

Re-Inventing Air with Controlled Pneumatics

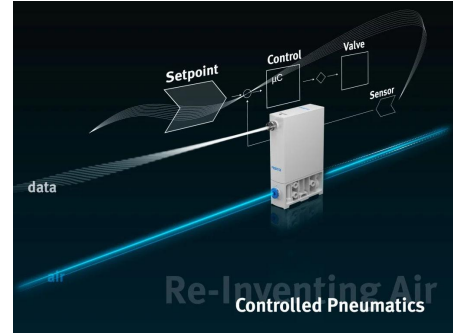
Clever regulation pushes the boundaries of pneumatics

In Controlled Pneumatics, Festo combines proportional technology, sensors and control algorithms to form a control loop. With the high-precision piezo valves this technology opens up completely new fields of application for pneumatics in terms of pressure, flow rate and motion – and reduces the consumption of compressed air by up to 50%.

Typical applications for Controlled Pneumatics:

- Uniform web tension
- High-precision surface processing
- Accurate dispensing or pumping via pressure
- Flexible gripping without retooling
- Precisely timed PET bottle blowing
- Economical use of shielding gas

FESTO



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Need Actuators that Fit in Tight Spaces? 20mm Wide ultra-compact ELECYLINDER

IAI's 20mm wide ultra-compact ELECYLINDER actuators with built-in controllers fit into very tight spaces.

With a maximum speed of 300mm/s the EC-RR2 Radial & EC-S2 Slider feature a built-in linear guide to help maintain high speeds.

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IAI
Quality and Innovation



Medical Industry Conveyors

Conveyors for medical equipment manufacturing and packaging

Manufacturing individual parts and assembling medical devices demands the highest standard of precision and repeatability. Conveyor systems from Dornier are adept at handling all stages of medical device production, from assembly and inspection to medical device packaging.

Integrate Dornier conveyors to improve the efficiency, consistency, and precision of your medical parts manufacturing, assembly, and packaging operations.

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AC Drives Product Family Quality, reliability and availability

MITSUBISHI ELECTRIC

With a 5-year warranty and over 2 million drives sold per year, it's not a surprise that Mitsubishi Electric is #1 in the world by volume production. Mitsubishi has doubled its US inventory to support timely deliveries.



FR-D700

- Simple control
- Very rugged
- Compact size
- Available up to 10HP

FR-E800

- Networking
- Built-in EtherNet/IP communications
- Available up to 20HP

FR-F800/E

- Optimized for pump and fan control
- Advanced PID control
- Vector control
- Available up to 100HP

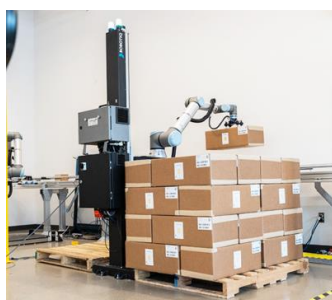
FR-A800/E

- Speed, Torque or Position control
- Fastest response times
- Available up to 1800HP

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BERTELKAMP AUTOMATION'S TECHNOLOGY EXPO

Thursday, October 3rd



Robot Palletizing



3D Bin Picking



Cobot Welding

We invite you to join us, at our Knoxville Headquarters, for this exclusive invitation-only event featuring the latest in Robotic Technologies. In addition, we will have live demonstrations and educational classes throughout the day.

[REGISTER TO ATTEND](#)

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