

2a. SPECIFICATIONS

2a.1 MACHINE SPECIFICATION

Item		Unit	HI-TECH550							
			A	AL	AMC	ALMC	B	BL	BMC	BLMC
Capacity	Swing over bed	mm(inch)	Ø800(Ø31.49)							
	Max. turning dia.	mm(inch)	Ø590(Ø23.2)							
	Std. turning dia.	mm(inch)	Ø405(Ø15.9)		Ø275(Ø10.8)		Ø405(Ø15.9)		Ø275(Ø10.8)	
	Max. turning length	mm(inch)	1,100(43.3)		2,100(82.7)		1,100(43.3)		2,100(82.7)	
	Chuck size	inch	15"				18"			
Spindle	Max. speed	min ⁻¹	2,000				1,800			
	Spindle nose type	ASA	A2-11							
	Spindle through dia.	mm(inch)	Ø132(Ø5.19)							
	Max. bar size	mm(inch)	Ø117(Ø4.64)							
	Bearing inner dia.	mm(inch)	Ø180(Ø7.08)							
Turret	Number of tool	EA	10(opt.12)		12		10(opt.12)		12	
	Std. tool size	mm(inch)	□32 × Ø60 (□1.25 × Ø2.5)							
	Index time	sec	0.2							
Feed	Rapid	(X)	m/min(ipm)		20(787.4)					
		(Z)	m/min(ipm)		24(944.8) ["L" type 20(787.4)]					
	Max. traverse	(X)	mm(inch)		345(13.58)					
		(Z)	mm(inch)		1,150(45.3) ["L" type 2,150(84.6)]					
Tail stock	Quill diameter	mm(inch)	Ø120(Ø4.7)							
	Quill stroke	mm(inch)	150(5.9)							
	Quill taper	MT	#5							
Turn mill	Max. speed	min ⁻¹	-		4,000 [Opt 3,000]		-		4,000 [Opt 3,000]	
	Max. tool size (Drill/Tap)	mm(inch)	-		Ø32/M20		-		Ø32/M20	
	C-axis index angle	Degree	-		0.001		-		0.001	

Item	Unit	HI-TECH550							
		A	AL	AMC	ALMC	B	BL	BMC	BLMC
Motor	Spindle motor	kW(HP) 30/22(40.8/29.9) [Option : 37/30(50.3/40.8)]							
	Feed motor(X/Z)	kW(HP) 4/4(5.4/5.4) ["L" type 4/7(5.4/9.5)]							
	ATC motor	kW(HP) 1.8(2.4)							
	Turn mill spindle motor	kW(HP)	-	7.5/5.5(10/7.5) [Opt 11/7.5(15/10)]		-	7.5/5.5(10/7.5) [Opt 11/7.5(15/10)]		
	Hydraulic motor	kW(HP) 2.2(3)							
	Lubrication motor	kW(HP) 0.1(0.13)							
	Coolant motor	kW(HP) 0.6(0.8) / 2.2(Opt.)							
Power	Electrical power	kVA 75kVA							
	Compressed air	MPa 0.5 ~ 0.7(5~7kg/cm ²)							
Tank	Lubrication tank	ℓ (gal) 12(3.2)							
	Hydraulic tank	ℓ (gal) 50(13.2)							
	Coolant tank	ℓ (gal) 250(66) ["L" type 380(100)]							
Dimension	Height	mm(inch) 2,370(93.31)							
	Floor space (LxW)	mm(inch) 4,590(180.7)×2,400(94.5) ["L" type 5,590(220.1)×2,450(96.5)]							
	Weight	kgf(lb)	9,500 (20,944)	12,000 (26,455)	10,000 (22,046)	12,500 (27,558)	9,700 (21,385)	12,200 (26,896)	10,200 (22,487)
NC Controller		FANUC							

※ The contents of this manual are subject to change without prior notice.