# ISAACS Fluid Power Equipment Company

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Fax: (513) 336-8502

**COLUMBUS**  
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**INDIANAPOLIS**  
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Fax: (317) 577-6930

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**FORT WAYNE**  
7127 Homestead Rd., Suite G, Fort Wayne, IN 46814  
Phone: (260) 471-8999  (877) 471-8999  
Fax: (260) 471-6888

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## Representatives and Distributors of Fluid Power Pneumatic and Vacuum Technology Products

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Ask how our MACHINE AUTOMATION GROUP can help put these products to work for you!

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**Supporting Your Operations Locally with:**  

- Inventory & Managed Inventory Service  
- Fluid Power Education Programs  
- Design & Technical Assistance  
- Technology Leading Products  
- Project Build & Installation  
- Factory Authorized Gast Service Center

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*Your local Sales Representative:*
### POWER OUTPUT DEVICES

#### CYLINDERS & ACTUATORS - LINEAR, ROTARY, AIR & HYDRAULIC

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<th>Brand</th>
<th>Description</th>
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<tr>
<td><strong>ALLEN AIR</strong></td>
<td>Standard duty air cylinders up to 200 psi, and hydraulic duty up to 500 psi. 1/2&quot; to 4&quot; bore size with universal mount attachments. Many standard configurations including, 3 position, tandem, valve-in-head, guided, non-rotating rod, all 316 or 304 stainless. Cyl-Check hydraulic checking type air cylinders. FAST delivery.</td>
</tr>
<tr>
<td><strong>TURN-ACT</strong></td>
<td>Rotary Motion and Multi-Motion products. 0 - 270 degrees rotation. Zero-backlash rotary vane design. Adjustable strokes, position sensing, compact design. Torques up to 3,500 in. lbs. - Multi-Act multiple axis devices for demanding applications. - Valu-Act Ball Valve Actuators.</td>
</tr>
<tr>
<td><strong>COMPACT AUTOMATION</strong></td>
<td>Space saving, low profile, rugged duty air &amp; hydraulic cylinders available in 1/8&quot; to 8&quot; bore size. Standard model ball slides, guided rod, tandem cylinders, linear thrusters, and a full line of angular and parallel motion pneumatic grippers. Let us customize a cylinder to meet your challenge!</td>
</tr>
<tr>
<td><strong>CLIPPARD</strong></td>
<td>Miniature air service up to 250 psi, hydraulic versions available up to 2,500 psi. 5/32&quot; to 3&quot; bore size, double and single acting. Available in brass, aluminum, steel, stainless and Delrin construction. Low profile, space saving actuators.</td>
</tr>
<tr>
<td><strong>CUNNINGHAM</strong></td>
<td>Heavy Duty Air &amp; Hydraulic NFPA-JIC Series Cylinders. Air pressure to 250 psi, hydraulic pressures up to 3,000 psi. 1-1/2&quot; to 20&quot; standard bore sizes. Custom designed larger bores. Offered in brass, steel, stainless steel and aluminum, and nickel plated finishes. Marine and construction grade hydraulic cylinders to 3,500 psi.</td>
</tr>
<tr>
<td><strong>PARKER ORIGA</strong></td>
<td>The original rodless cylinder manufacturer. 10 thru 80 mm bore size, standard stroke lengths up to 15 feet. Available versions include guided rails, linear bearing, brakes, multi-position, linear positioning, cleanroom, corrosion resistant, and electric drive modules.</td>
</tr>
<tr>
<td><strong>BARRINGTON</strong></td>
<td>Precision pneumatic rotary actuators and linear slides. Rotary actuators available with 0 to 180 rotation, up to 210 in. lbs. torque. Features include end of travel sensing, and adjustable cushions. Linear table and guided rail slides with end of stroke sensing and high load capacities. Multi-axis combination modules.</td>
</tr>
<tr>
<td><strong>DURAMASTER • MOTION</strong></td>
<td>Standard Duty Air Cylinders to 250 psi. 1-1/8&quot; to 8&quot; bore sizes. Variety of construction materials and mounting styles built to comply with NFPA or non-NFPA dimensions. Economical design, speedy delivery, and numerous options and accessories.</td>
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### SPECIALTY CONTROL DEVICES

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<tr>
<td><strong>GAST</strong></td>
<td>Air Motors &amp; Gear Reduced Air Motors Variable speed instantly reversible, 1/3 to 9 horsepower, inherently explosion proof. Speeds up to 10,000 rpm. Stainless steel and gear reduced models.</td>
</tr>
<tr>
<td><strong>KAVLICO • NASON</strong></td>
<td>High quality industrial and mobile pressure, vacuum, temperature, liquid level switches and sensors.</td>
</tr>
<tr>
<td><strong>ALLEN AIR</strong></td>
<td>Pneumatic rotary indexing tables. 4 - 100 Indexes. Cyl-Check air cylinders with stop, dwell, skip hydraulic checking action.</td>
</tr>
<tr>
<td><strong>BRANHAM• GREENCO</strong></td>
<td>Cable cylinders in 1&quot; to 4&quot; bore sizes. Available with brakes, self-tensioning, fully enclosed, or magnetic coupled.</td>
</tr>
<tr>
<td><strong>AAA JIFFY DRILLS &amp; TAPS</strong></td>
<td>Hydraulic motor driven drilling and lead screw tapping units. Capacities to 8&quot; diameter and taps of 6 to 40 threads per inch. Rugged, long lasting, heavy duty design.</td>
</tr>
<tr>
<td><strong>DESOUTTER AUTO FEEDS</strong></td>
<td>Automatic feed drills and tappers with air or electric drive. Full function control heads, hole diameters to 1/2&quot;. Available with skip-feed, peck-feed, dwell control and a complete line of mounting plates and columns.</td>
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### ENIDINE ENERGY ABSORPTION

A complete line of energy absorption products including miniature to high impact industrial hydraulic adjustable and non-adjustable shocks, dampeners, air springs, coiled wire vibration isolators.
# AIR and HYDRAULIC VALVES

## DIRECTIONAL and LOGIC CONTROL

### AAA PRODUCTS
General purpose, 4-Way / 5-Way air valves. Pressures up to 250 psi air, 600 psi for severe service. 1/4" to 2" npt ports, manual, solenoid, air pilot, bleed pilot, explosion-proof, latch-lock, cam, roller, or foot pedal operators. Also available in 304/316 Stainless.

### ALLENAIR
Versatile solenoid, pilot, or manually operated air valves. Direct acting design in 1/8" to 1/2" npt. Available with built-in exhaust restrictors, manual overrides, and conduit or DIN style connectors. In-line, sub-base or manifold mounting available.

### AUTOMATIC VALVE
World class, long-life, ruggedly designed air valves for demanding applications. Available in port sizes ranging from 1/8" to 1-1/2" npt in either spool or poppet designs. Solenoid, mechanical, pilot operators. In-line, manifold, sub-base mounting styles. ISO sub-base bodies.

### CLIPPARD - Modular Logic
Extensive selection of miniature and subminiature control devices offered for pneumatic and electro-pneumatic logic control. Pre-designed pneumatic control function packages with acrylic sub-plates. Two hand non-tie down, auto-cycler, delay, clamp-unclamp functions. Fast operating, high cycle 10mm & 15mm solenoid valves.

### CLIPPARD
Subminiature 2, 3 and 4 way valves for air, water and oil service to 300 psi. 10/32 and 1/8" npt ported valves available with an extensive selection of manual push buttons, selector switches, roller cams, whisksers, pilot actuators, and foot pedals. Miniature limit switches and pneumatic non-contacting prox switches. Brass and nickel plated.

### FLOW CONTROLS, NEEDLE, CHECK, SHUTTLE, RELIEF, QUICK-EXHAUST VALVES

### AIR LOGIC • ALLENAIR • ALKON • CLIPPARD • COMPACT • PARKER • REGO
Accessory valves available in port sizes from 10-32 thread to 2" npt, offered in brass, aluminum or stainless steel with many available from stock.

## LOCK-OUTS and SOFT STARTS

### ALKON • AUTOMATIC • PARKER

### PROCESS CONTROL & BALL VALVES

### WATTS • PARKER • DIXON • UCI
Fast frames, machine bases, machine guarding, CAD designs from your sketches.

### ALKON
NPT, Metric, Food Grade, Medical, Plastic, Brass, Nickel Plated, Stainless DOT, Barbed, Miniature Coils, Twin & Multi-tube medical, chemical, multi-tube, and beverage management applications. RFID and "Smart" Couplers.
## Supply - Conditioning - Piping Products

### Air Compressors

**GAST (Factory Authorized Service Center)**

- Air compressors and vacuum pumps available as lubricated or oilless designs.
- Compressors to 125 psi, vacuum to 28.5"hg with flow ranges of 0.1 cfm thru 50 cfm.
- 1/40 HP to 5 HP range. Air motors to 9 HP.
- Vacuum generators, vacuum cups, and switches.
- High volume regenerative blowers for vacuum or positive pressure. TEFC motors and full range of accessories. 10 to 700 cfm with pressures up to 9 psi.
- Tank mounted, oilless, air compressor and vacuum pump packages. Simplex and duplex models.

**JUN-AIR Div. of GAST**

- Clean, quiet, dependable air compressors and vacuum pumps for the rigorous needs of the laboratory, medical, dental and bio-science fields. Customizable packaged systems.

**CURTIS - TOLEDO**

- Industrial air compressors and packaged air delivery systems. Rotary screw, and piston type air compressors. Lubricated and oilless packages. Tank mount, single and duplex. 1 to 250 HP packages with aftercoolers and dryers.
- Nitrogen generating packages.

**BUSCH**

- Vacuum pumps, blowers, and central vacuum pump systems from 20 thru 1000 cfm. Designed for continuous duty vacuum requirements. Industrial systems capable of providing vacuum to 29.98"hg, and chemical process duty pumps for vacuum to 1 torr. Recirculating oil-sealed or oil-free models. Custom engineered systems for any vacuum application or purpose.

### Air Treatment

**HANKISON / SPX**

- Complete line of refrigerated and regenerative type compressed air dryers, after coolers and high efficiency filters for particulate and oil removal.
- Breathing air filtration systems.

### Pressure & Proportional Control

**CLIPPARD • DWYER • FAIRCHILD • WATTS**

- Electronic valves and electro-pneumatic devices for proportional control of air pressure or flow based on a variable input current.

### Transducers

**FAIRCHILD • PARKER-WATTS • AIRLOGIC**

- High precision air pressure regulators, pneumatic volume boosters, signal relays, and ratio relays. Extremely sensitive to downstream and upstream pressure variations, fast response time. Motorized versions.

### Fittings

**COLDER • TWIN-TEC**

- Quick connect couplers. Industrial, medical, chemical, multi-tube, and beverage management applications.
- RHID and "Smart" Couplers.

### Connectors

**FRAME-WORLD**

- Complete line of extension framing and accessories. Fast frames, machine bases, machine guarding, CAD designs from your sketches.

### Hose

**AIRLOGIC**

- NPT, Metric, Food Grade, Medical, Plastic, Brass, Nickel Plated, Stainless DOT, Barbed, Miniature Coils, Twin & Multi-tube

**ALKON**

**ALPHA**

**CLIPPARD**

**NYCOIL**

**PARKER**

**TUBING**

**STRUCTURAL FRAMING**

- Complete line of extension framing and accessories. Fast frames, machine bases, machine guarding, CAD designs from your sketches.