Shibaura Machine at K 2025:

Transforming Manufacturing: Smarter, More Efficient, and Sustainable Turnkey Injection Molding Solutions

- New generations of electric and hydraulic injection molding machines set new standards in performance, precision, and efficiency
- Innovative auxiliary equipment and IIoT platform 'machiNetCloud' enable smart, connected factory operations
- Shibaura Machine brand: Celebrating 76 years of excellence in injection molding technology

(Tokyo, Elk Grove Village, Milan, July 31, 2025) At K 2025 in Düsseldorf (Hall 15 / Booth B21), Shibaura Machine will present its next-generation injection molding innovations: the EC-SXIII All-Electric series and the S-GenXt Hydraulic series. Featuring advanced processing capabilities, these machines set new benchmarks for performance and precision in plastics manufacturing. Enhancing this offering is a newly developed line of auxiliary equipment, providing plastics manufacturers with comprehensive, turnkey solutions for cost-effective and efficient production. Completing the ecosystem is the Industrial IoT platform 'machiNetCloud,' which enables smarter, connected, and more sustainable factory operations.

'Smart. Green. Sustainable.' – Taking Production into a New Era
Under the theme 'Smart. Green. Sustainable.', Shibaura Machine will demonstrate how its integrated system expertise helps manufacturers transform their production environments. The focus is on maximizing energy efficiency and delivering cutting-edge technology known for minimal maintenance requirements and exceptional longevity.
"*With the new EC-SXIII All-Electric and S-GenXt Hydraulic series, we're redefining injection molding. These machines enhance performance, precision, and operational efficiency, driving smarter and more economical production. At the same time, we're advancing our capabilities in digitalization and sustainability,*" says Shigetomo Sakamoto, President of Shibaura Machine Group.

The company's AI-powered monitoring system, Virtual Machine Expert, continuously monitors production processes, proactively detecting potential component issues before they result in unplanned downtime. This advanced predictive maintenance capability enhances productivity and ensures greater operational reliability. Integrated with the machiNetCloud IIoT platform, all machines at the booth will showcase real-time data through interactive dashboards. The machiNetCloud platform delivers valuable insights, enabling injection molders to optimize production workflows, improve efficiency, and maximize Overall Equipment Effectiveness (OEE).

Both molding applications at K 2025 will produce parts using recycled polyethylene terephthalate (rPET), showcasing Shibaura Machine's commitment to environmental responsibility. *"By utilizing rPET derived from post-consumer plastics like bottles and packaging, we're supporting a shift towards sustainable injection molding and a circular economy,"* Sakamoto adds.

Next-Generation Machines: Smarter, Connected, and More Efficient
The EC75SXIII All-Electric injection molding machine will be the centerpiece of Shibaura Machine's booth, showcased in a fully automated, high-efficiency production cell. This system will manufacture sleek business card holders using a single-cavity rPET mold from CNN Plastic System with a clamping force of 75 tons. The automated cell seamlessly integrates component production, logo printing, and final assembly—delivering superior precision, speed, and energy efficiency. Supporting auxiliary equipment includes a 6-axis robot (TV1000 & TVM900), the HCD50 Compact Dehumidified Air Dryer, and the LTAC 3.5 Air-Cooled Chiller from Shibaura Machine. Additional components include the IXW-800SVIP take-out robot from Star Automation and a logo printing system provided by Roboprint.

The S-GenXt 180-7A Hydraulic injection molding machine will be featured in a second fully automated production cell, producing rPET food containers using a 2-cavity mold from CNN Plastics System. In-mold labeling is seamlessly integrated with WETEC's W830X system, applying labels directly during production. Equipped with Shibaura Machine's proprietary binary injection technology, the S-GenXt achieves faster cycle times and lowers production costs, eliminating the need for expensive accumulators or additional components. The cell also incorporates the HCD150 Compact Dehumidified Air Dryer and the LTAC 5 Air-Cooled Chiller for optimized performance. All S-GenXt machines and auxiliary equipment are manufactured at Shibaura Machine's state-of-the-art facility in India.
"*Whether it's material handling, drying, or temperature control, our smart solutions enhance both electric and hydraulic injection molding operations*," says Sakamoto.

Auxiliary Equipment and IIoT for the Smart Factory of the Future
"*Shibaura Machine empowers customers managing challenges in a smart, environmentally friendly and future-proof way. Our new line of auxiliary equipment, designed for seamless integration with our All-Electric and Hydraulic machines, provides cost-effective turnkey solutions. And with machiNetCloud, manufacturers can improve uptime, boost efficiency, and achieve measurable ROI across your manufacturing floor,*" Sakamoto explains.

The auxiliary lineup includes industrial robots for material handling, inspection, packaging, assembly, and cleanroom production. The product line begins with the Cartesian range, which can be used as individual actuators or combined into fully interpolated 2-, 3- or 4-axis solutions. Also available is the SCARA series, offering a wide selection of arm lengths and options, with an industry-leading reach of 1,200 mm and a payload capacity of 20 kg. An extensive range of 6-axis robots will also be on display, integrated with the injection molding machines.
The powerful IIoT platform "machiNetCloud" turns factories into smart, connected operations, unlocking the full potential of Industry 4.0 and beyond. Built to support both all-electric and hydraulic injection molding machines, as well as auxiliary equipment, machiNetCloud provides seamless connectivity and a centralized view of your operations. With features like real-time monitoring, predictive maintenance, energy tracking, and performance analytics, it empowers decision-makers to act proactively reducing unplanned downtime, optimizing cycle times, and lowering total cost of ownership.

76 Years of Expertise in Japanese Injection Molding Technology
Founded by Toshiba in 1938, the company has operated under the Shibaura Machine brand since 2020. With over 76 years of experience, Shibaura Machine continues to lead in the development of precision injection molding solutions. Originally founded by Toshiba in 1938, the company has operated globally under the Shibaura Machine brand since 2020.“*Since our foundation, we have continuously pushed the boundaries of industrial technology*,” says Sakamoto. “*Our legacy is built on a foundation of precision engineering, unwavering quality, and a deep commitment to customer success. Today, with operations across Asia, the Americas, and Europe, we deliver world-class technology and localized service that meet the evolving needs of manufacturers worldwide*.”

Pictures:

- **EC-SXIII All-Electric series**: Shibaura Machine’s ECSXIII all-electric injection molding machine series delivers exceptional versatility, high performance, and superior energy efficiency. Designed for maximum flexibility, it accommodates a wide range of molding applications—including automotive, aerospace, packaging, medical, and more. Available in models ranging from 50 to 3,000 metric tons of clamping force.
- **S-GenXt Hydraulic series**: The Shibaura Machine S-GenXt series delivers robust performance with its five-point twin toggle clamping, energy-efficient servo hydraulics, and user-friendly controls—ideal for a wide range of applications from automotive to medical.
- **Auxiliary equipment**: Shibaura Machine’s advanced auxiliary equipment delivers precision, efficiency, and control—optimizing every phase of your electric or hydraulic molding operations.
- **IIoT platform ‘machiNetCloud’:** Shibaura Machine’s machiNetCloud IIoT platform empowers your plant with real-time monitoring, predictive maintenance, and performance analytics to drive efficiency, minimize downtime, and maximize ROI.

Note: Shibaura Machine will hold a press conference at K 2025 on Thursday, October 9, at 1.30 pm. Invitation and detailed information to come.

Press Contact:

Europe (Italy, Spain, France, Southern and Eastern Europe):
Jessica Turco
E.P.F. Elettrotecnica S.r.l.
Phone: + 39 017375106
Email: jessica.turco@epf.it
Web: www.shibaura-machine.eu

Europe (Germany, Switzerland, Austria, Benelux, Scandinavia):
Imre Szerdahelyi
Szerdahelyi Marketing and Communication Consultancy
Phone: + 49 172 855 9887
Email: isz@imreszerdahelyi.de
Web: www.shibaura-machine.eu

Europe (United Kingdom):
Nigel Smith
CEO TM Robotics (Europe) Ltd.
Phone: +44 (0) 794-912-2820
Email: nigel@tmrobotics.co.uk
Web: www.shibaura-machine.eu

Americas (United States, Mexico, Canada):
Evelyn Olson
Phone: +1 847-212-9106
Email: eolson@shibuara-machine.com
Web: https://shibaura-machine.com

East Asia:
Sun Zhaoyu
Email: sun.zhaoyu@shibaura-m.com
Web: https://www.shibaura-machine.co.jp/en/

Southeast Asia:
Yu Aoki
Email: aoki.yuu@shibaura-m.com
Web: https://www.shibaura-machine.co.jp/en/

About Shibaura Machine:
Shibaura Machine is a leading global manufacturer of precision injection molding machines, machine tools, die casting machines, industrial robots, and extruders. 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. Over the decades, Shibaura Machine has continually evolved, meeting challenges and embracing innovation, to become a premier global manufacturer renowned for its advanced, precise, and highly reliable machinery.
The company was among the first in the world to introduce mechatronics-oriented production systems and pioneered the development of all-electric injection molding machines, launching them to market in 1998. Today, Shibaura Machine operates across Asia, the Americas, and Europe, with 45 locations and 6 state-of-the-art manufacturing facilities worldwide. The company employs approximately 4,720 people globally.
More information: www.shibaura-machine.co.jp