

# KIT250 / KIT400 / KIT450 / KIT60G



## Gang Type CNC Turning Center

Automation/Process Integration, Easy to Operate

- Gang Type Lathes

- Variety Accessories, Robot System Application (ex: KN Robot)
- Variety Optional figures are available, Auto Loader/Bar Feeder/Bar Catcher, etc.
- Slant bed design gives better access to tool holder, and chuck. Also, this design is more efficient to remove chips.
- Locate chip box at the front or sides.
- For operator's convenient, multi purpose tool box and used lubrication collect box are equipped.

			KIT250	KIT400	KIT450	KIT60G
Chuck Size	inch		5	6	6	10
Swing over the bed	mm [in]		320 [12.6]	510 [20.1]	530 [20.9]	780 [30.7]
Maximum turning length	mm [in]		150 [5.9]	270 [10.6]	325 [12.8]	530 [20.9]
Bar capacity	mm [in]		32 [1.26]	45 [1.77]	45 [1.77]	65 [2.56]
Travel	X	mm [in]	250 [9.8]	400 [15.8]	450 [17.7]	450 [17.7]
	Y		-	-	-	-
	Z		200 [7.9]	250 [9.8]	300 [11.8]	550 [21.7]
	ZB		-	-	-	-
Main spindle speed	rpm		7,000	6,000	6,000	4,000
Rapid Traverse	X axis	m/min [ipm]	24 [945]	30 [1,181]	30 [1,181]	36 [1,417]
	Y axis		-	-	-	-
	Z axis		30 [1,181]	36 [1,417]	36 [1,417]	36 [1,417]
	ZB axis		-	-	-	-
	C axis		-	-	-	-
Power main	Main	kw [hp]	5.5/3.7 [7.3/5]	11/7.5 [14.7/10]	15/11 [20.1/14.7]	11/7.5 [14.7/10]

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# KIT250 / KIT400

## Specification

ITEM			KIT250	KIT400	KIT450	KIT60G	
<b>CHUCK</b>	Standard size	inch	5	6	6	10	
	Optional size						
<b>CAPACITY</b>	Swing over the bed	mm [in]	320 [12.6]	510 [20.1]	530 [20.9]	780 [30.7]	
	Swing over the cross slide		170 [6.7]	170 [6.7]	170 [6.7]	424	
	Maximum turning diameter		Turning	160 [6.3]	165 [6.5]	165 [6.5]	530 [20.9]
			Milling	-	-	-	-
	Maximum turning length		150 [5.9]	270 [10.6]	325 [12.8]	530 [20.9]	
Bar capacity		32 [1.26]	45 [1.77]	45 [1.77]	65 [2.56]		
<b>TRAVEL</b>	Axis	X	250 [9.8]	400 [15.8]	450 [17.7]	450 [17.7]	
		Y	N/A	N/A	N/A	N/A	
		Z	200 [7.9]	250 [9.8]	300 [11.8]	550 [21.7]	
		ZB	-	-	-	-	
<b>MAIN SPINDLE</b>	Maximum spindle speed	rpm	7,000	6,000	6,000	4,000	
	Spindle nose		Φ110	A2-5	A2-5	A2-8	
	Spindle bore	mm [in]	42 [1.65]	54 [2.13]	52 [2.05]	78 [2.61]	
	Maximum spindle torque	kgf-m [ft-lbs]	4.9 [35.4]	7.14(8.12) / [51.6](58.7)	9.74(7.14) [70.4](51.6)	7.14 [51.6]	
	Speed drive		BELT	BELT	BELT	BELT	
<b>SUB SPINDLE</b>	Chuck size	mm [in]	N/A	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						
<b>TOOL POST</b>	Type		Gang	Gang	Gang	Gang	
	Number of tool	EA		6	6		
	Tool Size	O.D	mm [in]	20 [3/4]	20 [3/4]	20 [3/4]	25 [1.0]
		I.D	mm [in]	25 [1.0]	25 [1.0]	32 [1 1/4]	32 [1 1/4]
	Turret clamping force	kgf-m [ft-lbs]	N/A	N/A	N/A	N/A	
Turret indexing time (1 face)	sec.						
<b>MILLING TOOL</b>	Type					N/A	
	Max. speed	rpm					
	Motor power	kw [hp]					
<b>FEED</b>	Rapid traverse rate	X axis	m/min [in]	24 [945]	30 [1,181]	30 [1,181]	36 [1,417]
		Y axis	-	-	-	-	
		Z axis	30 [1,181]	36 [1,417]	36 [1,417]	36 [1,417]	
		ZB axis	-	-	-	-	
		C axis	-	-	-	-	
<b>TAIL STOCK</b>	Type		N/A	N/A	N/A	N/A	
	Quill bore taper	-					
	Quill diameter						
	Quill travel	mm [in]					
	Tail stock travel						
<b>MOTOR</b>	Spindle	Main	kw [hp]	5.5/3.7 [7.3/5]	11/7.5(12.5/7) [14.7/10](16.7/9.3)	15/11(12/9) [20.1/14.7](16/12)	11/7.5 [14.7/10]
		Sub	-	-	-	-	
	Feed	X/Z	0.75/0.75 [1/1]	1.2(1.48) [1.6](2.0)	1.8(2.3) [2.4](3.1)	1.6/1.6 [2.1/2.1]	
		Y/ZB					
Coolant							
Bed slant		deg.	Flat	60°	60°	45°	
Slide way			Ball guide	Ball guide	Ball guide	Ball guide	
Power capacity	Fanuc	kVA	20	20	20	20	
	Siemens						
Floor space (LxW)	Fanuc	mm [in]	1,680x1,476 [66.1 x 58.1]	1,970 x1,355 [77.6 x 53.3]	2,100x1,435 [82.7 x 56.5]	2,900 x 1,650 [114.2 x 65.0]	
	Siemens						
Weight		kgf [lbs]	1,900 [4,189]	2,500 [5,512]	2,700 [5,952]	4,300 [9,480]	
Controller	STD		FANUC 0iT	FANUC 0iT	FANUC 0iT	FANUC 0iT	
	OPT			SIEMENS 802D	SIEMENS 802D		

Design and Specifications are subject to change without prior notice.