

Front Loading Turning Center

# LF1600 Series



Twin Spindle Front Loading CNC Turning Center

# LF1600 Series

- High speed gantry loader installation for cycle time reduction (Option)
- Vibration minimized through separated bed structure
- Symmetrical heat behavior headstock structure to minimize thermal displacement
- Box guideway for all axes
- High rigidity servo turret

# SPECIFICATIONS

## Specifications

[ ] : Option

ITEM			LF1600/2SP	LF1600M/2SP
CAPACITY	Swing Over the Bed	mm(in)	Ø370 (14.6")	
	Max. Turning Dia.	mm(in)	Ø260 (10.2")	
	Max. Turning Length	mm(in)	165 (6.5")	
	Bar Capacity	mm(in)	Ø45 (1.77")	
SPINDLE	Chuck Size	mm(in)	Ø165 (6.5")	
	Spindle Bore	mm(in)	Ø53 (2.1")	
	Spindle Speed (rpm)	r/min	4,500	
	Motor (Max/Cont.)	kW(HP)	7.5/5.5 (10/7.4)	
	Torque (Max/Cont.)	N·m(lbf·ft)	64/47 (47.2/34.7)	
	Spindle Type	-	BELT	
	Spindle Nose	-	A2-5	
	C-axis Indexing	deg	-	0.001°
FEED	Travel (X/Z)	mm(in)	140/165 (5.5"/6.5")	
	Rapid Traverse Rate (X/Z)	m/min(ipm)	24/24 (944.9/944.9)	
	Slide Type	-	BOX GUIDE	
TURRET	No. of Tool	EA	2×10	
	Tool Size	OD	mm(in)	□ 20 (0.8")
		ID	mm(in)	Ø32 (1.3")
	Indexing Time	sec/step	0.25	
LIVE TOOL	Motor (Max/Cont.)	kW(HP)	-	3.7/2.2 (5/3)
	Milling Tool Speed (rpm)	r/min	-	4,000
	Torque (Max/Cont.)	N·m(lbf·ft)	-	26.2/14 (19.3/0.3)
	Collet Size	mm(in)	-	Ø16 (0.6") ER25
	Type	-	-	BMT55P
TANK CAPACITY	Coolant Tank	ℓ (gal)	220 (58.1)	
	Lubricating Tank	ℓ (gal)	4 (1)	
POWER SUPPLY	Electric Power Supply	kVA	25	
	Thickness of Power Cable	Sq	Over 25	
	Voltage	V/Hz	220/60 (200/50)	
MACHINE	Floor Space (L×W)	mm(in)	1,900×1,936 (74.8"×76.2")	
	Height	mm(in)	2,210 (87")	
	Weight	kg(lb)	4,500 (9,921)	
NC	Controller	-	FANUC 31i-A	