



News Release

Festo Shows Exceptional Solutions for the Pharma and Biotechnology Industries at Interphex

Festo's partnerships with customers extend from the lab to processing facilities.

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ISLANDIA, NY, April 9, 2024 — [Festo's](#) collaboration with customers leads to innovations in the pharma and biotechnology industries, many of which are displayed at Interphex. The company strives for integrated solutions from lab research and development to full-scale production. **(Interphex 2024, April 16-18, Javits Center, New York City, Festo Booth #1437)**

Festo Customer Solutions (the company's fabrication, assembly, and engineering services) is now unified throughout North America. This milestone increases Festo customization capabilities and enables engineering companies, system integrators, and original equipment manufacturers (OEMs) to bring projects to market faster with less design, project management, and engineering overhead.

Festo Customer Solutions supplies control panels

Festo Customer Solutions manages the entire [control panel acquisition process](#), beginning with consultation and design and ending with delivery of assembled, commissioned, and validated panels.

Festo handles the entire project management experience, even the acquisition of third-party components. Panel functions can include analog

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and/or digital I/O, electric controls for drives, motors, and actuators, and lab automation solutions, such as multi-axis handling systems, pneumatic controls, and process control valves. Panels accommodate top communications protocols.

Customers install these UL rated panels on skids and machines, and in clean rooms (NEMA 4X), mechanical rooms (NEMA 4/12), and hazardous areas (NEMA 4X and Class 1 Div. 2). By utilizing one universal part number and one contact person, customers can reduce purchasing costs by as much as 50% while enhancing process reliability and boosting productivity.

Engineering firms, system integrators, and OEMs improve market acceptance by partnering with a global supplier and bringing Festo's global support into the mix. Festo reduces field service costs, boosts energy efficiency, increases uptime, prolongs the health of components through clean air, offers hot swap valve replacement capabilities, and delivers the benefits of a single source supplier with a robust global supply chain. Festo features a panel building display and unique 3D panel printed demo at its Interpex booth.

Festo valves integrated into Emerson DeltaV DCS

For years, pharmaceutical and biotechnology companies wanted best-in-class pneumatic valve technology for their Emerson DeltaV Distributed Control System. After listening to the market, in 2023 Festo became the first company to introduce a software tool to simply integrate



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its valve technology hardware with DeltaV. The DeltaV solution is featured at Interphex.

The solution brings one of the world's most versatile valve manifold control platforms, Festo CPX/MPA, to the DeltaV DCS ecosystem. Fast configuration enables customers to shorten project integration and commissioning length. Simple CPX configuration commissioning is also available for the Rockwell ecosystem.

The software tool integrates directly with the hardware and software paths of the DeltaV environment. The solution facilitates error handling and custom tag names in DeltaV, as well as a host of other capabilities.

Next generation I/O

Festo features at Interphex the company's revolutionary Automation Platform, which enables all [CPX-AP-A](#) remote I/O and [CPX-AP-I](#) decentralized I/O to be integrated by design engineers as a single integration point under one IP address. This makes integration with the PLC simpler and since all I/O is under a single IP address, it's possible for the OEM to use a smaller, less costly PLC. The AP platform uses IO-Link masters to incorporate third-party devices. The Festo Automation Platform communicates at backplane speed for higher performance and is on display at Interphex.

UL-HazLoc Class 1 Division 2 valve terminal



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The [VTUG](#) is the only valve terminal with Ethernet I/P and other fieldbus protocols to operate in a UL-HazLoc Class 1 Division 2 environment as a stand-alone assembly. The VTUG can be commissioned into DeltaV and Rockwell systems. [VTUG-VI-EX2E](#), the terminal variant, is IECEx Zone 2/22 and CCC-EX Zone 2/22 certified for European hazardous locations.

Lab automation and research and development

Festo shows a laboratory sample handling gantry system that features three axes of motion (X, Y, and Z) and eight independently controlled Z-axes. Multiple Z-axis increases the flexibility of the sample and media handling systems by fitting more workflow into less space.

Featured components include the latest iteration of the Festo [EXCL](#) life-science optimized gantry handling system, which customers receive as a kit that is easily assembled in hours. EXCL kits come complete with all key components, from power connector to energy chain, motors, and motion control. Festo assigns gantries unique part numbers for simplified reordering. The company developed an online configuration tool that makes specification fast and optimized to the needs of the application. Other featured Festo components in this demo include the [CMXL](#) motion controller, PGVA pipetting and dispensing controller, DHOE pipettor, and DHAP pipette tips.

In a second laboratory demo, small volumes of liquid are dispensed with the [VYKA](#) media separated valve. Using hit-and-hold current



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reduction circuits in a VAEM valve controller, valve opening time is quickly and precisely controlled, reducing heat transfer to the media. Other featured Festo components include the VTOF dispensing head for the VYKA valve, VYKB media separated valve, [VAVN](#) dispense needles, and PGVA pipetting and dispensing controller.

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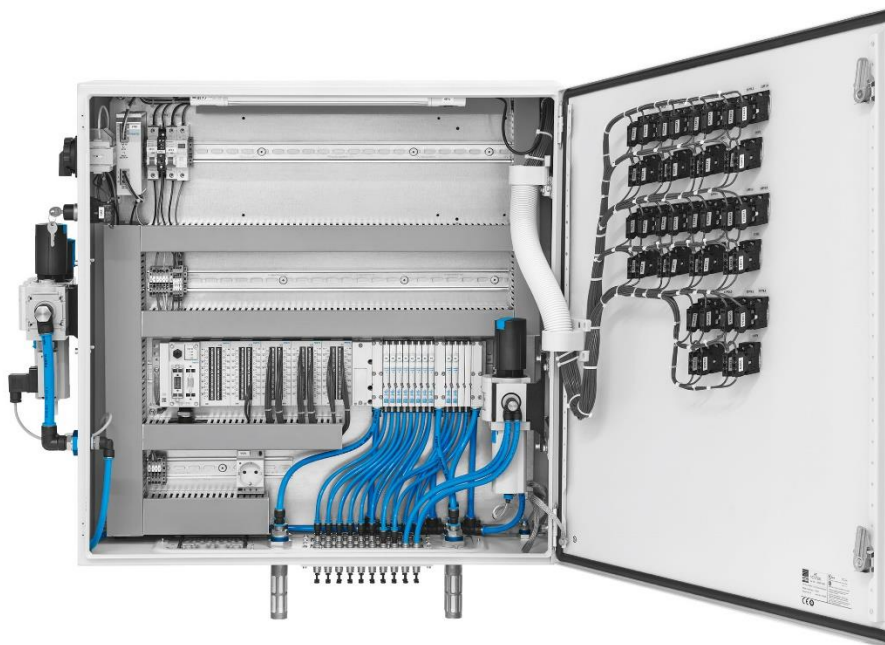
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Festo [biotech, pharmaceuticals, and cosmetics automation](#) conform to the highest standards of quality and performance, as does [Festo Laboratory Automation](#). Visit <https://www.festo.com/us/en/> for the full range of products.

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Festo Customer Solutions manages the entire control panel acquisition process, beginning with consultation and design and ending with delivery of assembled and tested panels.

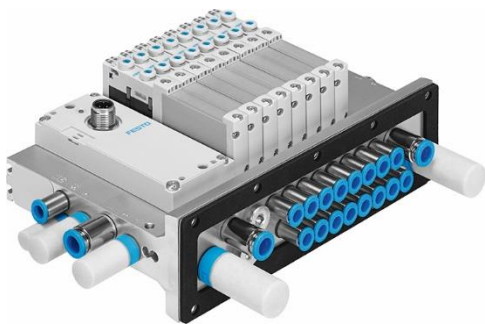


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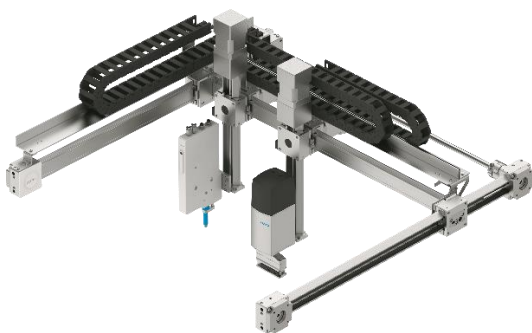
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A Festo CPX/MPA valve terminal can be mounted on a skid, shown here, or in a control panel. CPX/MPA is now easily interfaced into the DeltaV DCS ecosystem.



The Festo universal valve terminal VTUG is now UL-HazLoc Class 1 Division 2 certified.



This configuration of the EXCL gantry accommodates two independent Z-axes. On the left: a pipette system aspirates and dispenses; on the right: the EHMD rotary gripper for decapping and gripping.

About Festo U.S.

Festo is a leading manufacturer of pneumatic and electromechanical systems, components, and controls for process and industrial automation.

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For more than 50 years in the U.S., Festo Corporation has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Through advanced technical and industrial education, Festo Didactic Learning Systems and its partners prepare workers for current and future manufacturing technologies.

Connect with Festo: [Facebook](#), [LinkedIn](#), and [YouTube](#)

The logo for Festo Corporation, featuring the word "FESTO" in a bold, blue, sans-serif font.

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