

## JHFOSTER

John Henry Foster.com

Automation • Robotics • Compressed Air • Service  
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## OUR LOCATIONS

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Hiawatha, IA 52233  
319.200.1316

## AUTOMATION PRODUCTS

Please note that some products may not be available in your area.  
For complete details, check with your Account Manager.

### Robotics

**IAI America, Inc.:** ROBO Cylinder™, Mini ROBO Cylinder, Linear, Rotary Actuators, Grippers, IX SCARA Robots, TT-Table Top Robot, Controllers

**Kawasaki:** 6-axis robots, pick and place robots, dual arm scara robots

**Staubli:** Industrial SCARA 4-axis robots and 6-axis robots

**Techman Robot (TM):** Collaborative robots with built-in vision, 5 kg, 12 kg and 14 kg payloads; 700 mm, 900 mm, 1100 mm, and 1300 mm reach

### Robotic Accessories

**80/20:** Mobile bases, tables and guarding

**Bimba | Vaccon:** Vacuum tool end effector

**DESTACO:** Pneumatics and electric grippers, end-of-arm tooling and tool changers

**MurrPlastik:** Cable management solutions

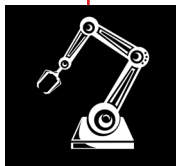
**OnRobot:** Pick & place, machine tending, packaging & palletizing, assembly, surface finishing, quality testing & inspection

**Pick-it:** Software, 3D Camera, Industrial processor

**Robo-Gear:** Industrial Robot Covers, Disposable & Paint Robot Covers as well as Custom cable/hose/conduit wrap

**Robotiq:** Adaptive grippers, wrist camera, force torque sensors, kinetiq teaching, robotic welding

**Techman Robot (TM):** Robot stands and mobile work stations



### Electric Automation

**Auer Signal:** Optical and audible signal devices, stack lights and explosion proof signal lamps

**BACO Controls, Inc.:** 22MM and 30MM control and signaling devices (push buttons, mushroom buttons, emergency stops, selector and key switches, pilot lights and joysticks), IP69K Pilot Devices, disconnect switches 25AMP-100AMP, cam switches, custom control stations, rex timers

**Canfield Connector:** Electronic timers, connectors, sensors

**Carlo Gavazzi:** Proximity, Photoelectric and Level Sensors, Monitoring Relays, Energy Meters and Power Supplies, Push buttons, Switches, Timing Relays

**IFM:** Industrial sensors, networking and control systems

**Integra Enclosures:** Polycarbonate – Impact, Premium, Genesis enclosures and accessories and **Integra Strong Box Enclosures:** Custom stainless steel enclosures

**Maple Systems:** HMIs, Panel PCs, PLCs

**Mencom Corporation:** Industrial connectors, cordsets, panel interface connectors, ethernet switches

**MurrPlastik:** Cable management solutions

**Optex FA:** Photoelectric, Displacement and Vision Sensors

**Saginaw Control and Engineering:** Standard and custom enclosures

**SolaHD:** Power supplies, industrial control transfers, power protection, power conditioning, transformers

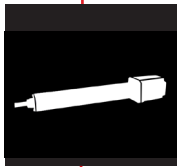
**Sprecher & Schuh:** Contactors, relays, starters, push buttons, switches, circuit protection, disconnects, terminals

**Wieland Electric, Inc.:** Power supplies, relays, sensors, terminal blocks, industrial connectors



## AUTOMATION PRODUCTS

### Electric Actuators/Motion Control/Motors/Drives



**Bimba:** Original Line Electric rod type

**Bimba | Intek:** Belt, Ballscrew, Rack and Pinion, Thrusters, Idlers, Linear Servo, Gantry Systems

**Carlo Gavazzi:** Contactors, Overloads, Manual Motor Starters, Soft Starters, Solid State Contactors, Definite Purpose Contactors and Miniature Circuit Protectors/Breakers

**Control Techniques/Leroy-Somer/Nidec:** Servo Motors, Servo Drives, AC/DC Drives, Induction/Permanent, Magnet/DC Motors

**Duff-Norton:** Screw jacks, linear actuators, electric cylinders, acme and ball screws & nuts, rail maintenance equipment

**IAI America, Inc.:** ROBO Cylinder™, Linear, Rotary Actuators, Grippers, Controllers, Mini ROBO Cylinder, IX SCARA Robots, TT-Tabletop Robots

**Koganei:** Electric Linear and Rotary Actuators, Electric Grippers

**Robohand/DESTACO:** Electric Grippers and Power Clamps

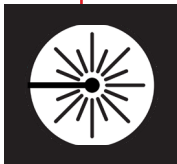


### Conveyors



**Dorner Mfg. Corp:** Belted, Modular Belt, Precision Timing Belt and Flexible Chain Conveyors; Sanitary and Industrial Conveyor Models – Low Profile, Heavy-Duty and Miniature Series; Standard, Standard Specials – Magnetic, Vacuum, Lift Gate, Common Drive, Backlit and Custom Conveyors – Accumulation Systems, Depositing, Merging, Diverting, Retracting and Transferring Conveyors; Pallet Handling Conveyors; Incline Conveyors – Z-Frame, Helix, Alpine, Vertical and Wedge Conveyors; Replacement Belts and Parts

**New London Engineering:** Standard, Modified and Custom Conveyors - Slider Bed, Hinged Steel Belt, Chain Driven Live Roller, Zero Pressure Accumulation, Wire Mesh, Magnetic, Cleated Incline, Table Top Chain, Modular Belt, Low Profile, Drag Chain, Turntable, Slat, Pallet Dispensing, Pallet Stacking and Pallet Handling Conveyors – in Steel, Aluminum and Stainless Steel



### Lasers | Dot Peen | Scribing

**Gravotech:** Marking, engraving, laser cutting and dot-peen solutions

**MurrPlastik:** Laser printing



### Pneumatic Actuators and Grippers

**Advance Automation:** Air cylinders

**Air-Mite, Inc.:** Air cylinders, presses

**Bimba:** Original Line® stainless steel air cylinders, Ultram® magnetic coupled rodless, Flat-I®, Flat-II® and Square Flat® stainless steel low profile, PneuTurn® rotary actuators, linear thrusters, position feedback, DoubleWall® NFPA, ISO 6431 & 6432 metric cylinders, feedback, Pneumatic Grippers (BPGS)

**Bimba | Mead:** Air actuators and presses

**Bimba | MFD:** Extruded thrusters, angular and parallel grippers

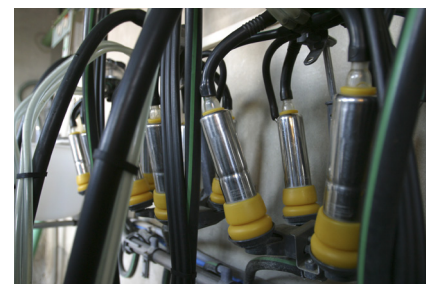
**Bimba | TRD:** NFPA actuators in aluminum, steel and stainless steel, presses

**Emerson | ASCO Numatics:** NFPA Air Cylinders, rodless, air bellows, linear slides, ISO/VDMA, rotary actuators

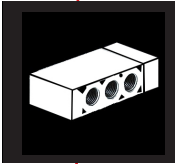
**Emerson | AVENTICS:** NFPA air cylinders, rodless, short-stroke, compact, ISO 15552 (ISO/VDMA), mini, round, guided, bellows, slide units, diaphragm-type, mobile type, cylinder-valve units, rotary actuators, grippers

**Nopak:** Cylinders

**Robohand/DESTACO:** Pneumatic grippers, angular and parallel grippers, rotary actuators



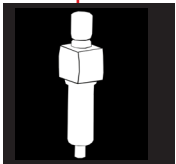
## Pneumatic Valves



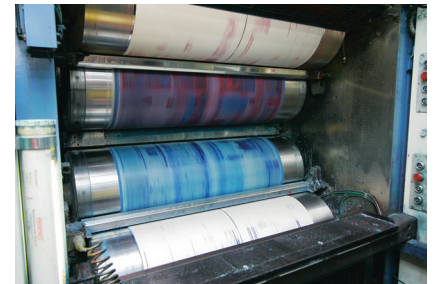
- AAA Products:** Mechanical, pilot, or solenoid operated
- Air-Mite, Inc.:** Mechanical, pilot, or solenoid operated
- Bimba | Acro Associates:** Pneumatic and solenoid pinch valves
- Bimba | Mead | MFD:** Solenoid, control and specialty valves
- Bimba | Pneumadyne:** Mechanical, pilot or solenoid operated
- Bi-Torq:** Manual and automated ball and butterfly valves
- Emerson | ASCO Numatics:** Mechanical, pilot, or solenoid operated, in-line, manifold and sub-base mountings, fieldbus (Ethernet, DeviceNet, Profibus etc.), poppet valves, ISO 1 – 3
- Emerson | AVENTICS:** Manual/mechanical, pilot or solenoid operated, in-line, manifold and subbase mounted, fieldbus (EtherNet, DeviceNet, Profibus, etc.), poppet valves, ceramic sliding plates, ISO 1-4, safety, flow control, check, shuttle, quick exhaust, relay
- Humphrey:** Mechanical, pilot, or solenoid operated, pressure and vacuum, in-line, stackable, manifold and sub-base mountings
- Koganei:** Solenoid
- Nopak:** Mechanical or solenoid operated valves
- Ross Controls:** Safety valves, poppet valves, solenoid valves



## Pneumatic Filters, Regulators, Lubricators



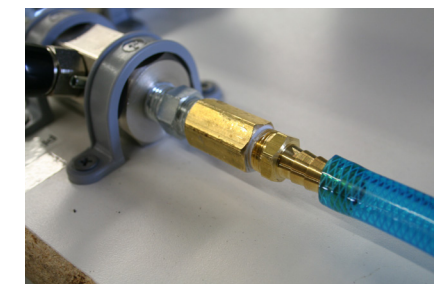
- Arrow Pneumatics:** Filters, regulators, lubricators, desiccant dryers
- Beach:** Sta-Dri in-line desiccant filters, Sta-Dri pouches, breathers
- Bimba | MFD:** Particle removal filters, regulators and lubricators
- Emerson | ASCO Numatics:** In-line oil and particle removal filters, regulators and lubricators, precision regulators
- Emerson | AVENTICS:** In-line oil and particle removal filters, regulators and lubricators, precision regulators, stainless steel air prep
- Parker (Domnick Hunter/Airtek):** In-line oil and particle removal filters, carbon filters, vapor filters, vacuum filters



## Fittings | Couplers | Hose | Tubing



- Bimba | Pneumadyne:** Barbed, threaded, electroless nickel, brass and stainless steel
- Emerson | ASCO Numatics:** Push-In tube fittings, nickel plated brass, and World Thread fittings
- Emerson | AVENTICS:** Push-in fittings (polymer and nickel plated brass), metric tubing, tubing accessories
- Freelin-Wade:** Polyurethane, polyethylene, nylon, PVC tubing, re-coil assemblies and fittings, blowguns
- Goodyear:** Air hose
- Midland Metal:** Brass pipe fittings, compression fittings and needle valves
- New Age Industries:** Plastic tubing and hose
- Nycoil:** Tubing, fittings, couplers
- Pisco:** Push-in tube fittings, rotary joints and ball valves
- Polyconn:** Push-to-connect tube fittings
- ZSi-Foster, Inc.:** Quick disconnect fittings, blow guns, recoil hoses and fittings





# AUTOMATION PRODUCTS

## Pneumatic Automation Accessories

**ACE Controls:** Shock absorbers, velocity and feed controllers, gas springs, and hydraulic dampers

**AiRTX:** Blow-off nozzles, transvectors, cold air guns, static elimination

**Aladco:** Grippers, clamps, check valves

**Alumi-Tec:** Aluminum manifolds

**Bimba:** Alignment couplers, flow control valves and 3 & 4-way disc valves

**Bimba | Mead:** Flow controls, timers, relays, and sensors

**Bimba | Pneumadyne:** Air jets, fittings and manifolds

**Control Line Equipment:** Pneumatic counting devices

**Cox Reels:** Hose, cord and cable reels

**Deltrol:** Flow control valves, needle valves, and check valves

**Desoutter Industrial Tools:** Auto-feed drills, air motors, pneumatic drills/grinders/sanders, screwfeeders

**DESTACO:** Manual and pneumatic clamps

**Duff-Norton:** Rotary unions

**Duro Reels:** Hose, cord and cable reels

**Dwyer:** Pressure & vacuum gauges, flow meters, pressure, temperature & level switches

**Ellis/Kuhnke Controls:** Pneumatic timers and counters

**Emerson | ASCO Numatics:** Sintered bronze and shell type mufflers, flow controls, check valves, tubing

**Emerson | AVENTICS:** Valves (safety, flow control, check, shuttle, quick exhaust, relay), silencers, grippers, timing volumes, regulators, tubing & fittings

**Generant:** Check valves, needle valves, regulators, relief valves

**Guardair:** Air and siphon guns, pneumatic vacuums

**Hannay:** Hose, cord and cable reels

**Hedland:** Flow meters

**Kingston:** Safety relief valves and check valves

**Marsh:** Pressure and vacuum gauges, precision regulators

**Midwest Pressure Systems:** Air driven air pressure booster systems

**NGT:** Pilot-operated check valves

**Oetiker:** Hose clamps, swing couplers

**Parker (Domnick Hunter/Airtek):** Air filtration and oil and water condensate separators

**Pore Technology:** Plastic mufflers

**Reelcraft:** Hose, cord and cable reels

**Rotary Systems:** Rotary unions

**Silvent:** Blow guns and blow-off nozzles

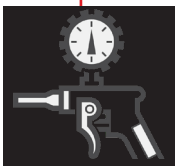
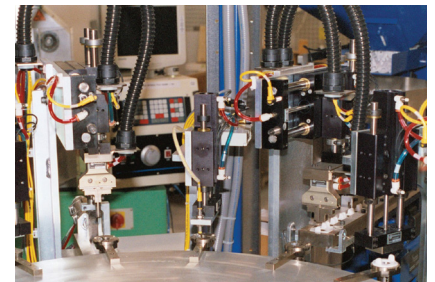
**Specialty Manufacturing Company (SMC):** Brass and plastic ball valves and check valves

**Vibco Vibrators:** Air and electric vibrators

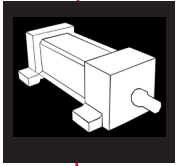
**Waldom Electronics (Aero-Motive):** Hose reels, tool balancers, and ergonomic devices

**Wika:** Pressure & vacuum gauges and chemical seals

**ZSi-Foster, Inc.:** Cushioned clamping and support systems



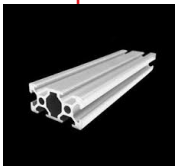
## Hydraulics



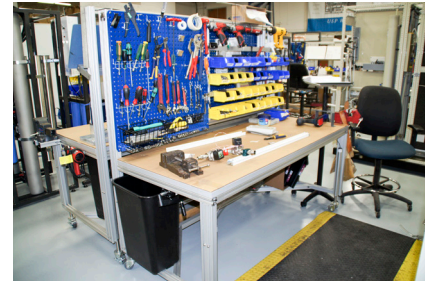
- Bimba | TRD:** NFPA, MH medium duty and HH series heavy-duty industrial hydraulic cylinders, compact hydraulic
- Emerson | AVENTICS:** NFPA medium and high pressure heavy-duty industrial hydraulic cylinders
- Marsh:** Pressure and vacuum gauges
- Midland Metal:** Hydraulic fittings
- Nopak:** NFPA Hydraulic cylinders, piston and bladder accumulators
- Wika:** Pressure gauges
- ZSi-Foster, Inc.:** Quick disconnect couplers



## T-Slot Aluminum Framing Systems



- 80/20 Inc.:** T-Slotted aluminum extrusion and accessories
- Bucher Hydraulics | Dyna-Lift®:** Hydraulic lift systems
- Swivellink®:** Mounting systems for cameras, sensors, monitors



## Safety



- 80/20 Inc.:** Guarding, enclosures and workstations
- Air-Mite, Inc.:** Pneumatic and electric two hand anti-tie-down controls
- Bimba | Mead:** Pneumatic two hand anti-tie-down controls, lock-out valves
- Carlo Gavazzi:** Interlocks, safety relays, sensors
- Emerson | ASCO Numatics:** Lock-out valves, power isolation bases
- Emerson | AVENTICS:** Lockout valves, cylinder locking and holding units, power isolation bases
- Euchner:** Safety switches, e-stop devices, limit switches, light curtains, safety controllers, safety photocells
- Renco, Inc.:** Pneumatic and electric two hand anti-tie-down controls
- Ross Controls:** Energy isolation valves, control reliable double valves, po check valves
- Tapeswitch:** Sensing edges and bumpers, light curtains, safety and signal mats, safety interlocks
- Wieland Electric, Inc.:** Safety Relays, safe sensors, light curtains, two hand relays, safety switches
- ZSi-Foster, Inc.:** Safety quick couplers/blow guns



## Vacuum Cups & Generators



- Bimba | Vaccon:** Vacuum generators, cups and air amplifiers
- Edco USA:** Vacuum generators, cups and sensors
- Emerson | ASCO Numatics:** Vacuum generators, cups and sensors
- Emerson | AVENTICS:** Vacuum generators, cups and sensors, non-contact transfer units
- Pisco:** Vacuum generators, cups and sensors
- Vi-Cas:** Vacuum cups and accessories



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# COMPRESSED AIR SYSTEMS PRODUCTS

## Air Compressors



### Climate Control Air Compressors

**Gardner Denver:** Reciprocating:  $\frac{1}{2}$  HP - 25 HP

**Powerex:** Reciprocating: 1 HP - 15 HP

**Quincy:** Reciprocating:  $\frac{1}{2}$  HP - 25 HP



### Oil-Lubricated Air Compressors

**Gardner Denver (CompAir):** Rotary screw: 5-500 HP,  
Reciprocating:  $\frac{1}{2}$  - 30 HP

**Hydrovane:** Rotary vane: 2-60 HP

**Quincy:** Rotary screw/reciprocating:  $\frac{1}{2}$  - 350 HP

**Sauer Compressors USA:** Reciprocating 2-4 stage high  
pressure compressors and boosters 100-6000 PSIG



### Oil-Free and Oil-Less Air Compressors

**Gardner Denver (CompAir):** Water-sealed: 20 HP - 150 HP,  
Rotary screw: 100 HP - 400 HP, Reciprocating: 3/4 HP - 15 HP,  
Scroll: 2 HP - 40 HP

**Kobelco:** Rotary screw: 20 HP - 500 HP

**Powerex:** Super quiet scroll and reciprocating: 3 HP - 40 HP

**Quincy:** Scroll: 2 HP - 30 HP

**Thomas:** Diaphragm, rotary vane, linear, articulating piston,  
WOB-L piston



### Medical & Vacuum Packages (NFPA 99 Compliant)

**Dekker:** Liquid ring, rotary vane

**Gardner Denver:** Scroll

**Kobelco:** Rotary screw, oil-free

**Powerex:** Scroll, piston, rotary vane and claw

**Rietschle:** Rotary vane and claw



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# COMPRESSED AIR SYSTEMS PRODUCTS

## Air Dryers



**Beko:** Membrane

**Gardner Denver:** Refrigerated cycling, non-cycling, regenerative, digital scroll

**Nano:** Refrigerated, regenerative dryers and breathing air systems

**Parker (Domnick Hunter/Airtek):** Refrigerated, regenerative dryers and breathing air systems

**Quincy:** Refrigerated cycling, non-cycling, and regenerative

**Trident:** Desiccant 10-60 cfm versions

**Zeks:** Refrigerated cycling, non-cycling, and regenerative



## Air Filters



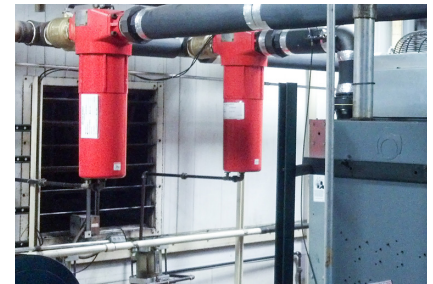
**Gardner Denver:** Particulate, coalescing, vapor, mist eliminator

**Nano:** Particulate, coalescing, vapor, mist eliminator

**Parker (Domnick Hunter/Airtek):** Particulate, coalescing, vapor, mist eliminator

**Solberg:** Compressor and vacuum pump inlet filters and silencers

**Zeks:** Particulate, coalescing, vapor, mist eliminator



## Blowers



**Aerzen USA:** Positive displacement, hybrid to 51 PSI

**Elmo Rietschle:** Regenerative: 1/2 HP - 40 HP



## Fluid Cooling Systems



**Nano:** Process chillers

**Parker (Domnick Hunter/Airtek):** Process chillers

**Thermal Precision:** Dry coolers and towers



# COMPRESSED AIR SYSTEMS PRODUCTS

## Air System Accessories



- American Industrial Heat Transfer:** Air and water cooled heat exchangers
- CDI Meters, Inc.:** Flowmeters
- Control Devices:** Drain-All, WaterHog fail-safe automatic condensate drains
- Manchester Tank:** Air tanks
- Motortronics:** Soft starters
- Nano:** Oil/water separators
- Parker (Domnick Hunter/Airtek):** Oil/water separators
- Quincy:** Pressure flow controller
- Samuel Pressure Vessel Group (Silvan Industries):** Air tanks
- Stoddard:** Filters and silencers
- Thermal Transfer:** Air and water cooled heat exchangers
- Zeks:** Pressure flow controller, oil/water separators



## Nitrogen Generation



- Generon:** Membrane generators, PSA nitrogen generators
- Nano:** Membrane generators, PSA nitrogen generators
- Parker (Domnick Hunter/Airtek):** PSA nitrogen generators



## Plant Air Piping Systems



- Gardner Denver:** Quick-Lock and Big-Lock aluminum piping system
- Parker:** Transair aluminum and stainless steel piping system
- Quincy:** AIRnet aluminum and stainless steel piping system



## Vacuum Pumps



- Dekker:** Water & oil-sealed liquid ring, lubricated & dry rotary vane: 1/4 HP - 200 HP
- Elmo Rietschle:** Rotary vane and claw, regenerative blowers: 1/4 HP - 50 HP
- Quincy:** Industrial rotary screw: 7 1/2 HP - 200 HP, claw, vane
- Thomas:** Diaphragm, rotary vane, linear, articulating piston, WOB-L piston

