

Automated Process Perfection

*Fuji Automation -
Relied on by the World's
Most Demanding Industries*



► **TNW Series - 6-Axis Twin with Integrated Gantry Loader**

- Ideal for Batch Runs to High Volume Production
- Raw Material Output as a Completed Part
- Costly In-Process Inventory Drastically Reduced
- Dual Spindles, 10 or 12 Tool Turrets
- Drilling, Tapping and Milling on Both Spindles
- Gantry Loader, Tool Touch Probes, Work Stocker
- Flip Station Robotic Automation
- 6 - 12" Chucks
- Box Ways
- C-Axis Control of Both Spindles
- Live Tools
- FANUC 310i-A CNC Controller

The Fuji Advantage:

- Single Source Responsibility:
 - Fuji Dual Air Gap Spindles
 - Fuji Robot Controller
 - Fuji Gantry Robot
 - Fuji Auto Gauging
 - Fuji Work Stocker
 - Fuji PLC
- Over 50 Years Experience Providing the Highest Quality Automated Solutions



► **ANW Series -**
Dual Spindle CNC Lathes



► **ANS Series -**
Single Spindle CNC Lathes



► **VN Series -**
Vertical CNC Lathes



► **FS4 Series -**
High Output CNC Lathes



► **HM Series -**
5 Face
Machining Milling Cell

To see a demonstration of the TNW, or for more information, call 847-821-2432 or visit www.fujimachine.com/machines/tnw_series.html.

FUJI
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For more information,
visit www.fujimachine.com
Phone (847) 821-2432

► TNW Series

► FRONT AND BACK MACHINING ON ONE MACHINE

This dual spindle, dual turret CNC lathe integrates and streamlines our machining processes. The standard-equipped robot provides flexibility in automating your manufacturing system. By using the Fuji pass through concept, line efficiency is improved.

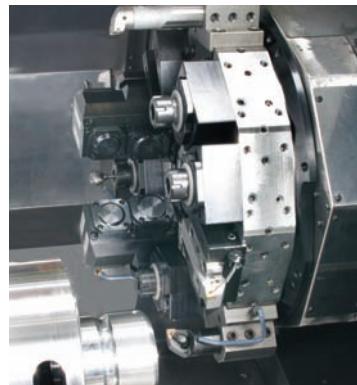
► 2 SPINDLE 1 ROBOT



► TWIN SPINDLE-TWIN TURRET

The dual opposed spindles and turrets are symmetrically mounted on a rigid column, keeping the vibration and thermal displacement to an absolute minimum. Interrupted and finish process is simultaneously possible on both spindles.

► TURRET



The turrets on the TNW Series Machines can accommodate live tools with C-axis controls.

TNW-3500R - Live Tool Specifications

Positions:	10
Spindle Speed:	Max 5000 rpm
Spindle Motor:	2.2/3.7 kw (3/5 hp)
Collet Size:	25 mm (1.0 inch)
Max. Clamping Tool Dia:	16 mm (0.6 inch)

TNW-4500R - Live Tool Specifications

Positions:	12
Spindle Speed:	Max 5000 rpm
Spindle Motor:	5.5/7.5 kw (7.5/10 hp)
Collet Size:	40 mm (1.5 inch)
Max. Clamping Tool Dia:	25 mm (1.0 inch)

► SPECIFICATIONS

Machine Specifications		TNW-3500R	TNW-4500R
Recommended work size when used with gantry loader	mm	Ø190 x 105 (Ø7.5 x 4)	Ø300 x 120 (Ø12 x 5)
Spindle dia.	mm(inch)	Ø100(3.9)	Ø120 (4.7)
Spindle nose		A2-6	A2-8
Spindle bore	mm (inch)	Ø56 (2.2)	Ø67 (2.6)
Spindle speed	rpm	Max. 4200	Max. 2910
Spindle motor	kW (hp)	11/15 (15/20)	18.5/22 (25/30)
Number of tool stations		10	12
Chuck size	inch	8 Std.	10 Std.
CNC control		FANUC 310i-A	FANUC 310i-A
Slide stroke	X-Axis	mm (inch)	275 (10.83)
	Z-Axis	mm (inch)	280 (11.02)
Feed motor	X-Axis	kW (hp)	3.0 (4.0)
Feed motor	Z-Axis	kW (hp)	3.0 (4.0)
Robot Specifications			
Robot		L676-H	L672-B
Carrying capacity	kg (lb.)	5+5 (11+11)	10+10 (22+22)
Robot controller		MAX SP1	MAX SP1
Machine Size			
Footprint	mm x mm (feet, inch x feet, inch)	3500 x 1880 (11'6" x 6'2")	4000 x 2240 (13'1" x 7'4")
Machine height	mm (feet, inch)	2750 (9'0")	3210 (10'6")
Machine weight	kg (lb.)	8000 (17600)	10000 (22000)

Specifications subject to change without notice.