chuck Size	inch	10	10	10	10	10	10
Swing over the bed	mm [in]	750 [29.5]	750 [29.5]	750 [29.5]	750 [29.5]	750 [29.5]	750 [29.5]
Maximum turning length	mm [in]	720 [28.4]	680 [26.8]	680 [26.8]	1,320 [52.0]	1,280 [50.4]	1250 [49.2]
Bar capacity	mm [in]	76 [2.99]	76 [2.99]	76 [2.99]	76 [2.99]	76 [2.99]	76 [2.99]
Travel	X	290 [11.4]	290 [11.4]	290 [11.4]	290 [11.4]	290 [11.4]	290 [11.4]
	Y	-	-	-	-	-	-
	Z	750 [29.5]	750 [29.5]	750 [29.5]	1,350 [53.2]	1,350 [53.2]	1,350 [53.2]
	ZB	-	-	700 [27.6]	-	-	1,200 [47.2]
Main spindle speed	rpm	3,600	3,500	3,500	3,600	3,500	3,500
Sub spindle speed	rpm			4,000			4,000
Rapid Traverse	X axis	20 [787]	20 [787]	20 [787]	20 [787]	20 [787]	20 [787]
	Y axis	-	-	-	-	-	-
	Z axis	24 [945]	24 [945]	24 [945]	24 [945]	24 [945]	24 [945]
	ZB axis	-	-	20 [787]	-	-	20 [787]
	C axis	-	100	100	-	100	100
Power main	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]
	Sub	-	-	11/7.5 [14.7/10]	-	-	11/7.5 [14.7/10]

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SKT250 / SKT250M / SKT250MS

Specification

ITEM			SKT250	SKT250M	SKT250MS	
CHUCK	Standard size	inch	10	10	10	
	Optional size					
CAPACITY	Swing over the bed	mm [in]	750 [29.5]	750 [29.5]	750 [29.5]	
	Swing over the cross slide		480 [18.9]	480 [18.9]	480 [18.9]	
	Maximum turning diameter		500 [19.7]	410 [16.1]	410 [16.1]	
	Turning Milling		-			
	Maximum turning length		720 [28.4]	680 [26.8]	680 [26.8]	
Bar capacity		76 [2.99]	76 [2.99]	76 [2.99]		
TRAVEL	Axis	X	290 [11.4]	290 [11.4]	290 [11.4]	
		Y	-	-	-	
		Z	750 [29.5]	750 [29.5]	750 [29.5]	
		ZB	-	-	700 [27.6]	
MAIN SPINDLE	Maximum spindle speed	rpm	3,600	3,500	3,500	
	Spindle nose		A2-8	A2-8	A2-8	
	Spindle bore	mm [in]	90 [3.54]	95 [3.74]	95 [3.74]	
	Maximum spindle torque	kgf-m [ft-lbs]	77 [556.9]	50.3 [363.8]	50.3 [363.8]	
	Speed drive		2 Step Geared	BELT	BELT	
SUB SPINDLE	Chuck size	mm [in]	N/A	N/A	210 [8]	
	Maximum spindle speed	rpm			4,000	
	Spindle nose				A2-6	
	Spindle bore	mm [in]			78 [3.07]	
	Bar capacity	mm [in]			65 [2.56]	
	Maximum spindle torque	kgf-m [ft-lbs]			14.3 [103.4]	
	Speed drive				SERVO	
TOOL POST	Type		NC Servo(B/H)	NC Servo(BMT)	NC Servo(BMT)	
	Number of tool	EA	12	12	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]	25 [1.0]
		I.D	mm [in]	50 [2.0]	50 [2.0]	50 [2.0]
	Turret clamping force	kgf-m [ft-lbs]	6,543 [14,425]	6,543 [14,425]	6,543 [14,425]	
Turret indexing time (1 face)	sec.	0.3	0.3	0.3		
MILLING TOOL	Type		N/A	BMT65	BMT65	
	Max. speed	rpm		4,000	4,000	
	Motor power	kw [hp]		5.5/3.7	5.5/3.7	
FEED	Rapid traverse rate	X axis	20 [787]	20 [787]	20 [787]	
		Y axis	-	-	-	
		Z axis	24 [945]	24 [945]	24 [945]	
		ZB axis	-	-	20 [787]	
		C axis	-	100	100	
TAIL STOCK	Type		Tow along	Tow along	N/A	
	Quill bore taper	-	MT#5	MT#5		
	Quill diameter	mm [in]	100 [3.9]	100 [3.9]		
	Quill travel	mm [in]	120 [4.7]	120 [4.7]		
	Tail stock travel	mm [in]	750 [29.5]	750 [29.5]		
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		Sub	-	-	11/7.5	
	Feed	X/Z	4.0/4.0 [5.4/5.4]	4.0/4.0 [5.4/5.4]	4.0/4.0 [5.4/5.4]	
		Y/ZB	-	-	ZB : 3	
Coolant						
Bed slant		deg.	45°	45°	45°	
Slide way			Box way	Box way	Box way	
Power capacity	Fanuc	kVA	26	28	35	
	Siemens					
Floor space (LxW)	Fanuc	mm [in]	3,200 x 2,002 [126.0 x 78.8]	3,360 x 2,002 [132.3 x 78.8]	3,470 x 2,002 [136.6 x 78.8]	
	Siemens					
Weight		kgf [lbs]	6,300 [13,889]	6,500 [14,329]	7,000 [15,432]	
Controller	STD		FANUC 0iT	FANUC 21iT	FANUC 18iT	
	OPT		FANUC 21iT			

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SKT250L / SKT250LM / SKT250LMS

Specification

ITEM			SKT250L	SKT250LM	SKT250LMS	
CHUCK	Standard size	inch	10	10	10	
	Optional size					
CAPACITY	Swing over the bed	mm [in]	750 [29.5]	750 [29.5]	750 [29.5]	
	Swing over the cross slide		480 [18.9]	480 [18.9]	480 [18.9]	
	Maximum turning diameter		500 [19.7]	410 [16.1]	410 [16.1]	
	Turning Milling		-			
	Maximum turning length		1,320 [52.0]	1,280 [50.4]	1250 [49.2]	
Bar capacity		76 [2.99]	76 [2.99]	76 [2.99]		
TRAVEL	Axis	X	290 [11.4]	290 [11.4]	290 [11.4]	
		Y	-	-	-	
		Z	1,350 [53.2]	1,350 [53.2]	1,350 [53.2]	
		ZB	-	-	1,200 [47.2]	
MAIN SPINDLE	Maximum spindle speed	rpm	3,600	3,500	3,500	
	Spindle nose		A2-8	A2-8	A2-8	
	Spindle bore	mm [in]	90 [3.54]	95 [3.74]	95 [3.74]	
	Maximum spindle torque	kgf-m [ft-lbs]	77 [556.9]	50.3 [363.8]	50.3 [363.8]	
	Speed drive		2 Step Geared	BELT	BELT	
SUB SPINDLE	Chuck size	mm [in]	N/A	N/A	210 [8]	
	Maximum spindle speed	rpm			4,000	
	Spindle nose				A2-6	
	Spindle bore	mm [in]			78 [3.07]	
	Bar capacity	mm [in]			65 [2.56]	
	Maximum spindle torque	kgf-m [ft-lbs]			14.3 [103.4]	
	Speed drive				SERVO	
TOOL POST	Type		NC Servo(B/H)	NC Servo(BMT)	NC Servo(BMT)	
	Number of tool	EA	12	12	12	
	Tool Size	O.D	mm [in]	25 [1.0]	25 [1.0]	25 [1.0]
		I.D	mm [in]	50 [2.0]	50 [2.0]	50 [2.0]
	Turret clamping force	kgf-m [ft-lbs]	6,543 [14,425]	6,543 [14,425]	6,543 [14,425]	
Turret indexing time (1 face)	sec.	0.3	0.3	0.3		
MILLING TOOL	Type		N/A	BMT65	BMT65	
	Max. speed	rpm		4,000	4,000	
	Motor power	kw [hp]		5.5/3.7	5.5/3.7	
FEED	Rapid traverse rate	X axis	20 [787]	20 [787]	20 [787]	
		Y axis	-	-	-	
		Z axis	24 [945]	24 [945]	24 [945]	
		ZB axis	-	-	20 [787]	
		C axis	-	100	100	
TAIL STOCK	Type		Tow along	Tow along	N/A	
	Quill bore taper	-	MT#5	MT#5		
	Quill diameter	mm [in]	100 [3.9]	100 [3.9]		
	Quill travel	mm [in]	120 [4.7]	120 [4.7]		
	Tail stock travel		1350 [53.2]	1350 [53.2]		
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		Sub	-	-	11/7.5	
	Feed	X/Z	4.0/4.0 [5.4/5.4]	4.0/4.0 [5.4/5.4]	4.0/4.0 [5.4/5.4]	
		Y/ZB	-	-	ZB : 3	
Coolant						
Bed slant		deg.	45°	45°	45°	
Slide way			Box way	Box way	Box way	
Power capacity	Fanuc	kVA	25	28	30	
	Siemens					
Floor space (LxW)	Fanuc	mm [in]	4,170 x 2,002 [164.2 x 78.8]	4,170 x 2,002 [164.2 x 78.8]	4,170 x 2,002 [164.2 x 78.8]	
	Siemens					
Weight		kgf [lbs]	7,500 [16,534]	7,700 [16,975]	8,200 [18,078]	
Controller	STD		FANUC 0iT	FANUC 21iT	FANUC 21iT	
	OPT		FANUC 21iT			

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