A-Turn CNC

250

CNC Compact Slant Bed Lathe 20x22'' to 20x39''

The A-Turn CNC headstock and ballscrew **anchoring seat** undergo precise **hand scraping** to achieve tighter alignments and tolerances between mating components, ensuring exceptional accuracy and overall stability. This process creates textured **oil pockets** with **high and low contact points**, optimizing lubrication between the **saddle** and **box guideways** for smooth movement while minimizing wear and heat from friction.

A-Turn CNC			250/570	250/1000
			20" x 22"	20" x 39"
Controller			FANUC 0i-TF	
Swing over Bed		mm	505 (20")	
Swing over Carriage		mm	318 (12.5")	
Max. Cutting Diameter		mm	300 (11.8")	
Max. Cutting Length		mm	570 (22.4")	1000 (39")
Spindle Nose		ASA	A2-5 [Opt. A2-6]	
Chuck Diameter		inch	(6) 8	
Spindle Speed		rpm	6000 [Opt. 4500]	
Spindle Motor Power		kW	15 (20 Hp)	
Bar Capacity		mm	44 to 75 (1.7 to 3")	
Travels	Z-Axis	mm	600 (23.6")	
	X-Axis	mm	220 (8.7")	
Rapid Traverse	Z-Axis	m/min	20 (780"/min)	
	X-Axis	m/min	20 (780"/min)	
Turret				**Live Tool Optional
Type			–	
Number of Tools		#	8 [Opt. 10, 12]	
Square Tool Shank Size		mm	20 (0.8")	
Round Tool Shank Size		mm	32 (1.3")	
Cs Spindle Index Angle**			[Opt. 0.01°]	
Max. Rotary Tool Speed**		rpm	[Opt. 6000]	
Rotary Tool Motor Power**		kW	[Opt. 2.2 (3 Hp)]	
Tailstock				
Tailstock Body Travel		mm	545 (21.5")	1045 (41")
Tailstock Quill Travel		mm	80 (3.1")	
Tailstock Quill Diameter		mm	75 (3")	
Quill Taper			MT4	
Dimensions (L/W/H)		mm	2900x1600x1700 (114x63x67")	3700x1300x1600 (146x51x63")
Weight		kg	3700 (8,100 lbs)	
Item No.			1610158	1610159

STANDARD CONFIGURATION

- FANUC 0i-TF Controller
- 8.4" Color LCD Monitor
- Hollow 3-Jaw Hydraulic Chuck
- Hydraulic Turret And Tool Holders
- Registered Part Program #s: 400 sets
- Part Program Size: 640 m
- RS-232 Interface
- Electric Cabinet Heat Exchanger
- Coolant System
- Full-Enclosed X/Z-Axis Way Cover
- Automatic Lubrication System
- Three-Color Warning Light
- Standard Soft Jaw and Hard Jaw
- Chip Conveyor and Chip Cart
- Tool Kit

OPTIONAL CONFIGURATION

- Servo Turret
- Collet Chuck
- Tool Setter
- External Control Box
- Parts Catcher
- Parts Conveyor
- Bar Feeder
- Bar Feeder Interface (7 or 24 Pins)
- Auto Door
- Oil Mist Collector
- Oil-Coolant Skimmer
- Electric Cabinet Air Cooler
- High Pressure Coolant System
- Transformer

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