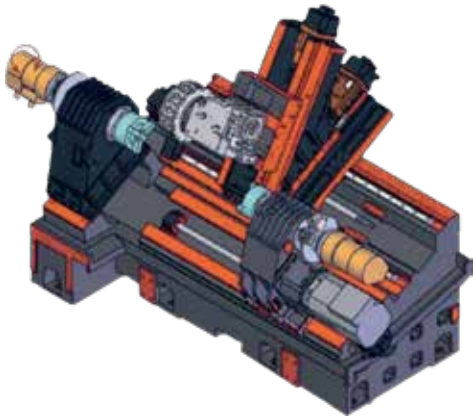
KAAST

A-Turn SYM

200 | 300

CNC Lathe with Optional Sub-Spindle, Y-Axis, or Live Tooling

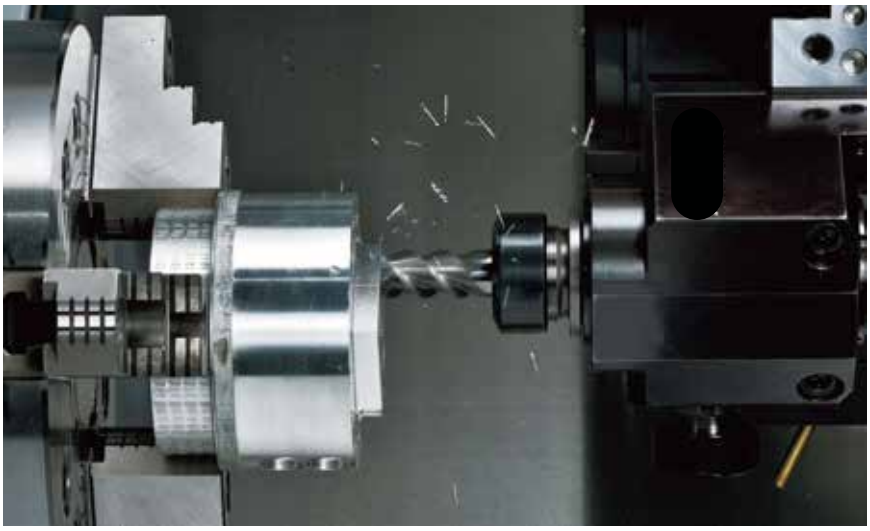


MULTI-AXIS MACHINING OPTIONS

The Y-Axis (SY, Y and SYM models), combined with C-axis spindle orientation and driven tools, allows complex turning and milling operations.

STANDARD CONFIGURATION

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



OPTIONAL CONFIGURATION

- Servo Turret
- Collet Chuck
- Tool Setter
- Parts Catcher
- Bar Feeder
- Bar Feeder Interface (7 or 24 Pins)
- Programmable Tailstock
- Auto Door
- Oil Mist Collector
- Oil-Coolant Skimmer
- Electric Cabinet Air Cooler
- High Pressure Coolant System
- Live Tool Holder
- Chip Conveyor / Chip Cart

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KAAST

A-Turn SYM

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The A-Turn SYM is available with several advanced features to enhance versatility and performance. These include a **sub-spindle (S)** capable of 6000 rpm with a 7.5 kW (10 Hp) motor, a **Y-Axis (Y)** offering **±50 mm** (±2”) of travel for off-center milling, and **live tooling (M)** powered by a **7.5 kW** (10 Hp) motor for complex machining tasks. An optional **C-Axis** is available for precise rotational positioning and is operated via a reliable **FANUC control system**.

A-Turn			200 S	200 SY	200 Y	300 S	300 SY	300 Y
			22.5” Swing Sub-Spindle	27” Swing Sub-Spindle + Y	27” Swing Y-Axis	27.5” Swing Sub-Spindle	36” Swing Sub-Spindle + Y	36” Swing Y-Axis
Controller			FANUC 0i-TF					
Swing over Bed		mm	570 (22.5”)	680 (26.75”)		700 (27.5”)	910 (35.75”)	
Swing over Carriage		mm	378 (15”)	485 (19”)		500 (19.6”)	720 (28”)	
Max. Cutting Diameter [Main Spindle]		mm	250 (9.8”)	240 (9”)		480 (18.75”)	420 (16.5”)	
Max. Cutting Diameter [Sub-Spindle]		mm	200 (7.75”)		–	375 (14.75”)		–
Max. Cutting Length		mm	440 (17”)			540 (21”)		
Spindle Nose		ASA	A2-6 [Opt. A2-5, A2-8]			A2-8 [Opt. A2-11]		
Chuck Diameter		inch	8 [Opt. 6, 10]			10 [Opt. 12, 15]		
Speed		rpm	4500 [Opt. 6000, 4000, 3500]			3500 [Opt. 2700, 2500, 2000]		
Spindle Motor Power		kW	15 (20 Hp)			18.5 (25 Hp) [Opt. 22 (30 Hp)]		
Bar Capacity		mm	52 (2.04”) [Opt. 44 (1.7”), 65 (2.5”), 75 (2.9”)]			75 (2.9”) [Opt. 90 (3.5”), 105 (4.1”), 116 (4.5”)]		
Sub Spindle								
Spindle Nose		ASA	A2-5		–	A2-5		–
Chuck Diameter		inch	6 [Opt. 8]		–	6 [Opt. 8]		–
Speed		rpm	6000 [Opt. 5000]		–	6000 [Opt. 5000]		–
Spindle Motor Power		kW	7.5 (10 Hp)		–	7.5 (10 Hp)		–
Bar Capacity		mm	44 (1.73”)		–	44 (1.73”)		–
Travels	Z-Axis	mm	600 (23.6”)			750 (29.5”)		
	X-Axis	mm	220** (8.6”)	220 (8.6”)		250+50 (9.8+1.9”)	275 (10.8”)	
	Y-Axis	mm	–	±50 (±1.9”)		–	±50 (±1.9”)	
	B-Axis	mm	585 (23”)		–	700 (27.5”)		–
Rapid Traverse	Z-Axis	m/min	20 (787”/min)			24 (944”/min)		
	X-Axis	m/min	20 (787”/min)			20 (787”/min)		
	Y-Axis	m/min	–	10 (393”/min)		–	10 (393”/min)	
	B-Axis	m/min	20 (787”/min)		–	20 (787”/min)		–
Turret								
Number of Tools		#	12			12		
Rotary Tools		kW	4.5 (6 Hp) 6,000 rpm					
Dimensions (L/W/H)		mm	3200x1600x1800 (126x63x70”)	3200x1800x2200 (126x70x87”)		3500x1800x1900 (138x70x75”)	3500x2100x2400 (138x83x95”)	
Weight		kg	4000 (8,820 lbs)	4500 (9,920 lbs)		5900 (13,010 lbs)	6500 (14,330 lbs)	6500 (14,300 lbs)
Item No.			1610320	1610321	1610322	1610323	1610324	1610325

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