

Festo Brings Automated Sample and Liquid Handling Solutions to AACC 2023

Festo mechatronics and engineering support enables faster time to market for high throughput screening equipment.

Festo features at AACC 2023 Cartesian gantry systems for handling samples and a flexible, high accuracy liquid dispensing system, that enables manufacturers to reduce engineering and procurement overhead while speeding time to market. (Festo AACC [American Association for Clinical Chemistry] Booth #4457, July 23-27, Anaheim Convention Center, Anaheim, Calif.)

The EXCM desktop gantry robot

With the free online productivity tool, [Festo Handling Guide Online](#), manufacturers specify the compact Festo Cartesian gantry system, EXCM, in as little as 20 minutes. At the end of the design session, engineers can download 2 and 3D CAD files of the unit, learn the ship date, and receive a quote. With the CAD files in hand, machine design proceeds while the EXCM ready-to-assemble kit is being prepared for shipment. The EXCM is compact, precise, durable, high speed, quiet, and proven reliable. An EXCM will be dynamically demonstrated at the Festo booth.

Isolation valve for liquid dispensing

[VYKA](#) is the company's precision isolation valve family. With a low impedance coil and configurable hit/hold electronics delivering low heat and high repeatability, VYKA valves are ideal for dispense applications. Dispensed volumes can range from under 1 µl to over 10 ml and up, with an overall *coefficient of variation* (Cv) under 2% in most cases. VYKA valves are also compact, which means higher density dispensing systems with short fluid paths. VYKA facilitates fast cleaning between various solutions.

The PGVA innovative pressure/vacuum generator

The award-winning Festo PGVA on-board pressure/vacuum generator quietly and energy efficiently generates regulated, filtered air for pressure and vacuum-controlled liquid aspirating and dispensing systems. Within a compact 8"x3"x8" footprint, PGVA comprises an integrated compressor, proportional pressure/vacuum control, air filter, silencer, pressure/vacuum reservoirs, pressure sensor, switching valves, 24V power supply, and digital outlet for valve actuation. PGVA can be controlled from any RS232, USB, or Ethernet port.

For more information on Festo Life Science solutions – dispensing liquids, controlling gases, and handling and gripping vials – email life.sciences.nam@festo.com and visit [Festo Laboratory Automation](#). Visit www.festo.us for the full range of products.

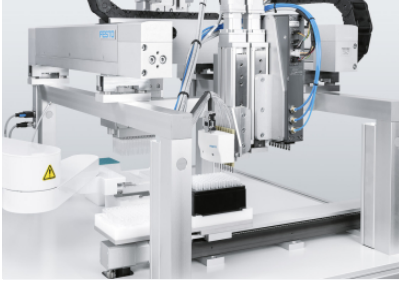
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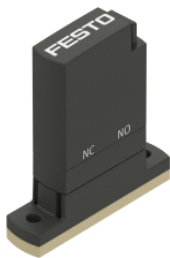


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EXCM

The EXCM planar surface gantry is precise, fast, and compact. EXCM gantries arrive quickly in kit form ready for fast, easy assembly with matched motors, drives, and axes or as drop-in subassemblies.



VYKA



PGVA

The compact PGVA features a compressor, proportional control, air filter, silencer, pressure/vacuum reservoirs, pressure sensor, switching valves, 24V power supply, and digital outlet for valve actuation.