

## SMC Corporation of America

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Website



### About Us

Since its establishment, SMC has been a leader in pneumatic technology, providing industry with technology and products to support automation based on the guiding principle of “contributing to automation labor savings in industry.” Over the past 50+ years, SMC’s products have become established as a recognized international brand through sales, technical, supply and after sale services in world markets. Sales have grown to achieve a 30% global market share.

### e-F@ctory Solutions Provided

SMC Corporation manufactures and sells a wide array of pneumatic and motion control products designed for industrial automation. Key pneumatic offerings include linear actuators such as air cylinders in single-acting (spring return) and double-acting styles. Rotary actuators feature rack-and-pinion types for high-torque handling of heavy loads and vane styles for compact, less-than-full-revolution operations. Grippers encompass pneumatic models like two-, three-, or four-finger parallel, wide-opening, heavy-duty, angular with speed adjustment, toggle, and low-contamination. For motion control, SMC provides electric actuators including sliders, rod and guided rod types, slide tables, rotary units, and advanced controllers like servo motor drivers for precise positioning and step motor controllers for enhanced acceleration, speed, and workload capacity.

### Complementary Products

Servo/Motion Control; Programmable Controller;  
HMIs

### Core Technology

Pneumatic; Linear Motion; Actuators

### Industries Served

Aggregates  
Automotive  
Forestry & Mining  
Oil & Gas  
Semiconductor  
Packaging  
Machine Tool  
Medical & Life Sciences

Metals  
Pulp and Paper  
Power Generation  
Tire  
Water Treatment

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## EXAMPLE PRODUCTS FROM SMC

### EX600, SI Unit

The EX600 serial interface offers a full suite of diagnostics and programmable parameters to meet the most stringent requirements. Available protocols include PROFIBUS-DP®, DeviceNet™, CC-Link®, Ethernet I/P™ and EtherCAT®, PROFINET, POWELINK and CC-Link IE Field™.

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### ITV1000/2000/3000, Electro-Pneumatic Regulator

Series ITV electro-pneumatic and electronic vacuum regulators control air/vacuum pressure steplessly in proportion to an electric signal. Range of communication protocols including CC-Link, DeviceNet, PROFIBUS, RS-232C or I/O-Link. EtherNet/IP and PROFINET are available as well.

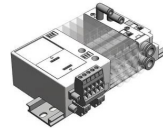
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### SS5J3-60S, Plug-in Manifold (for EX180)

SJ3000 manifold with EX180 serial transmission system. EX180 is a serial communication module capable of controlling 32 solenoids. Available with CC-Link and DeviceNet.

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### SS5J1-60S, Plug-in Manifold (for EX180)

SJ1000 manifold with EX180 serial transmission system. EX180 Series is a serial communication module capable of controlling 32 solenoids. Available with CC-Link and DeviceNet.

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### EX600, IO-Link Module

SJ1000 manifold with EX180 serial transmission system. EX180 Series is a serial communication module capable of controlling 32 solenoids. Available with CC-Link and DeviceNet.

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### LEFS Slider, Ball Screw Drive, Battery-less Absolute Encoder

The rodless LEFS slider is an electric actuator with a load mounting platform situated above a ball screw drive. The machine's PLC can access the controller's operational and positional step data through several fieldbus protocols, IO-Link, or parallel I/O.

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### LEY\*E Rod, Battery-less Absolute Encoder

The LEY rod electric actuator is suitable for push, pull, lift and press applications. The machine's PLC can access the controller's operational and positional step data through several fieldbus protocols, IO-Link, or parallel I/O.

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### ZXP7-X1, Vacuum Gripper Unit for ASSISTA

This vacuum unit is compliant with Mitsubishi Electric MELFA ASSISTA collaborative robots. The unit includes connector, mounting flange, protective cover, and integrated vacuum unit.

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### Magnetic Gripper for Collaborative Robot

Series MHM-7400A-ASSISTA and Series MHM-7400A-ASSISTA are magnetic grippers that is compliant with Mitsubishi Electric ASSISTA series collaborative robots. They can be used in place of vacuum cups or grippers when holding a metallic workpiece.

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