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FOR IMMEDIATE RELEASE:

**SODICK PLUSTECH CELEBRATES 20 YEARS IN NORTH AMERICA,
INTRODUCES NEW MODELS AT NPE2024 PLASTICS SHOW IN ORLANDO**

ELK GROVE VILLAGE, Ill. (April 30, 2024) - Plustech Inc., a renowned industry leader specializing in injection molding machinery and equipment, is headed to Orlando for NPE: The Plastics Show, May 6 - 10 in Booth W3581, where they will be introducing new equipment, while running five different machines in collaboration with more than 20 vendor partners in the booth, including dryers, loaders, robots, molds, temperature control units, materials, and more.

“The parts we’ll be running, are probably some of the most difficult, and precise that anyone will be producing onsite,” said Kohei Shinohara, Vice President, Plustech, Inc., Sodick’s Injection Molding Machinery Division. “These sophisticated machines provide precision to 1/1000th of an inch, with every single shot. That’s hard to imagine, but we’ll be doing it in the booth, in real time.”

Sodick Plustech will showcase its latest advancements in machinery and technology at NPE, including two next generation machines, the vertical with rotary table **VR-G Series**, and an electric injection molding **MS-G2 Series**. Both new products were shared publicly in the U.S. for the first time at an [NPE “Sneak Peek” event](#) in April at the company’s North American headquarters in Elk Grove Village, Illinois.

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Both machines feature Sodick's proprietary V-LINE technology, with various improvements in display, energy efficiency, response time and overall user experience. More information on the individual machines and their features can be found on the company's recently released new website at www.plustech-inc.com.

In celebration of 20 years of doing business in North America, Plustech will be offering attendees a chance to win a Trip for Two to Chicago including airfare and two night's stay in a downtown hotel, when they sign up for a free Mold Trial before Dec. 31, 2024, at Plustech's new, state of the art, 138,000 square foot facility in Elk Grove Village, just outside of Chicago. Keeping in the Chicago spirit, three runners-up will have the Windy City brought to them via a special delivery Chicago-style deep dish pizza, delivered anywhere in North America. All winners will be announced on LinkedIn.

Some of what attendees to the Plustech Booth will experience includes:

- The VR40G, a fully-automated vertical two-station low profile machine running PPS materials from Polyplastics
- Continuous live demonstrations featuring the multi-cavity, fast-response 20-ton, all-electric MS100 G2 machine with a high-cycle mold by Flocon Inc.
- Expert insights from the team and nearly two dozen vendor partners and their experts, making Plustech's booth one of the most collaborative being featured at the event
- Exclusive opportunity to enter a Chicago Giveaway when scheduling a free mold trial

Among the display machines and partners will be Sodick's GL60A-LSR horizontal machine, with multi-cavity flashless liquid silicone rubber molding utilizing Nexus tooling and pumping units. Sodick will also spotlight its LP20EH3 IMM, using Sumitomo Chemical's SumikaSuper LCP material, and a high-precision, high-cycle Matrix Tool mold.

"By showcasing our machinery, we open doors to opportunities for innovation," said Shinohara. "We always enjoy finding new ways to use our current machines, but having others in the field experience the latest technology translates into better solutions for a broader audience."

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Sodick New Product: MS-G2 series

On view at NPE will be Sodick Co., Ltd.'s newly-launched MS G2 Series of their electric injection molding machines. The MS Series features the eV-LINE® system, utilizing servo motor-driven injection and plasticizing devices based on the precise and highly reproducible V-LINE® method. Through controlling the measurement values and injection position information in a closed loop, the system improves position accuracy and achieves advanced repeatability stability in plasticizing, metering, and injection. Compared to hydraulic models, the electrification of each device significantly reduces power consumption and improves the quietness of operation.

The new MS G2 Series inherits the high repeatability stability, productivity improvement, energy-saving effects, and IoT compatibility of the previous MS Series. Additionally, it complies with the international safety standard ISO20430 (JIS B 6711), includes a new controller, and adopts a new operation screen, thereby achieving further improvements in control precision and evolution as a next-generation injection molding machine.

Features of the MS G2 Series include:

- 1. Stable High-Precision Molding with Unique Servo Motor Control**
Technology: By combining the eV-LINE® method, which consists of separate plasticizing and injection units, with Sodick's unique servo motor control technology, it achieves accurate and highly repeatable molding.
- 2. Improved Control Precision with New Controller and Standard Logical IO:**
The development of Sodick's sophisticated communication system has improved the response time of injection control and control precision for each operation. Additionally, they've adopted a temperature control system for more precise regulation of heater temperature, achieving more stable, high-precision molding.
- 3. Larger Operation Screen for Increased Information Display and Smooth UI experience:** The development of Sodick's advanced control system has increased digital processing speed. Upgrading to a 19-inch operation screen enhances the amount of information displayed, the graphical representation of machine state data, and the real-time display of cycle charts, improving screen visibility. While maintaining the highly operable screen switch layout of the previous model, operations such as pinch-in/out and swiping are available, resembling smartphone interactions.

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4. **IoT Compatibility for Advanced Production Systems with Big Data:** By networking with peripheral devices and other equipment, Sodick is able to manage molding environments and conditions for each product, adapting to advanced production systems using IoT and big data. Standard LAN ports facilitate connections to our quality & production management system V Connect, M2M, and compliance with EUROMAP77 and EUROMAP82 (OPC UA communication).
5. **Compliance with International Safety Standards:** The machine complies with the international safety standard ISO20430 (JIS B 6711).
6. **Standard Molding Application Features:** The MS G2 Series in the eV-LINE® method includes several applications as standard features to facilitate setting conditions for a wide range of users and molding methods, such as pressure filling control (pressure priority control), injection link clamping function, and clamping during injection for effective venting measures.
7. **Reduction in Power Consumption:** The MS G2 Series achieves high energy-saving effects by electrifying all drive systems and supplying energy as needed, reducing energy loss. The series achieves up to a 28% reduction in power consumption compared to other Sodick hybrid models.

Sodick New Product VR-G series

Another new machine that will be running live demos all week at NPE will be Sodick Co., Ltd's VR G Series, the successor to their hybrid vertical rotary injection molding machine VRE Series. Known for its V-LINE + electric hybrid direct pressure clamping feature, the VRE Series achieves stable molding and high quality. It has contributed to customers in various fields, such as electrical/electronics, automotive, and medical devices, pursuing further high-added-value products through precision insert molding.

The new VR G Series inherits the accurate filling and stable plasticization of the VRE Series via V-LINE® and the precise and uniform clamping force provided by Sodick's hybrid direct pressure clamping, while complying with the international safety standard ISO20430 (JIS B 6711). The incorporation of a new controller and a new operation screen further enhances control capabilities and marks the arrival of a next-generation injection molding machine.

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Features of the VR G Series include:

- 1. Stable High-Precision Molding with Unique Hydraulic Servo Control Technology:** Combining the V-LINE® system, which includes separate plasticizing and injection units, with Sodick's proprietary hydraulic servo control technology allows for accurate and highly reproducible molding, even under conditions requiring high speed, high pressure, and long holding times.
- 2. Improved Control Precision with New Controller:** The development of Sodick's sophisticated communication system has improved the response time of injection control and control precision for each operation. A temperature control system has been adopted for more precise heater temperature control, achieving more stable, high-precision molding.
- 3. Larger Operation Screen for Increased Information Display and Smooth UI experience:** The development of Sodick's advanced control system has increased digital processing speed. The upgrade to a 19-inch operation screen enhances the amount of information displayed, the graphical representation of machine state data, and the real-time display of cycle charts, improving screen visibility. In addition, while maintaining the highly operable screen switch layout of the previous model, with operations such as pinch-in/out and swiping available.
- 4. IoT Compatibility for Advanced Production Systems with Big Data:** By networking with peripheral devices and other equipment, customers are able to manage molding environments and conditions for each product, adapting to advanced production systems using IoT and big data. Standard LAN ports facilitate connections to Sodick's quality & production management system V Connect, M2M, and compliance with EUROMAP77 and EUROMAP82 (OPC UA communication).
- 5. Compliance with International Safety Standards:** The machine complies with the international safety standard ISO20430 (JIS B 6711).
- 6. Expanded Mold Size Capacity:** The VRE Series already boasts one of the largest mold size capacities in the industry, and the VR G Series expands on this even further (up to 50% increase compared to our own models), accommodating larger and more complex molds. For reference, mold installation area expansion rates are as follows: VR03G: 1.3 times, VR20G: 1.25 times, VR40G: 1.5 times, VR75G: 1.15 times, VR100G: 1.08 times, and VR150G: 1.13 times.

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ABOUT PLUSTECH INC.

Plustech Incorporated is a joint venture between Sodick Co. Ltd. and Yamazen Corporation, bringing Sodick V-LINE Two Stage Plunger Injection Molding machinery to North America. Plustech has made a commitment to delivering the highest quality machines, the strongest technical support, and the most experienced service team to ensure its customers' profitability and competitive edge toward productivity in the high-demand injection molding manufacturing industry. Based in a new, state-of-the-art 138,000 square foot facility in Elk Grove Village, Illinois, 2024 marks the 20th anniversary of serving North America. For more information, visit on the web at www.plustech-inc.com, or call 847-490-8130.