



NTJ-100

Features:

- Upper turret with a B-axis ± 182 degrees
- Double Y-axis, upper / lower turrets
- 54 tool capacity
- 4-axis profile capabilities

Benefits:

- Simple angular feature processing
- 1 sec tool changes
- Reduced cycle times
- Complete Turn/Mill simulation software

Options:

- Tool setter
- High pressure coolant



NTJ-100 | Specs

Specification	Unit	NTJ-100		
Capacity		ø42mm	ø51mm (op.)	ø65mm (op.)
Max. Turning Diameter	inches (mm)	6.9 (175)		
Max. Turning Length	inches (mm)	26.7 (678)		
Bar Capacity	inches (mm)	max. 35.9, min. 7.9 (max. 910, min. 200)		
Chuck Size	inches (mm)	6 (165)		
Axis Travel				
Slide Travel X1 / X2	inches (mm)	13 / 5 (300 / 127.5)		
Slide Travel Z1 / Z2 / B2	inches (mm)	41 / 27 / 28 (1040 / 678 / 710)		
Slide Travel Y1/Y2	inches (mm)	±1.6 / ±1.3 (±40 / ±32.5)		
Left and Right Spindles				
Spindle Speed	min ⁻¹	6000	5000	4500
Left and Right Spindle	kW	11/7.5		
B1-axis (swiveling axis for upper turret)				
Swing Range	degree	182 (±91)		
Swing Mechanism	-	Servo Motor + Roller Cam		
Clamp Function	degree	Curvic Coupling (5), Brake (0.001)		
Upper Turret				
Number of Tools	-	24 + 6		
Type of Turret Head	-	Dodecagonal Drum Turret		
Number of Indexing Positions	-	24		
Milling System	-	Individual Rotation		
Number of Milling Stations	-	12		
Milling Speed	min ⁻¹	6000		
Milling Motor Power and Torque	kW (Nm)	7.1/2.2 (16/8)		
Lower Turret				
Number of Tools	-	24		
Type of Turret Head	-	Dodecagonal Drum Turret		
Number of Indexing Positions	-	24		
Milling System	-	Individual Rotation		
Number of Milling Stations	-	12		
Milling Speed	min ⁻¹	6000		
Milling Motor Power and Torque	kW (Nm)	7.1/2.2 (16/8)		
General				
Machine Dimensions (L x W x H)	inches (mm)	1550 x 82.7 x 101 (3800 x 2100 x 2565)		
Machine Weight	lbs (kg)	22046 (10,000)		
Control				
Control Type	-	FANUC 31i-B5 2-PATH		

*Specifications subject to change without notice

*1 Some tool holders have a max. 3600 rpm

Standard Equipment

- 2 in. (51mm) bar capacity
- 15 HP left and right spindles
- 9.5 HP milling at 6000 rpm
- 2 Y-axis turrets
- B-axis upper turret ±182 degrees
- 54 tool capacity
- 24 milling stations

Optional Equipment

- Tool setters
- High pressure coolant
- Chip conveyor



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