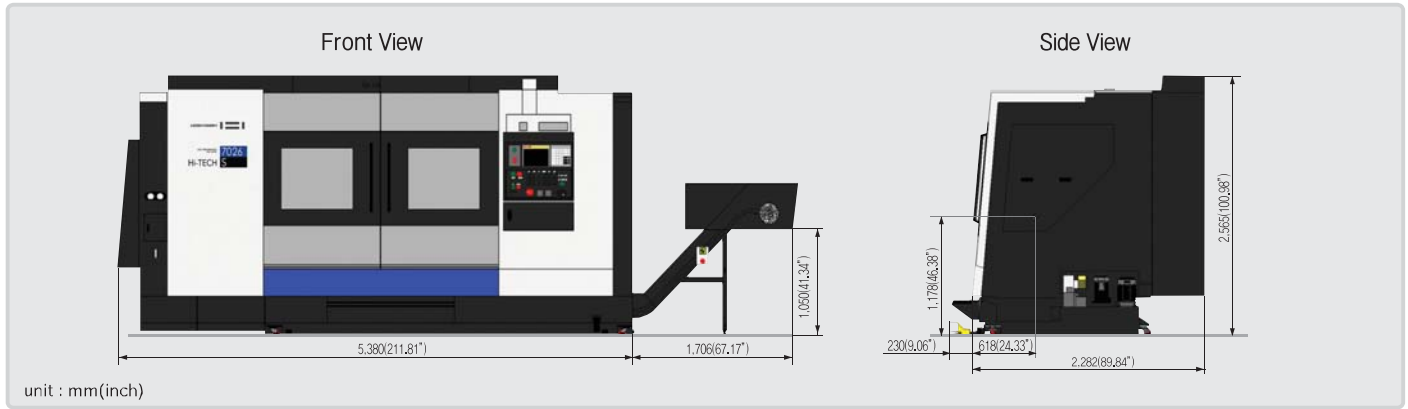


HI-TECH 7026

High Performance CNC Lathe





unit : mm(inch)

Machine Specifications

NC Specifications / FANUC18i-TB

(S : Standard, O : Option)

	ITEM	UNIT	HI-TECH 7026 / STD	HI-TECH 7026 / MC
CAPACITY	Swing over bed	mm(inch)	900(35.4)	
	Swing over cross slide	mm(inch)	385(15.2)	
	Max. turning diameter	mm(inch)	700(27.6)	
	Standard turning diameter	mm(inch)	381(15)	
	Max. turning length	mm(inch)	2,000(78.7)	
	Chuck size(Optional)	inch	24"(Air Chuck)	
SPINDLE	Max. spindle speed	rpm	900	
	Type of spindle nose	ASA	A2-20	
	Through spindle hole diameter	mm(inch)	300(11.8)	
	Spindle bearing inner diameter	mm(inch)	360(14.2)	
	Spindle motor	KW(HP)	45/37(60/50)	
	TURRET	Number of tools	EA	12
Tool size		mm(inch)	□32 x Ø60(□1.25 x Ø2.5)	
Turret indexing time(Tool to Tool)		sec	0.4	
FEEDRATE	Rapid (X/Z)	m/min(10m)	18/18(709/709)	
	Traverse (X/Z)	mm(inch)	385/2.070(15.2/81.5)	
	Feed motor (X/Z)	kW(HP)	7.0/7.0(9.0/9.0)	
TRUN MILL(OPT.)	Max. speed	rpm	-	20~2,000
	Max. drill/Tap size	mm(inch)	-	Ø50(Ø2.0) / M24
	Turn mill motor	KW(HP)	-	7.5/5.5(10.0/7.5)
	Min. index angle(C-axis)	°(deg)	0.001°	0.001°
TAILSTOCK	Quill dia.	mm(inch)	Ø150(Ø5.9)	
	Quill stroke	mm(inch)	150(5.9)	
	Quill taper	MT	#5	
TANK	Hydraulic tank	ℓ(gal)	50(13.2)	
	Coolant tank	ℓ(gal)	300(79)	
	Lubrication tank	ℓ(gal)	13(3.2)	
POWER SOURCES	Electrical power supply (cont.)	KVA	75	
DIMENSION	Floor space(L x W)	mm(inch)	5,380 x 2,320(211.9 x 91.3)	
	Height	mm(inch)	2,535(99.8)	
	Weight	Kg(lb)	15,850(34,943) / 15,950(35,164)	
CONTROLLER			FANUC 18i-TB	

Item	Spec.
Control axis	Control axis 2-axis S
	Control table axes expansion 4-axis (MC, SMC, S Type spec) O
	Simultaneous control axis/expansion 2-axis/4-axis S/O
Input operation	Least input increment 0.001mm/0.0001" S
	Axis name X,Z/U,W S
	Decimal point input Available S
	Inch/Metric conversion G20,G21 S
Interpolation	Positioning/Linear/Circular/Dwell G00/G01/G02,G03/G04 S
Feed	Feed per min/Feed per revolution G98/G99 S
	Minimum increment of MPG 0.001/0.01/0.1mm(0.0001" /0.001" 0.01") S
	Rapid traverse override F0,F25,F50,F100 S
	Jog override/ Feed rate override 0-1260mm/min/0-150% S
Program storage/edit	Program storage/Registered program 640M(240KB)/200EA S
	Program editing Deletion, Insertion, Alteration S
	Program /Sequence number search O/N number search S
	Absolute/incremental programming Combined use in the same block S
Coordinate system	Return to original point check G27 S
	Automatic zero-turn G28 S
	Coordinate system setting G50 S
	Tool offset memory 32pair S
	Tool geometric & wear offset S
	Tool nose radius compensation S
Operation support function	External miscellaneous function Machine lock, Single block, Dry run, S
	Auxiliary function switch Optional stop, Auto restart, Block skip
Data Input/Output	Input/Output Interface RS232C S
	Memory Card interface S
Embedded Ethernet	Embedded Ethernet interface S
S/T/M Function	Spindle(S) function Command is S followed by 4digits S
	Constant surface speed control G96,G97 S
	Tool(T)function Command is T followed by 2digits S
	Miscellaneous(M) function Command is M followed by 3digits S
Program support function	Single canned cycle G90, G92, G94 S
	Multiple repetitive cycles G70-G76 S
	Custom macro B S
	Programmable data input G10 S
	Direct drawing dimension programming S
	Chamfering/Corner R S
	Run hour display S
	Thread cutting cycle retract Thread cutting is temporarily stopped chamfering is executed and tool returns to starting point S
Display	LCD Display/Graphic display 10.4" color LCD S
	Multi-language display English/Korean/German/Italian/Spanish/Portuguese S
Safety/Maintenance	Stored stroke limit Soft O.T S
	1st spindle orientation S
	Background editing/Alarm history display S
	Clock/Help/Self diagnosis function S
OPTION	Part Program storage length 1280M(490KB)/2560M(980KB) 0
	Number of registerable program 400, 1000 EA 0
	Tool offset memory 64, 99,400,999 pair 0
	Multiple repetitive cycles II 0
	Workpiece coordinate system G54-G59 0
	Conversational automatic program Manual guide i 0
	Rigid tapping/Tool life management 0

* Specifications are subject to change without notice. Not responsible for misprints or typographical errors.

Standard Accessories

Optional Accessories

- | | |
|---|---|
| <ul style="list-style-type: none"> • Base for steady rest • C-Axis indexing(0.001°) • Coolant system • Door interlock • Foot switch • Hydraulic & lub unit • Leveling bolt & plate • Operation manual & parts list • Signal lamp(R,G) • Soft jaw • Tail stock(MT#5) <ul style="list-style-type: none"> - Body program - Quill program • Tooling system • Tool kit & box • Work light | <ul style="list-style-type: none"> • Air blower • Air gun • Automatic door • Bar feeder interface • Chip conveyor & box (cart type) • Chuck pressure check switch • Chuck pressure compensation • Coolant gun • Double door interlock • High pressure pump system, 6 bar • High pressure pump system, 10 bar • Pneumatic chuck(24") • NC switch cabinet cooling unit • Signal lamp with 3 colors • Steady rest (SMW autoblock) R520S • Tool & work counter • Tool presetter • Transformer (75 kVA) • Turn mill function • VDI 50 turret tooling system • CE mark |
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