

June 26, 2026

Takisawa Machine Tool Launches, in Full Scale, TEX-2500S, a Middle-class Multi-tasking Machine with a Turret Lathe's Excellent Machining Speed and a Multi-tasking Machine's Versatility

- A Flexible, Fast, and Economical Product to Become the Next Generation's Standard Model -

Takisawa Machine Tool Co., Ltd. (the "Company") announced today this month's launch of TEX-2500S, a middle-class, tool-spindle-type multi-tasking machine that features both an excellent machining speed as a turret lathe and a uniquely high versatility as a multi-tasking machine. Adopting an "opposed twin-spindle + tool spindle" mechanical configuration, TEX-2500S is capable of machining different types of parts from lathes to gears.

This newly launched multi-tasking machine realizes a smooth transition from a combined machining CNC lathe to an ATC-equipped (automatic tool changer-equipped) multi-tasking machine. With an optimized structure, this compact and cost-saving model reflects high rigidity and accuracy from the Company's high-end TMX series. Evaluated highly after debuting at last year's EMO 2025, TEX-2500S will serve as your production base's "next-generation standard" to greatly contribute to realizing a more productive manufacturing site.



Multi-tasking machine TEX-2500S

■ Background leading to the development of TEX-2500S and its concept

As the manufacturing workplace is in a growing need of high-mix small-lot production and saving space, the Company has developed TEX-2500S based on a three-fold concept of "flexible (adaptable)," "fast (mobile)," "economical (efficient)." As an optimum model to step up from a conventional turret (capstan) lathe, TEX-2500S will help its users make their production more efficient.

■ Main features

1. Flexible (adaptable) – Efficient use of internal space and high flexibility for automation

- **High-capacity ATC to support high-mix small-lot production:** Capable of storing 30 tools as standard and up to 60 tools, TEX-2500S reduces machine setup frequency significantly for more efficient production.
- **Wide internal space:** With its tool spindle 15% shorter than those of conventional models, TEX-2500S enjoys a wider degree of freedom. When the X axis is at the origin position, the right spindle can move at any angle, eliminating unnecessary retraction/evacuation movements and helping reduce cycle time.
- **Variety of automation options:** TEX-2500S adopts various options to help automate the workplace, including the "Parts Catcher & discharge conveyor" unit – essential to bar-used consecutive machining – and an automatic tool setter – an advance tool measuring function to prevent troubles.

2. Fast (mobile) – Shorter non-machining time with an economical magazine layout

- **Fast, slewing-free ATC:** With an innovative magazine layout that can replace tools without slewing the tool spindle, TEX-2500S can replace a tool 14% faster than conventional models, to greatly contribute to realizing more efficient autonomous driving.

3. Economic (efficient) – With a footprint app. 30% smaller than conventional models, TEX-2500S brings full-scale composite processing closer to the user.

- **App. 30% reduction in footprint:** With its footprint 30% less than conventional models, TEX-2500S can be installed smoothly into a limited space in a factory.
- **Continuation of basic design concepts:** Though compact, TEX-2500S faithfully reflects the design concepts of the Company's high-end model, TMX series (e.g., a high-rigidity tool spindle and a bed structure that inhibits thermal displacement), maintaining high machining accuracy.

■ Main features of multi-tasking machine TEX-2500S

Chuck size	inch	10 + 10
Tool Spindle	-	CAPTO C6
Max. Turning Diameter / Length	mm	400/1,100
Bar Capacity	mm	80
Spindle Speed(right/left)	min-1	4,000/4,000
Tool Storage Capacity	piece	30/60 (optional)
Required Floor Space (width x depth x height)	mm	5,505 x 3,220 x 2,552

■ Website for details on multi-tasking machine TEX-2500S:

<https://www.takisawa.co.jp/english/product/fk/tex/tex-2500s.html>

■ Website for inquiries on the aforementioned product:

<https://www.takisawa.co.jp/english/product/contact.html>

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