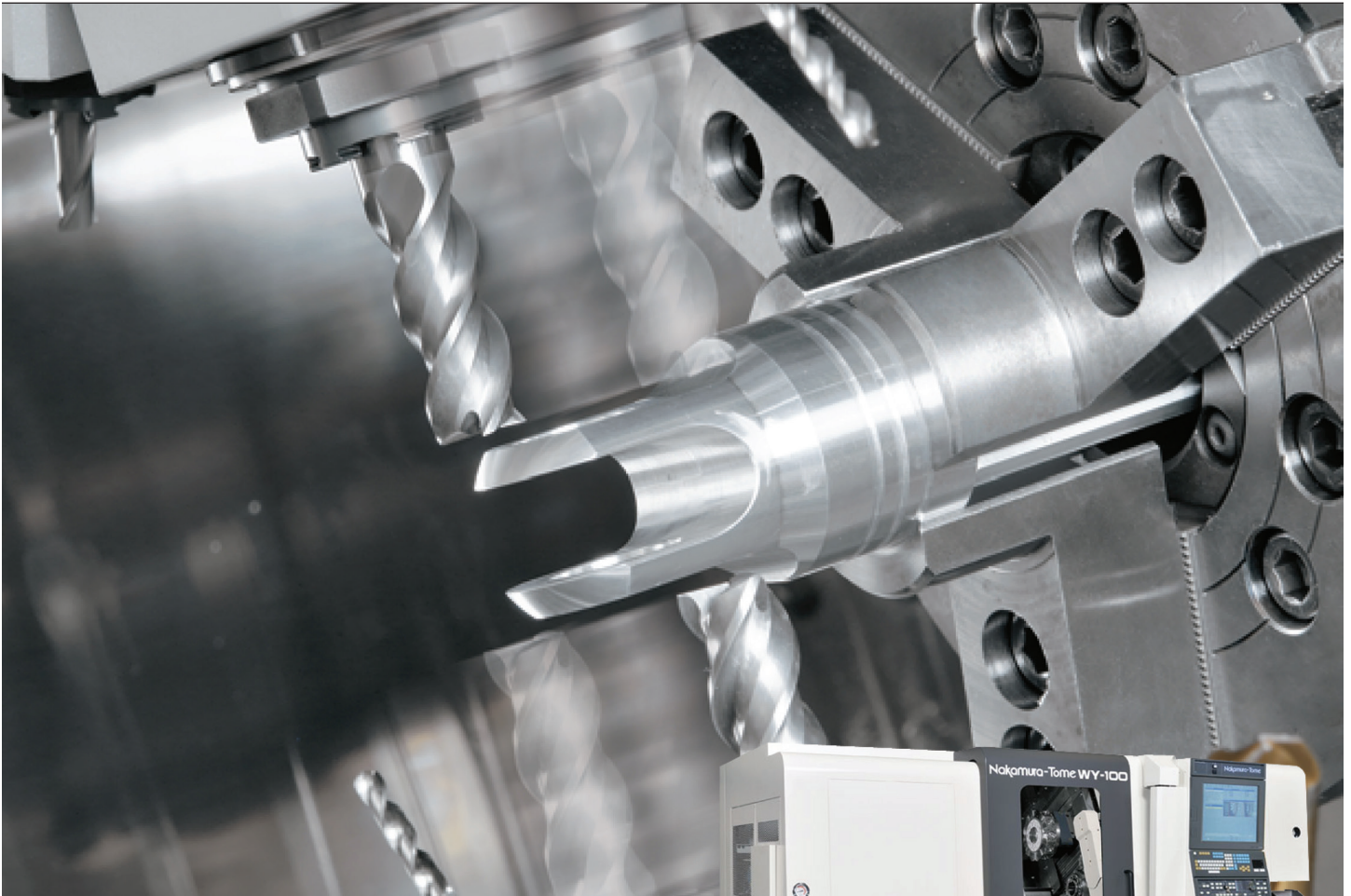




Nakamura-Tome

Twin Turret / Double Y-axis
to Maximize Productivity



WY-100

Features:

- 2 Y-axis Turrets
- 2.0 in. (51mm) bar capacity
- True twin spindle, both with 15 HP
- 12 station turrets with 1/2 indexing for 48 tools
- 24 station milling, 9.5 HP milling at 6,000 Rpm
- Complete Turn/Mill simulation software

Benefits:

- Pinch turning + pinch milling/drilling
- Reduce cycle time, with 2 tools cutting simultaneously
- 32.2 in. (818mm) between spindle faces

Options:

- Tool setter
- High pressure coolant

WY-100 | Specs

Specification	Unit	WY-100		
		ø42mm	ø51mm	ø65mm
Capacity				
Max. Turning Diameter	inches (mm)	6.9 (175)	7.9 (200)	
Standard Turning Diameter	inches (mm)	6.7(170)		
Distance Between Centers	inches (mm)	max. 32.3, min. 7.9 (max. 820, min. 200)		
Max. Turning Length	inches (mm)	23.2 (588)	22.5 (570)	
Bar Capacity	inches (mm)	1.7 (42)	2 (51)	2.6 (65)
Chuck Size	inches (mm)	6.5 (165)		
Axis Travel				
Slide Travel X1 / X2	inches (mm)	5.3 (135)	5.9 / 5.6 (150 / 141)	
Slide Travel Z1 / Z2	inches (mm)	23.2 / 22.8 (588 / 578)	22.5 / 22.1 (570 / 560)	
Slide Travel Y1 / Y2	inches (mm)	±1.2 (±31)	±1.3 (±32.5)	
Slide Travel (B-axis)	inches (mm)	24.4 (620)		
Rapid Feed X1 / X2	in./min. (m/min.)	629.9 (16)		
Rapid Feed Z1 / Z2	in./min. (m/min.)	1574.8 (40)		
Rapid Feed (B-axis)	in./min. (m/min.)	1574.8 (40)		
Rapid Feed Y1 / Y2	in./min. (m/min.)	236.2 (6)		
Left and Right Spindles				
Spindle Speed	-	6000min ⁻¹	5000min ⁻¹	4500min ⁻¹
Spindle Speed Range	-	Stepless		
Spindle Nose	-	A2-5		A2-6
Hole Through Spindle	inches (mm)	2.23 (56)	2.5 (63)	3.2 (80)
I.D. of Front Bearing	inches (mm)	3.2 (80)	3.6 (90)	4.3 (110)
Hole Through Draw Tube	inches (mm)	1.7 (43)	2.1 (52)	2.6 (66)
C-axis				
Least Input Increment	degrees	0.001		
Least Command Increment	degrees	0.001		
Rapid Index Speed	-	600min ⁻¹		
Cutting Feed Rate	deg/min	1 - 4800		
C-axis Clamp	-	Disk Clamp		
C-axis Connecting Time	seconds	1.5		
Upper and Lower Turrets				
Type of Turret Head	-	Dodecagonal Drum Turret		
Number of Tool Stations	-	24 Stations		
Number of Indexed Positions	-	24		
Tool Size Square / Round	inches (mm)	□.8, ø1 (□20, ø25)		
Rotating Tool				
Rotary System	-	Individual Rotation		
Spindle Speed	-	6000min ⁻¹		
Drive Motor				
Spindle Motor Output Power L / R	kW	11/7.5		
Spindle Motor Torque Power L / R	Nm	75.4/38.6	77/39.4	80.9/41.4
Driven Tools	kW (Nm)	7.1/2.2 (max. 16)		
General				
Machine Dimensions (L x W x H)	inches (mm)	109.5 x 81.5 x 76.38 (2780 x 2071 x 1940)		
Machine Weight	lbs (kg)	1634 (7400)		
Control				
Control Type	-	Fanuc 31i-A 2-PATH		

Standard Equipment

- Y-axis on both turrets
- ½ indexing for 24 station turrets
- 9.5 HP milling power
- 2.0 in. (51mm) bar capacity
- 6000 rpm milling on 24 stations
- 15 HP on both spindles
- Fanuc 31i-B5 control
- PC-G part removal arm

Optional Equipment

- Chip conveyor
- High pressure coolant
- Part eject cylinder
- Tool setter

*Specifications subject to change without notice



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