

JHFOSTER

John Henry Foster.com

Automation • Robotics • Compressed Air • Service

PRODUCT LINE CARD

John Henry Foster (JH Foster) is a leading distributor and service provider of automation, robotics and compressed air systems. Our mission is to assist companies like yours automate their manufacturing applications to make the process a positive journey. We are committed to providing successful solutions that exceed production demands, reduce costs, and increase overall efficiencies.

Headquartered in Eagan, MN, with an advanced robotics training facility and UL 508A certified control panel shop, we also offer a fully-equipped team of mobile technicians who provide service to the 5-state area. Contact us today at 800.582.5162, email solutions@jhfooster.com or visit jhfooster.com to learn more about how you might benefit from knowing us.

651.452.8452 | 800.582.5162

AUTOMATION PRODUCTS

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

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

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

Maple Systems: HMIs, Panel PCs, PLCs

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

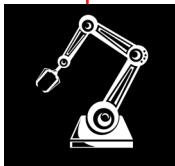
MurrPlastik: Cable management solutions

Optex FA: Photoelectric, Displacement and Vision Sensors

Saginaw Control and Engineering: Standard and custom enclosures

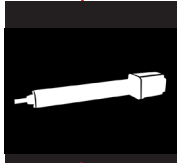
Sprecher & Schuh: Contactors, relays, starters, push buttons, switches, circuit protection, disconnects, terminals

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

Robohand/DESTACO: Electric Grippers and Power Clamps



Lasers | Dot Peen | Scribing

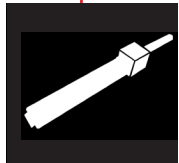


Gravotech: Marking, engraving, laser cutting and dot-peen solutions

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

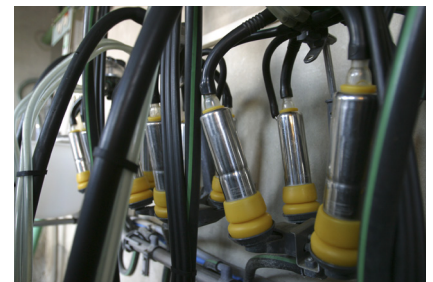
Bimba | TRD: NFPA actuators in aluminum, steel and stainless steel, presses

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

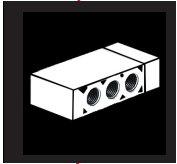
Emerson | AVENTICS: NFPA air cylinders, rodless, short-stroke, compact, ISO 15552 (ISO/VDMA), mini, round, guided, bellows, slide units, diaphragm-type, mobile type, cylinder-valve units, rotary actuators, grippers

Nopak: Cylinders

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



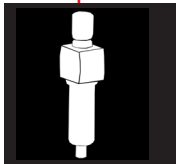
Pneumatic Valves



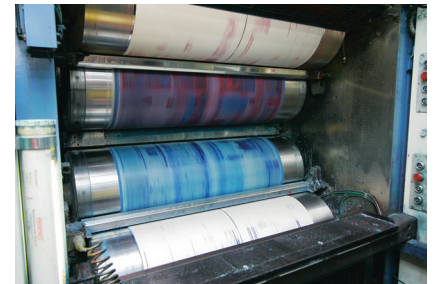
- AAA Products:** Mechanical, pilot, or solenoid operated
- Air-Mite, Inc.:** Mechanical, pilot, or solenoid operated
- Bimba | Acro Associates:** Pneumatic and solenoid pinch valves
- Bimba | Mead | MFD:** Solenoid, control and specialty valves
- Bimba | Pneumadyne:** Mechanical, pilot or solenoid operated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

Detroit: 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

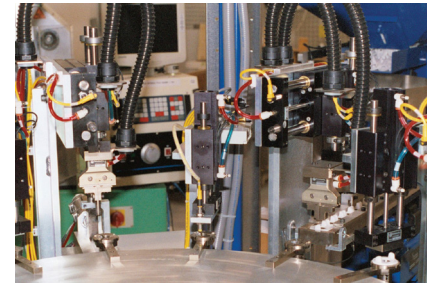
Specialty Manufacturing Company (SMC): Brass and plastic ball valves and check valves

Vibco Vibrators: Air and electric vibrators

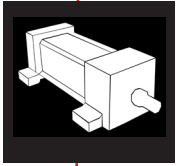
Waldom Electronics (Aero-Motive): Hose reels, tool balancers, and ergonomic devices

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

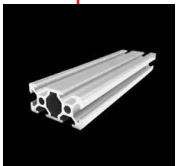
Nopak: NFPA Hydraulic cylinders

Wika: Pressure gauges

ZSi-Foster, Inc.: Quick disconnect couplers



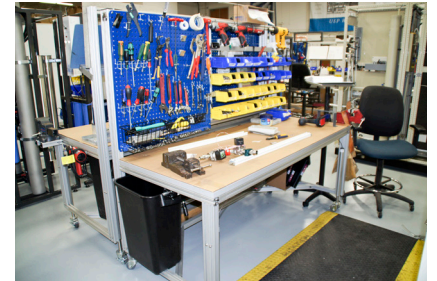
T-Slot Aluminum Framing Systems



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



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



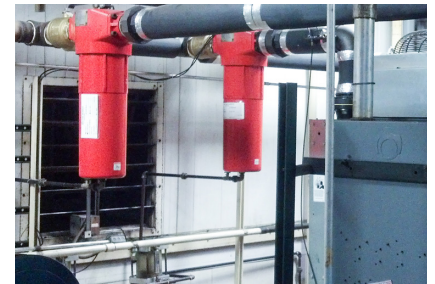
Gardner Denver: Particulate, coalescing, vapor, mist eliminator

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

Ingersoll Rand Turbo-Air (Cameron): Centrifugal:
200 HP - 2500 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



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: Infinity

Parker: Transair aluminum and stainless steel piping system

Quincy: AIRnet



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

