

JHFOSTER

John Henry Foster.com

Automation • Robotics • Compressed Air • Service

651.452.8452 | 800.582.5162

solutions@jhfooster.com

OUR LOCATIONS

EAGAN, MN - HQ
3103 Mike Collins Dr
Eagan, MN 55121
651.452.8452

EAGAN, MN
980 Lone Oak Rd
Eagan, MN 55121
651.452.8452

WEST FARGO, ND
1016 5th Ave, Suite 3
West Fargo, ND 58078
651.452.8452

CEDAR RAPIDS, IA
935 Metzger Drive
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

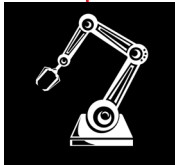
MurrPlastik: Cable management solutions

Optex FA: Photoelectric, Displacement and Vision Sensors

Saginaw Control and Engineering: Standard and custom enclosures

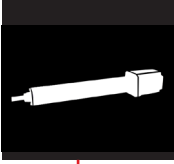
Sprecher & Schuh: Contactors, relays, starters, push buttons, switches, circuit protection, disconnects, terminals

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



AUTOMATION PRODUCTS

Electric Actuators/Motion Control/Motors/Drives



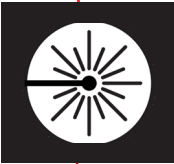
- Bimba:** Original Line Electric rod type
- Bimba | Intek:** Belt, Ballscrew, Rack and Pinion, Thrusters, Idlers, Linear Servo, Gantry Systems
- Carlo Gavazzi:** Contactors, Overloads, Manual Motor Starters, Soft Starters, Solid State Contactors, Definite Purpose Contactors and Miniature Circuit Protectors/Breakers
- 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

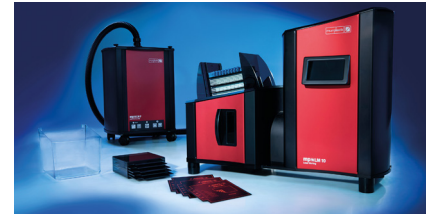


- Dorner Mfg. Corp:** Belted, Modular Belt, Precision Timing Belt and Flexible Chain Conveyors; Sanitary and Industrial Conveyor Models – Low Profile, Heavy-Duty and Miniature Series; Standard, Standard Specials – Magnetic, Vacuum, Lift Gate, Common Drive, Backlit and Custom Conveyors – Accumulation 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

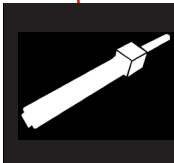


Lasers | Dot Peen | Scribing

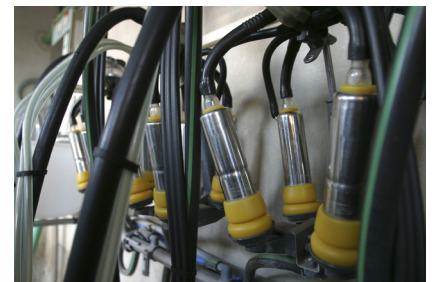
- Gravotech:** Marking, engraving, laser cutting and dot-peen solutions
- MurrPlastik:** Laser printing



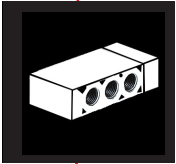
Pneumatic Actuators and Grippers



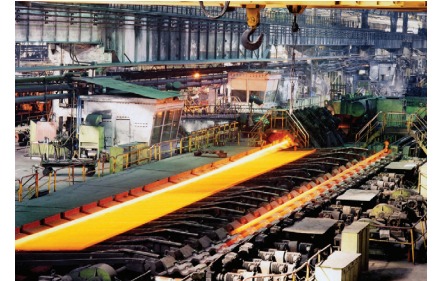
- Advance Automation:** Air cylinders
- Air-Mite, Inc.:** Air cylinders, presses
- Bimba:** Original Line® stainless steel air cylinders, Ultran® magnetic coupled rodless, Flat-I®, Flat-II® and Square Flat® stainless steel low profile, PneuTurn® rotary actuators, linear thrusters, position feedback, 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



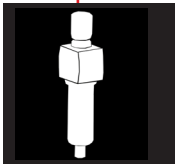
Pneumatic Valves



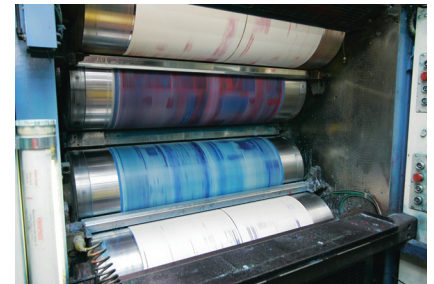
- AAA Products:** Mechanical, pilot, or solenoid operated
- Air-Mite, Inc.:** Mechanical, pilot, or solenoid operated
- Bimba | Acro Associates:** Pneumatic and solenoid pinch valves
- Bimba | Mead | MFD:** Solenoid, control and specialty valves
- Bimba | Pneumadyne:** Mechanical, pilot or solenoid operated
- 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



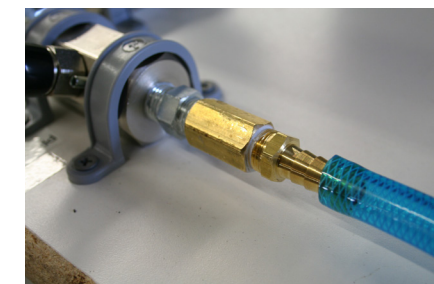
- Arrow Pneumatics:** Filters, regulators, lubricators, desiccant dryers
- Beach:** Sta-Dri in-line desiccant filters, Sta-Dri pouches, breathers
- Bimba | MFD:** Particle removal filters, regulators and lubricators
- Emerson | ASCO Numatics:** In-line oil and particle removal filters, regulators and 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

Deltron: 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

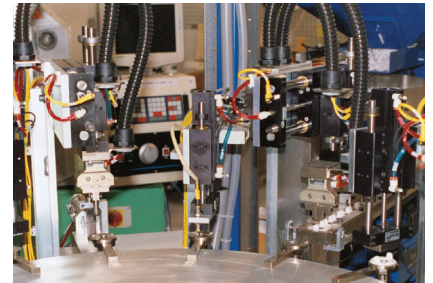
Specialty Manufacturing Company (SMC): Brass and plastic ball valves and check valves

Vibco Vibrators: Air and electric vibrators

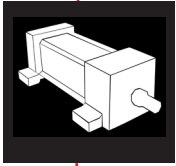
Waldom Electronics (Aero-Motive): Hose reels, tool balancers, and ergonomic devices

Wika: Pressure & vacuum gauges and chemical seals

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



Hydraulics



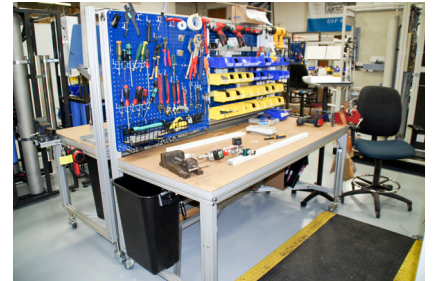
- Bimba | TRD:** NFPA, MH medium duty and HH series heavy-duty industrial hydraulic cylinders, compact hydraulic
- Emerson | AVENTICS:** NFPA medium and high pressure heavy-duty industrial hydraulic cylinders
- Marsh:** Pressure and vacuum gauges
- Midland Metal:** Hydraulic fittings
- Nopak:** NFPA 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 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



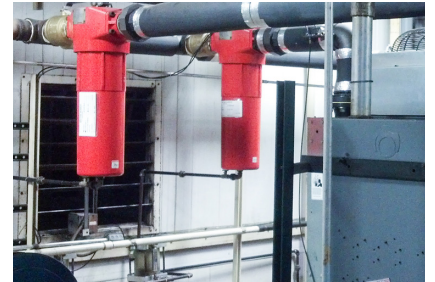
Gardner Denver: Particulate, coalescing, vapor, mist eliminator

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 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 (NFWA 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 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

