

Machine Specifications

ITEM	Hi-TECH 550BB						
	550BB	550BB/MC	550BBL	550BBL/MC	500BBXL	500BBXL/MC	
Capacity							
Swing over Bed	mm (inch)	Ø800 (Ø31.50")					
Max. Cutting Diameter	mm (inch)	Ø590 (Ø23.23")					
Standard Cutting Diameter	mm (inch)	Ø275 (Ø10.83")					
Chuck Size (Opt.)	mm (inch)	Air chuck Ø470 (Ø18.5")					
Spindle							
Type of Spindle Nose	ASA	A2-15					
Max. Spindle Speed	rpm	1,500					
Through Spindle Hole Diameter	mm (inch)	Ø195 (Ø7.68")					
Max. Bar Size	mm (inch)	Ø190 (Ø7.48")					
Spindle Bearing Inner Diameter	mm (inch)	Ø240 (Ø9.45")					
Spindle Motor	kW (HP)	37/30 (50/40)					
Turret							
Number of Tool Station	ea	12					
Tool Size (OD x ID)	mm (inch)	□32 x Ø60 (□1.25" x Ø2.5")					
Turret Indexing Time	sec / step	0.2					
Axes							
Rapid Speed (X / Z)	m/min (ipm)	20/24		20/20		20/10	
Max. Stroke (X / Z)	mm (inch)	345/1,150 (13.58"/45.28")		345/2,150 (13.58"/84.65")		345/3,250 (13.58"/127.95")	
Feed Motor (X / Z)	kW (HP)	4/4(5.4/5.5)		4/7(5.4/9.5)		4/7(5.4/9.5)	
Tailstock							
Quill Dia.	mm (inch)	Ø120 (Ø4.72")					
Quill Stroke	mm (inch)	150 (5.91")					
Quill Taper	MT	# 5					
Turnmill (Opt.)							
Spindle Motor	kW (HP)	-	7.5/5.5 (10/7.5)	-	7.5/5.5 (10/7.5)	-	7.5/5.5 (10/7.5)
Max. Spindle Speed	rpm	-	4,000	-	4,000	-	4,000
Max. Drill / Collet Size	mm (inch)	-	Ø32(Ø1.26") /M20	-	Ø32(Ø1.26") /M20	-	Ø32(Ø1.26") /M20
Min. Index Angle	° (deg)	-	0.001°	-	0.001°	-	0.001°
Tank Capacity							
Lubrication	ℓ (gal)	12(3.17)					
Hydraulic	ℓ (gal)	50(13.21)					
Coolant	ℓ (gal)	250(66)		380(100)		580(153)	
Power Sources							
Electrical Power Supply	kVA	75					
Dimension							
Height	mm (inch)	2,400 (94.49")		2,450 (96.46")		2,660 (104.73")	
Floor Space (L x W)	mm (inch)	4,590 x 2,450 (180.71" x 96.46")		5,590 x 2,450 (220.08" x 96.46")		6,890 x 2,600 (271.26" x 102.36")	
Weight	kg _f (lb _f)	10,000 (22,046)	10,500 (23,148)	12,500 (27,558)	13,000 (28,660)	16,000 (35,274)	16,500 (36,376)
NC Controller	Fanuc 0i-TF (Opt.: Fanuc 31i-B)						