



HydroAir Hughes™

An APPLIED® fluid power company

Your Source for Industrial Automation Solutions

Pneumatic Actuation

Pneumatic and Process Valving

Air, Gas, Vacuum Supply and Preparation

Connectors and Accessories

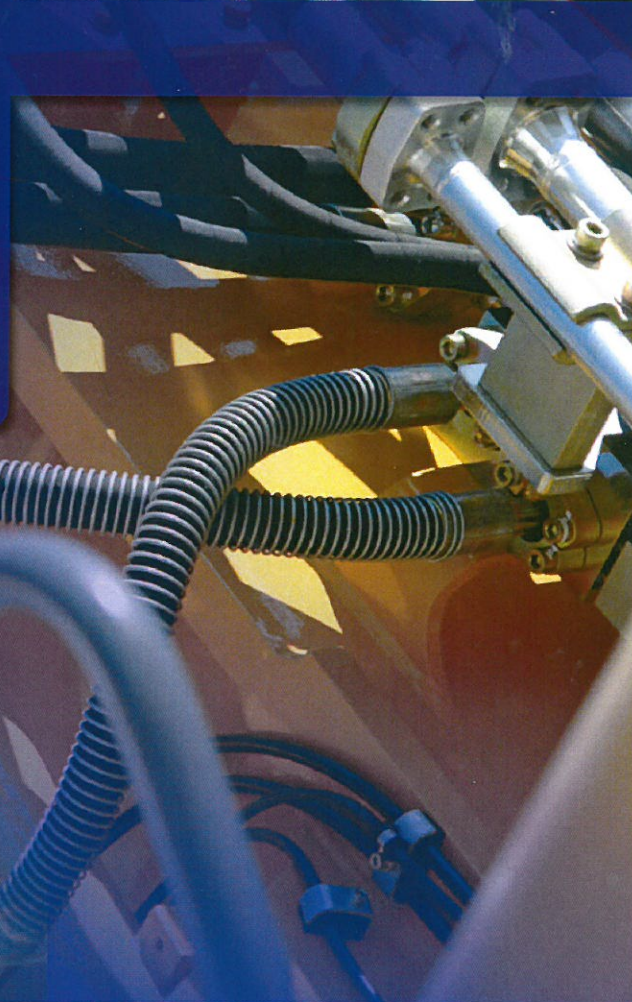
Electronic Drives and Motors

Electro-Mechanical Actuation

Electronic Controls

Sensing / Vision

Modular Aluminum Framing



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HydroAir Hughes™

An APPLIED® fluid power company

is the leading distributor of fluid power, electromechanical and sensing solutions in the Northeast. Staffed with Certified Fluid Power Engineers and Specialists, we are ready to assist you with your next automation project from concept to completion. We have three stocking locations in Maryland, New York and Rhode Island.

INDUSTRIES SERVED

Agriculture; automotive; consumer products; converting; defense; electronics; environmental; general factory automation; marine; machine tool; medical; metal fabrication; mobile equipment; office equipment; packaging; plastics; printing; transportation

SALES SUPPORT

Process evaluation; solution development; product selection; quote preparation

TECHNICAL SERVICES

Concept development; electric, mechanical, hydraulic and pneumatic circuit design; technical documentation; machine control programming; project management; installation and startup assistance

FABRICATION/ASSEMBLY

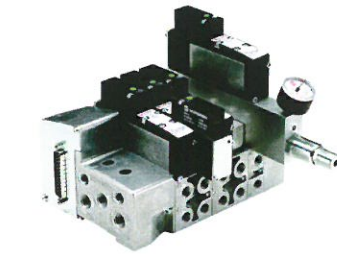
Hydraulic valve manifold assemblies; hydraulic power units and controls; fluid connector assemblies; electrical, hydraulic and pneumatic control systems; machine frames; guards and safety controls; material handling and part positioning systems; vision and sensing systems; field service and repair

APPLICATION SUCCESSES

Automated inspection; automated assembly; conveying; coordinated motion; cut-to length; dispensing; distance measurement; electro-hydraulic controls; feed-to-length; flying shear; hydraulic logic systems; hydraulic power units; indexing; machine guarding; marine drive systems; part inspection; pick-and-place; pneumatic logic; point-to-point positioning; position registration; press actuation and control; press feeding; rotary knife; surface inspection; supervisory control and data acquisition; tension control; vehicle drives and controls; web conveyance and guidance



Industrial Automation Components



PNEUMATIC ACTUATION

Products

- Cylinders - NFPA Tie Rod, ISO, Roundline, Custom
- Rodless Cylinders, Slides
- Rotary Actuators, Index Tables
- Grippers, Work Holding
- Air Springs, Gas Springs, Shock Absorbers
- Pneumatic Torque Controlled Tools, Torque Analyzers
- Self-Feed Drills, Air Hoists

Suppliers

Air-Mite Devices
Aladco
Allenair
ARO
Barrington Automation
Camco
Camozzi
Compact Automation
Cooper Power Tools
Firestone
Hanna Cylinders
Humphrey Products
ITT Enidine
KOGANEI
Mead Fluid Dynamics
Norgren
Numatics
Quincy Ortman
Springville Mfg.
Tolomatic
Turn-Act Inc.

PNEUMATIC AND PROCESS VALVING

Products

- Directional Valves - Solenoid, Air Pilot, Manual
- Pressure, Flow and Check Valves (Low & High Pressure)
- Proportional Direction, Pressure and Flow Control Valves
- Valve Manifold Assemblies
- Air Logic Valves and Accessories
- Vacuum Control Valves

Suppliers

ASCO
Air-Mite Devices
Aladco
ARO
Butech
Camozzi
Control Air Inc.
Deltrol
Dragon Mfg.
Humphrey Products
KOGANEI
Lexair
Marsh Bellofram
Mead Fluid Dynamics
Norgren
NOSHOK
Numatics
Parker Telepneumatic
Peter Paul

AIR, GAS, VACUUM SUPPLY AND PREPARATION

Products

- Oil-less Compressors and Vacuum Pumps
- Gas Boosters (Low, Medium, High Pressure)
- Vacuum Generators (Multistage Venturi)
- Blowers (Regenerative, High Pressure)
- Filters, Regulators, Lubricators
- FRL Assemblies
- Precision Regulators
- Air Dryers
- Engineered Systems

Suppliers

EDCO
Fuji Electric
Gardner Denver Thomas
Haskel
Interface Devices
Marsh Bellofram
Norgren
Numatics
Parker - Watts Fluidair

CONNECTORS AND ACCESSORIES

Products

- Push-to-Connect Fittings, NPT, Metric
- Quick Disconnect Couplings and Fittings
- Compression and Barbed Fittings
- High Pressure Fittings
- Tubing, Hose (Various Materials, Colors)
- Custom Hose & Tubing Assemblies
- Hose and Tubing Clamps
- Gauges
- Blow Guns
- Vacuum Cups
- Hose Crimpers

Suppliers

Butech
Camozzi
Coilhose
Foster Mfg.
Freelin-Wade
Hansen
Legris
Norgren
Numatics
Parker



visit www.hydroair.net

Contact your regional support center for product availability in your area.



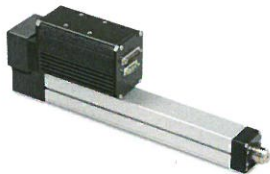
ELECTRONIC DRIVES AND MOTORS

Products

- Servo, Stepper Drives and Motors
- AC / DC Drives and Motors
- Vector Drives and Motors
- AC / DC Gear Motors
- Linear Motors and Stages (Brush DC, Brushless, Stepper)

Suppliers

Baldor
CGI
Tolomatic
Warner Electric - Altra
Industrial Motion



ELECTRO-MECHANICAL ACTUATION

Products

- Rod Style Actuators - Acme, Ball, Roller Leadscrew
- Rodless Actuators and Slides - Lead Screw, Belt Driven
- Servo, Stepper and DC Motor Driven Actuators
- Multiaxis Assemblies
- Linear Rails
- Electric Clutches and Brakes
- Lead Screws - Acme, Ball
- Single and Multistage Precision Gearboxes



ELECTRONIC CONTROLS

Products

- Programmable Logic Controllers, (PLC)
- Single and Multiaxis Motion Controllers
- Network Communications
- Human-Machine Interfaces (OITs, HMIs, Pendants)
- Remote Radio Controls
- Automation Software
- Engineered Solutions
- Cables, Connectors and Accessories

Suppliers

Baldor
Eaton
Miratron
Tolomatic

Suppliers

Baldor
CGI
Lintech
Tolomatic
Warner Electric - Altra
Industrial Motion



SENSING / VISION

Products

- Proximity Sensors - Inductive, Capacitive, Photoelectric, Magnetic Field
- Linear Position Transducers - Inductive, Photoelectric, Magneto-Inductive, Magnetic Encoder
- Machine Vision
- Pressure, Flow and Force Transducers
- Safety Switches, Interlocks, Light Curtains and Controls
- Radio Frequency Identification (RFID) - Tags, Read/Write Heads
- Cylinder Mounted Sensors
- Robot Zone Limit Systems
- Mechanical Limit Switches
- Network Connectivity Components

Suppliers

Balluff
Hydac
Nason
NOSHOK
Schmersal
Tri-Tronics



MODULAR ALUMINUM FRAMING

Products

- Aluminum Extrusions - Fractional and Metric
- Modular Aluminum Framing Components Including Fasteners, Joining Plates, Hinges, Handles, Linear Bearings, Bins, Tool Hangers, Plexiglass, Wire Mesh, Custom Plates
- Custom Designed Workstations, Machine Guards and Frames
- Kitted Components and Tagged Drawings for Ease of Assembly
- Assembly and Installation Services

Suppliers

80/20 Inc.
Frame World
Machine Solutions



Automation and Hydraulic Suppliers Represented

Automation Products

80/20 • Air-Mite Devices • Aladco • Allenair • ARO • ASCO • Baldor • Balluff • Barrington Automation • Butech • CGI • Camco • Camozzi • Coilhose • Compact Automation • Control Air Inc. • Cooper Power Tools • Deltrol • Dragon Mfg • Eaton • EDCO • ITT Enidine • Firestone • Foster Mfg. • Frame World • Freelin-Wade • Fuji Electric • Gardner Denver Thomas • Hanna Cylinders • Hansen • Haskel • Humphrey Products • Hydac • Interface Devices • KOGANEI • Legris • Lexair • Machine Solutions • Marsh Bellofram • Mead Fluid Dynamics • Miratron • Nason • Norgren • NOSHOK • Numatics • Parker Telepneumatic • Parker-Watts Fluidair • Parker Fluid Connectors • Peter Paul • Quincy Ortman • Schmersal • Springville Mfg. • Tolomatic • Tri-Tronics • Turn-Act Inc. • Warner Electric - Altra Industrial Motion

Hydraulic Products

AKG • Anchor Fluid Power • Atlas Cylinders • Auburn Gear • Baldor • Balluff • Brand Hydraulics • Brevini • Butech • Casappa • Cross Manufacturing • Daman • Delta Computer Systems • Deltrol • DMIC • Denison/Parker • Des-Case • Durst • Dynex • Eaton, Char-Lynn, Vickers, Hydro-Line • Enerpac • Greer • Haldex/Barnes • Hanna Cylinders • Haskel • Hayden • Helac • Hilliard • Husco • Hydac • Hydro-Craft • HydraForce • Hydro Air Hughes • Hydro-Gear • Hy-Lok • Integrated Hydraulics • Interface Devices • ITT Enidine • Kawasaki Hydraulics • Magnaloy • Mico • Miratron • Nachi • Nason • NOSHOK • Oilgear • Parker Fluid Connectors • Peninsular Cylinder • Poclain Hydraulics • Quincy Ortman • Rotary Power • Schroeder Industries • SSP • Stauff • Thermal Transfer • Tobul • Vescor • Walvoil • Wandfluh • Weg • Zero-Max • Zinga Industries

80/20[®] Inc.
The Industrial Erector Set[®]

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Fax: 401-784-4444

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Visit us at www.hydroair.net


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