KAAST

A-Turn CNC

300

CNC Slant Bed Lathe with Boxways 24x27'' to 24x118''

STANDARD CONFIGURATION

- FANUC 0i-T 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 & Chip Cart
- Programmable Tailstock
- 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
- Steady Rest

DRIVEN ATTACHMENT WITH C-AXIS

The C-axis has an extremely high resolution and thus enables production of extremely precise true to size work pieces. The tool turret from Sauter is standard with VDI tool holders. The high torque of the rotary tool allows powerful metal cutting in the lathes.

The **one-piece Meehanite** slant bed lathe features a low center of gravity and superior rigidity, providing enhanced stability and precision during operation. Its **flex-resistant**, **shock-absorbing headstock** is heat-treated and annealed twice, achieving a hardness of **HRC53**, which enables it to handle heavy cuts while maintaining high accuracy. For added versatility, the lathe is available with **Live-Tools** and a **C-Axis**.

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

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A-Turn CNC			300/700	300/1200	300/1640	300/2200	300/3000
			24” x 27”	24” x 47”	24” x 64”	24” x 86”	24” x 118”
Controller			FANUC 0i-T				
Swing over Bed		mm	612 (24.1”)				
Swing over Carriage		mm	400 (15.75”)				
Max. Cutting Diameter		mm	500 (19.7”)				
Max. Cutting Length		mm	700 (27.6”)	1200 (47.2”)	1640 (64.5”)	2200 (86.6”)	3000 (118”)
Spindle Nose		ASA	A2-8 [Opt. A2-11]				
Chuck Diameter		inch	10 [Opt. 12, 15]				
Spindle Speed		rpm	3500 [Opt. 2700, 2500]				
Spindle Motor Power		kW	18.5 (25 Hp) [Opt. 22 (30 Hp)]				
Bar Capacity		mm	75 (3”) [Opt.105 (4.1”)]				
Travels	Z-Axis	mm	750 (29.5”)	1250 (49.2”)	1750 (68.9”)	2250 (88.6”)	3100 (122”)
	X-Axis	mm	250+50 (9.8+2”)				
Rapid Traverse	Z-Axis	m/min	24 (945”/min)				
	X-Axis	m/min	20 (780”/min)				
Turret							**Live Tool Optional
Number of Tools		#	12				
Square Tool Shank Size		mm	25 (1”)				
Round Tool Shank Size		mm	40 (1.6”)				
C-Axis Index**			[Opt. 0.01°]				
Max. Rotary Tool Speed**		rpm	[Opt. 4000]				
Rotary Tool Power**		kW	[Opt. 3.7, 4.5 (5, 6 Hp)]				
Tailstock							
Tailstock Body Travel		mm	540 (21.2”)	1040 (41”)	1600 (63”)	2040 (80”)	3040 (120”)
Tailstock Quill Travel		mm	120 (4.7”)				
Tailstock Quill Diameter		mm	85 (3.3”)				
Quill Taper			MT5				
Dimensions (L/W/H)		mm	3000x1800x1800 (118x71x71”)		4500x1800x1800 (177x71x71”)	5000x1800x1800 (197x71x71”)	6500x1800x1800 (256x71x71”)
Weight		kg	5500 (12,130 lbs)		7500 (16,500 lbs)	9000 (19,800 lbs)	12000 (26,400 lbs)
Item No.			1610151	1610153	1610155	1610156	1610157

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