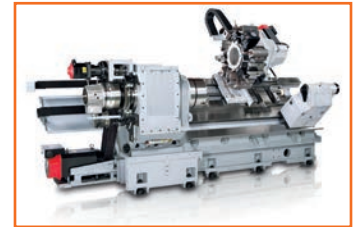




CNC lathe

A-Turn 375 • 450 • 500

29x28" to 40x157"



- One piece Meehanite slant bed lathe has low center of gravity and superior rigidity.
- Flex-resistant and shock-absorbing headstock is heat-treated and annealed twice. Reaching HRC53 hardness, it can take heavy cuts while maintaining accuracy.
- Heavy-duty spindle is supported three times: Two roller bearings and an angular ball bearing.
- Available with Live-Tools up to 11kW (15HP)

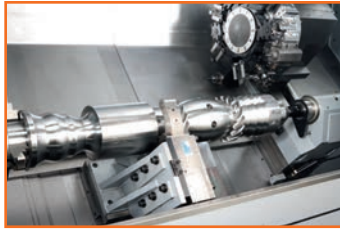


Standard configuration:

- 3-jaw hydraulic chuck
- Hydraulic turret and tool holders
- FANUC Oi-TD controller (A-Turn 375)
- FANUC Oi-T controller (A-Turn 450 & 500)
- 8.4" color LCD monitor
- Registered part program numbers: 400 sets
- Part program size: 640 m
- RS-232 interface
- Heat exchanger for electric cabinet
- Coolant system
- Full-enclosed Z axis way cover (A-Turn 375)
- Full-enclosed X/Z axis way cover (A-Turn 450 & 500)
- Automatic lubrication system
- Three-color warning light
- Standard soft jaw and hard jaw
- Tool kit
- Operation manual
- Chip conveyor
- Chip cart
- Programmable tailstock

Specifications		A-Turn 375 CNC					
		700 29.5" x 28"	1200 29.5" x 47"	1650 29.5" x 65"	2150 29.5" x 85"	3100 29.5" x 122"	
CAPACITY	Controller	FANUC Oi-TD					
	Swing over bed	mm	750 (29.5")				
	Swing over carriage	mm	600 (23.6")				
	Max. cutting diameter	mm	550 (21.7")				
SPINDLE	Max. cutting length	mm	700 (28")	1200 (47")	1650 (65")	2150 (85")	3100 (122")
	Spindle nose taper	ASA	A2-8 (A2-11/A2-15)				
	Chuck diameter	inch	12 (15/18)		12 (15/20)		
	Spindle bore diameter	mm	101 [opt. 116/181] (4" [opt. 4.6/7.1"])				
	Speed	rpm	2700 (2000/1500)				
TRAVELS	Spindle motor power	kW	18.5 (25 Hp) [opt. 22 (30 Hp)]		22 (30 Hp) [opt. 37 (50 Hp)]		
	Z axis	mm	750 (30")	1250 (49")	1750 (69")	2250 (89")	3182 (125")
	X axis	mm	275 + 30 (10.8"+1.2")				
FEED RATES	Rapid traverse – Z axis	m/min	20 (787"/min)			15 (630"/min)	10 (394"/min)
	Rapid traverse – X axis	m/min	20 (787"/min)				
TURRET	Number of tools	station	12				
	Square tool size	mm	32 (1.26")				
	Round tool size	mm	50 (1.97")				
	Rotary tool power**	kW	7 (10 Hp)				
TAILSTOCK	Rotary tool speed**	rpm	3000				
	Quill travel	mm	120 (4.7")				
	Quill diameter	mm	120 (4.7")				
DIMENSIONS	Quill taper	MT#	120 (4.7")				
	Dimensions (L/W/H)	m	3x1.8x2.3 (118x71x91")	3.6x1.8x2.3 (142x71x91")	6.1x2.3x2.3 (240x91x91")	6.4x2.3x2.3 (252x91x91")	7.9x2.3x2.3 (311x91x91")
	Weight	kg	6500 (14,330 lbs)	8000 (17,640 lbs)	9500 (20,900 lbs)	10500 (23,100 lbs)	12000 (26,400 lbs)
Item No.			1610600	1610601	1610162	1610148	1610163

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment. — ** Live tool optional



Optional configuration:

- Servo turret
- Tool setter
- Oil mist collector
- Oil-coolant skimmer
- Air cooler for electric cabinet
- High pressure coolant system
- Steady rest
- Collet chuck (A-Turn 450 & 500)
- Parts catcher (A-Turn 450)
- Parts conveyor (A-Turn 450 & 500)
- Bar feeder
- Auto door (A-Turn 450 & 500)

Specifications	A-Turn 450 CNC					A-Turn 500 CNC				
	1300	2000	2900	3900	1400	2100	3000	4000		
	35.4" x 51"	35.4" x 79"	35.4" x 114"	35.4" x 154"	40.5" x 55"	40.5" x 83"	40.5" x 118"	40.5" x 157"		
Controller	FANUC 0i-T					FANUC 0i-T				
CAPACITY										
Swing over bed	mm	900 (35.4")				1030 (40.5")				
Swing over carriage	mm	745 (29.3")				950 (37.4")				
Max. cutting diameter	mm	700 (27.6")				900 (35.4")				
Max. cutting length	mm	1300 (51")	2000 (79")	2900 (114")	3900 (154")	1400 (55")	2100 (83")	3000 (118")	4000 (157")	
SPINDLE										
Spindle nose taper	ASA	A2-11 (A2-15/A2-20)				A2-11 (A2-15/A2-20)				
Chuck diameter	inch	15 (18/20/20)				15 (18/20/24)				
Spindle bore diameter	mm	131 [opt. 235] (5.2" [opt. 9.3"])				131 [opt. 235/320/380/530] (5.2" [opt. 9.3/12.6/15/20.8"])				
Speed	rpm	2000 (800)				2000 (800/400/400/250)				
Spindle motor power	kW	37 (50 Hp)				37 [opt. 45] (50 Hp [opt. 60 Hp])				
TRAVELS										
Z axis	mm	1500 (59")	2200 (87")	3100 (122")	4100 (161")	1500 (59")	2200 (87")	3100 (122")	4100 (161")	
X axis	mm	340+30 (13.4"+1.2")				450 + 20 (17.7"+0.8")				
FEED RATES										
Rapid traverse	Z axis	m/min	24 (945"/min)	15 (590"/min)	10 (394"/min)	6 (236"/min)	24 (945"/min)	15 (590"/min)	10 (394"/min)	6 (236"/min)
	X axis	m/min	20 (787"/min)				20 (787"/min)			
TURRET										
Number of tools	station	12				12				
Square tool size	mm	32 (1.26")				32 (1.26")				
Round tool size	mm	50 (1.97")				50 (1.97")				
Rotary tool power**	kW	[opt. 11 (15 Hp)]				[opt. 11 (15 Hp)]				
Rotary tool speed**	rpm	[opt. 3000]				[opt. 3000]				
TAILSTOCK										
Quill travel	mm	150 (5.9")				150 (5.9")				
Quill diameter	mm	110 (4.3")				160 (6.3")				
Quill taper	MT#	6				6				
DIMENSIONS										
Dimensions (L/W/H)	m	6.2x2.8x2.6 (244x110x102")	6.9x2.8x2.6 (272x110x102")	7.9x2.8x2.6 (311x110x102")	8.9x2.8x2.6 (350x110x102")	6.2x2.8x3 (244x110x118")	6.9x2.8x3 (272x110x118")	7.9x2.8x3 (311x110x118")	8.9x2.8x3 (350x110x118")	
Weight	kg	13500 (29,700 lbs)	15500 (34,100 lbs)	19500 (42,900 lbs)	23000 (50,600 lbs)	16500 (36,300 lbs)	18500 (40,700 lbs)	20000 (44,000 lbs)	24000 (52,800 lbs)	
Item No.		1610164	1610165	1610149	1610166	1610167	1610168	1610150	1610169	

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