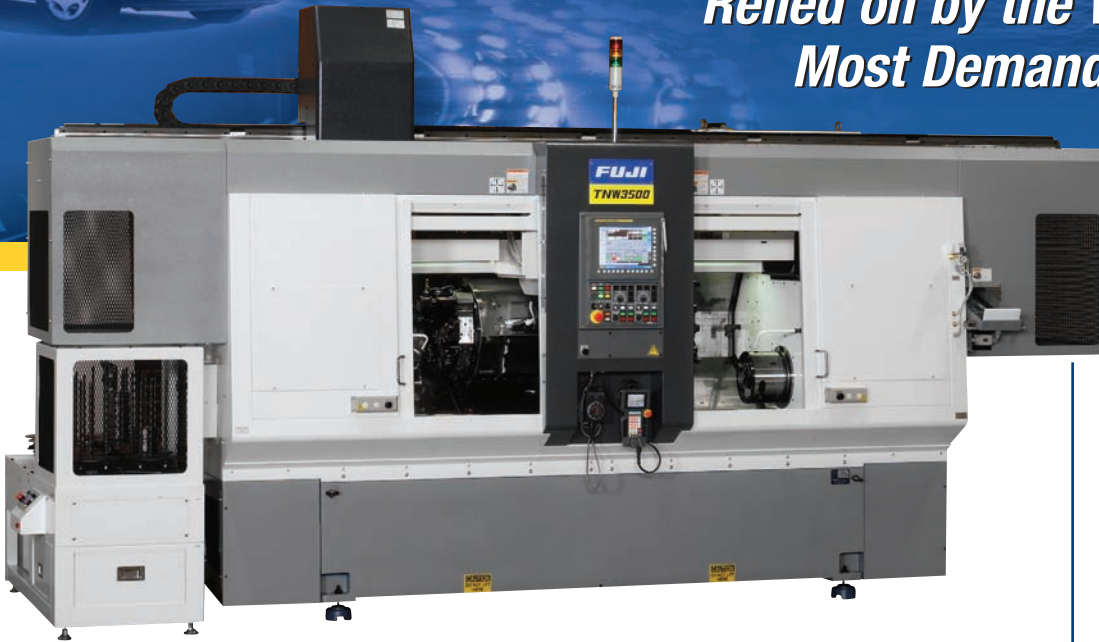


Automated Process Perfection

*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

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
Automated Process Perfection

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



▶ **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

▶ 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



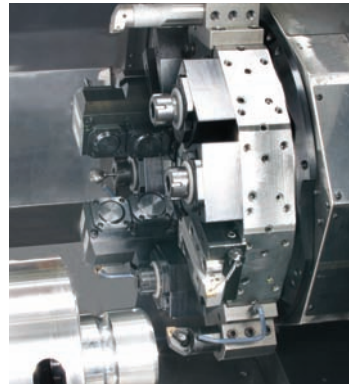
▶ TWIN SPINDLE-TWIN TURRET

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.

▶ 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)	395 (15.55)
Slide stroke	Z-Axis mm (inch)	280 (11.02)	465 (18.31)
Feed motor	X-Axis kw (hp)	3.0 (4.0)	4.0 (5.4)
Feed motor	Z-Axis kw (hp)	3.0 (4.0)	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)

▶ 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)