

FOR IMMEDIATE RELEASE

Shibaura Machine to Showcase Large-Part Machining and Ultra-Precision Innovation at IMTS 2026

BTD-200QS Horizontal Boring & Milling Center, TUE-150(S) Vertical Boring & Turning Mill, and UVM Series (UVM 450D) take center stage in Booth 339424

ELK GROVE VILLAGE, IL. — September 11, 2026 — Shibaura Machine Company, America will showcase advanced machining technologies designed to help manufacturers increase precision, productivity, and process stability at **IMTS 2026**, taking place September 14–19 at McCormick Place in Chicago.

Visitors can experience Shibaura Machine technologies in the **South Hall, Booth 339424**, where the company will feature solutions spanning heavy-duty large-part machining, multitasking capability, ultra-precision processing, and connected manufacturing.

At the center of the exhibit will be the **BTD-200QS Horizontal Boring & Milling Center**, engineered for high-accuracy, high-metal-removal machining of large prismatic components. Built around a rigid machine structure, FANUC Series 31i-B Plus CNC and CAT50 BIG PLUS® spindle platform, the BTD-200QS is designed to maintain stable performance from roughing through finishing.

Its large machining envelope and high-capacity rotary table support complex multi-face machining, while an integrated **two-pallet Automatic Pallet Changer** allows operators to load and fixture one pallet while machining continues on the other. The configuration is designed to reduce spindle idle time and improve overall equipment utilization.

Shibaura Machine will also showcase the **TUE-150(S) Vertical Boring & Turning Mill**, a heavy-duty platform designed for accurate machining of large and complex workpieces. Its rigid construction and thermally stable design support consistent part quality across demanding turning applications.

With live-tool functionality, the TUE-150(S) expands beyond conventional turning by enabling milling and drilling operations within the same setup. Combining operations can reduce part handling and help manufacturers maintain relationships between critical features by machining them within a common coordinate system.

Ultra-Precision Nano Technology Comes to IMTS

IMTS 2026 will also provide manufacturers an opportunity to explore Shibaura Machine's growing **Nano Processing** capabilities in North America.

The company will highlight its **UVM Series**, including the UVM-450D, developed for applications where exceptional surface integrity and form accuracy are critical. Target

applications include optics, medical devices, semiconductor components and precision dies.

The UVM platform incorporates an in-house 60,000 RPM spindle and a minimum setting unit of 0.01 µm. Proprietary technologies including **Form Eye**, for on-machine tool geometry measurement, and **Shape Eye**, for tool-path vector compensation, are designed to address tool-geometry-driven error and support extremely precise machining results.

The introduction reflects Shibaura Machine's continued expansion of ultra-precision machining solutions for manufacturers throughout North America.

Connecting Machine Performance with Real-Time Data

In addition to machining technology, visitors will be able to learn about **machiNetCloud**, Shibaura Machine's Industrial Internet of Things (IIoT) platform for monitoring equipment and production data.

By bringing machine information into a connected environment, manufacturers can gain greater visibility into operating conditions, utilization, and production performance—helping teams identify opportunities to improve uptime and productivity.

“IMTS gives us the opportunity to connect directly with manufacturers and understand the challenges they are working to solve,” said **Yoshiaki Kai, President of Shibaura Machine Company, America**. “From large-part machining and multitasking to ultra-precision processing and connected manufacturing, our goal is to provide technologies and local expertise that help our customers improve productivity, quality, and long-term competitiveness.”

Together, these technologies demonstrate Shibaura Machine's ability to support manufacturers across a broad spectrum of production needs—from heavy-duty large-part machining and multi-operation processing to ultra-precision manufacturing and connected machine intelligence. By bringing the BTD-200QS, TUE-150(S), UVM 450D, and machiNetCloud together at IMTS 2026, Shibaura Machine will showcase how precision engineering, productivity, automation, and real-time data can work together to help manufacturers improve quality, reduce downtime, streamline operations, and remain competitive in an increasingly demanding production environment.

Attendees can learn more about Shibaura Machine's IMTS exhibit, featured technologies:

<https://shibaura-machine.com/imts-2026/>

Photo 1 — BTD-200QS Horizontal Boring & Milling Center

Shibaura Machine's BTD-200QS is a heavy-duty horizontal boring and milling center designed for high-accuracy, high-metal-removal machining of large prismatic parts. The machine combines a rigid structure with a FANUC Series 31i-B Plus control, CAT50 BIG PLUS® spindle platform, large work envelope, and high-capacity rotary table. A two-pallet Automatic Pallet Changer allows loading and fixturing on one pallet while machining

continues on the other, helping reduce spindle idle time and improve overall equipment utilization.

Photo 2 — TUE-150(S) Vertical Boring & Turning Mill

The TUE-150(S) Vertical Boring & Turning Mill is engineered for high-accuracy, heavy-duty machining of large and complex workpieces. Its rigid construction and thermally stable design support consistent part quality and reliable accuracy, while live-tool functionality and an automatic tool changer allow turning, milling, and drilling operations to be completed in a single setup. The machine is equipped with a FANUC Oi-TF control.

Photo 3 — UVM Series (UVM-450D)

Shibaura Machine's UVM Series is designed for ultra-precision manufacturing applications where surface integrity and form accuracy are critical. The UVM-450D features an in-house 60,000 RPM spindle and a 0.01 µm minimum setting unit, with applications including optics, medical devices, semiconductor components, and press dies. Proprietary technologies such as Form Eye for on-machine tool geometry measurement and Shape Eye for tool-path vector compensation help address tool-geometry-driven error and support extremely precise machining results.

Photo 4 — MachiNetCloud IIoT Dashboard

Shibaura Machine's machiNetCloud platform provides manufacturers with real-time visibility into machine status, production performance, tool life, operating conditions, and other key manufacturing data through customizable dashboards. The secure IIoT solution helps teams monitor equipment performance, identify downtime and productivity opportunities, and make more informed production decisions from connected machine data.

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About Shibaura Machine

Shibaura Machine is a global manufacturer of advanced industrial machinery and manufacturing solutions with engineering roots extending back more than a century. The company's engineering heritage dates back to 1875 with the establishment of Shibaura

Engineering Works in Japan. Founded in 1938, Shibaura Machine operated under the Toshiba Machine brand from 1961 until 2020. Through continuous research and development, the company combines precision mechanical engineering, electronics, controls and automation technologies to help manufacturers improve productivity, quality and operational performance.

Shibaura Machine's portfolio includes CNC machine tools, ultra-precision Nano processing systems, injection molding machines, die casting machines, automation solutions and connected manufacturing technologies. As a vertically integrated manufacturer, Shibaura Machine develops and manufactures technologies designed to deliver precision, reliability and long-term value for customers across a wide range of industries.

Shibaura Machine Company, America is headquartered in Elk Grove Village, Illinois, providing sales, service, parts, training and technical support to customers throughout North America.

For more information, visit **shibaura-machine.com**.