

# Ralph W. Earl

AUTOMATION SOLUTIONS



ENGINEERING

SYSTEMS

ASSEMBLY

COMPONENTS

ELECTRONIC

PNEUMATIC

HYDRAULIC

PROCESS



## Our History

The Ralph W. Earl Company was founded in 1954 as a Fluid Power Distributor serving Central New York with a few product lines. As the company and the fluid power industry grew, Ralph W. Earl added additional product lines and expanded our coverage to all of Upstate New York and Northern Pennsylvania.

Since then, the company's core competencies have expanded to include engineering and assembling of complete hydraulic and pneumatic systems. Electric products have been added, and those complete systems have become more complex. Our mission is to make it easy for manufacturers to adopt new technologies and reduce their manufacturing costs.

Ralph W. Earl currently partners with over 50 leaders in the pneumatic, electronic, and hydraulic industries. The selection of those suppliers is driven by the need to help customers optimize their manufacturing processes with cutting edge technology.

We now employ approximately 55 people. Our main facility is located in Syracuse, New York. We occupy 44,000 square feet on East Molloy Road, with field offices in Albany, Binghamton, Buffalo, Cortland, Rochester, and Erie, PA.

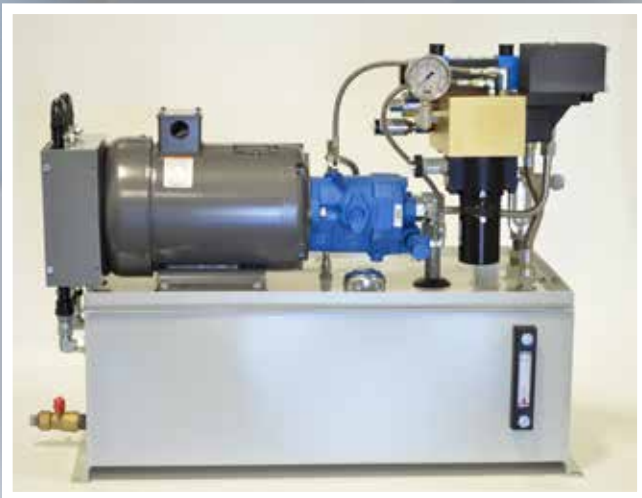
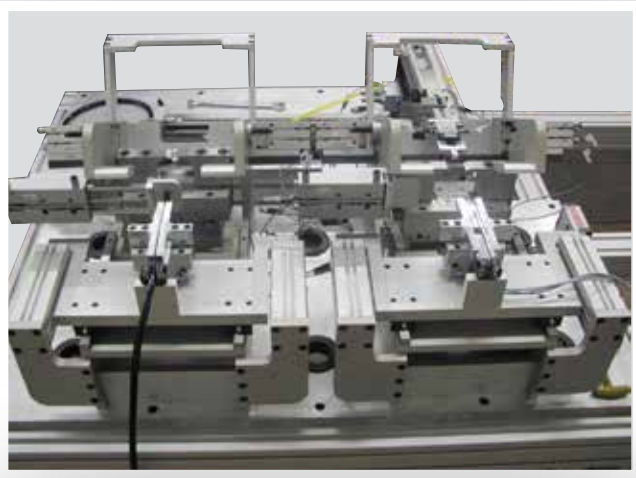
## Why Ralph W. Earl?

Automation Technology is changing rapidly as manufacturers look to find ways to improve productivity and reduce costs. Our mission is to provide the expertise and products to help our customers apply cutting-edge solutions from the best manufacturers in the industry, while making it easy for manufacturer's to adapt new technologies and reduce their manufacturing costs.

Rapidly changing technologies in the areas of robotics, bus control schemes and architecture, safety compliance, predictive maintenance, hydraulic motion control, RFID, process automation, industrial ergonomics, and machine vision are just a few that manufacturers will struggle to stay abreast of without the help of experts like Ralph W. Earl, who focus on these things every day. Industrial Internet of Things (IIoT) and Industry 4.0 are already influencing the next wave of manufacturing technology evolution, and need to be understood and applied.

If you are looking to partner with a company with a proven commitment to innovation, a company that knows how to handle and take advantage of emerging manufacturing technologies, please contact us. We look forward to talking with you.

**Engineering • Systems • Assembly • Components**



# Pneumatics



**Norgren** formerly Acro  
Pinch Valves and Integrated Fluid Control Assemblies



**Adsens Technology**  
Pressure Switches, Magnetic Sensors, Pneumatic Fittings, Electrical Connectors and Accessories



**Air/Tak**  
Air Dryers and Compressed Air System Products



**Airtech**  
Vacuum Pumps, Blowers, and Compressors



**Anver**  
Vacuum Material Handling & Lifting Components



**Bimba Mfg.**  
Pneumatic & Electro-Pneumatic Cylinders, and Rotary Actuators



**Bridgestone**  
Air Spring Grippers and Pickers



**Camozzi Pneumatics**  
Pneumatic Fittings, Flow Controls, Cylinders, and Filter/Regulator/Lubricators



**Parker Vacuum**  
Pressure & Vacuum Sensors and Transducers



**Deltrol Fluid Products**  
Pneumatic & Hydraulic Valves and Flow Controls



**Fabco-Air**  
Actuators, Linear Slides, Grippers, Valves, Air Prep and Accessories



**Flairline**  
Pneumatic Actuators



**Festo Pneumatic Products**  
Pneumatic Cylinders, Linear and Rotary Actuators, Valves, Manifolds, Servo Pneumatic Positioning Systems, Vacuum Technology, Air Preparation Units, Safety Solutions, Sensors, Fittings, and Accessories



**Firestone Industrial**  
Air Spring Actuators and Vibration Isolators



**Flo-Tech**  
Flow Meters and Sensors



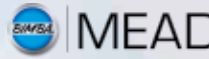
**Hedland**  
Flow Meters and Sensors



**Danfoss** formerly Eaton Hydro-Line  
Industrial Pneumatic Cylinders



**Parker Legris**  
Pneumatic Fittings, Valves, Accessories, and FRL's



**Mead**  
Pneumatic Actuators, FRL's, and Specialty Valves



**Monnier**  
Custom Air Preparation and Pneumatic Components



**NewAge Industries**  
Tubing, Hose, Fittings, and Accessories



**Pneumadyne**  
Miniature Pneumatic Products



**PolyConn**  
Pneumatic Tubing, Hose, and Accessories



**Parker Rectus**  
Quick Connect Couplings, Hoses, and Tubing



**Sheffer**  
Hydraulic & Pneumatic NFPA Cylinders



**Spartan Scientific**  
Solenoid Valves and Air Accessories



**TRD Manufacturing**  
Pneumatic Tie-Rod Cylinders, Rod Alignment Couplers, Air/Oil Tanks



**UCI**  
Valves and Accessories



**Norgren** formerly Vaccon  
Air-Operated Vacuum Pumps, Vacuum Cups, Vacuum and Pressure Switches, Vacuum Accessories



**Parker Watts**  
Particulate Filters, Coalescing Filters, Regulators, Lubricators



**Wilkerson**  
Particulate Filters, Coalescing Filters, Regulators, Lubricators, Dryers, Separators, Drains, and Compressor Room Equipment



**Winters**  
Pressure Gauges, Transmitters, Thermometers and Accessories



# Hydraulics and Lubrication



**Air Sentry**  
Air Breathers for Particulate and Water Removal



**Alemite**  
Grease-Based Lubrication Products and Solutions



**Anchor Flange**  
SAE 4-bolt Solid and Split Flanges



**Atos**  
Electrohydraulic Valves and Pumps, Cylinders, and Safety Valves



**Danfoss formerly Eaton Char-Lynn**  
Hydraulic Motors, Steering Products, and Valves



**Danfoss formerly Eaton Hydro-Line**  
Industrial Hydraulic Cylinders



**Delta Power**  
Hydraulic Pumps, Motors, Flow Dividers, Power Packages, and Valves



**Deltrol Fluid Products**  
Pneumatic & Hydraulic Valves and Flow Controls



**DMIC**  
Hydraulic Ball Valves, Flanges, and Accessories



**Danfoss formerly Eaton**  
Hydraulic Pumps, Motors, Valves, Hydrostatic Transmissions, Electronics, and Accessories



**Eaton Filtration (Internormen)**  
High, Medium and Low Pressure Filters, Filtration Systems, Contamination Monitoring Systems, Breather Filters and Filter Elements



**Flairline**  
Low-Pressure Actuators



**Flo-Tech**  
Flow Meters and Sensors



**Flow Ezy Filters**  
Hydraulic Filters, Strainers, and Accessories



**Graco**  
Fluid Handling Products and Solutions



**Hedland**  
Flow Meters and Sensors



**Heypac**  
Air-Operated Pumps and Power Packs



**Hydronic Pumps**  
Air-Driven Hydraulic Pumps



**Kyntronics**  
Hydraulic and Electro-Hydraulic Actuators



**Lenz**  
Hydraulic Fittings, Tubing, Hose, Gauges, and Accessories



**Lincoln Industrial**  
Grease-Based Lubrication Products and Solutions



**Magnaloy Coupling**  
Pump/Motor Adapters, Shaft Couplings, Manifolds, Rod-Alignment Couplers, and Tank Accessories



**Marzocchi Pumps**  
Gear Pumps and Motors



**Oilgear**  
Pumps, Valves, Cylinders, and Accumulators



**Orsco**  
Oil-Spray and Grease-Spray Lubrication Systems



**Pall Corporation**  
Filters and Fluid Clarification Systems for Hydraulic, Lubrication, and Process Applications



**Parker Rectus/Nycoil**  
Quick Connect Couplings, Hoses, and Tubing



**Sheffer**  
Hydraulic & Pneumatic NFPA Cylinders



**SKF**  
Oil-Based Lubrication Products and Solutions



**Stauff**  
Hydraulic Supports, Filters, Diagnostics, Accumulators, Ball Valves



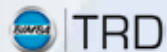
**Tan Delta**  
Oil Condition Monitoring Solutions



**Thermal Transfer**  
Heat Exchangers and Accessories



**Tobul Accumulator**  
Hydraulic Accumulators



**TRD Manufacturing**  
Hydraulic NFPA Cylinders



**Danfoss formerly Eaton Vickers**  
Hydraulic Pumps, Motors, Valves, Electronics, Controls, and Accessories



**Winters**  
Pressure Gauges, Transmitters, Thermometers and Accessories

# Automation, Controls and Electric

**80/20® Inc.**  
The Industrial Erector Set®

**80/20**  
Custom Collaborative Industrial Robot Cells,  
Robot Top Modules



**Applied Motion Products**  
Servo and Stepper Motors

**BALLUFF**

**Balluff**  
Sensors, Transducers, Machine Vision, Cables,  
Connectors and Communication



**Bimba Mfg.**  
Pneumatic & Electro-Pneumatic  
Cylinders, and Rotary Actuators



**Bimba Electric Motion**  
Electric Linear Actuators - Ballscrew, Leadscrew,  
Linear Servomotor, Belt, and Rack & Pinion drive



**Canfield Connector**  
Electrical Connectors



**Diequa**  
Gearboxes, Gearheads, Speed Reducers, and  
Power Transmissions



**Dyadic**  
Electric Actuators



**EDRIVE**  
Electric Heavy-Duty Ball Screw Linear Actuators



**Festo Electric Products**  
Electromechanical Linear and Rotary Actuators  
and Grippers, Servo and Stepper Motors, Drives  
Systems, Controllers, Safety, Software, Handling  
Systems, Image Processing Systems and Sensors.  
Electric Parallel Gripper, Adaptive Shape Gripper,  
Vacuum Gripper, and 7th Axis for Collaborative  
Robots, Lift Platform for Mobile Industrial Robots



**Flexibowl**  
Flexible Part Feeder, URcap



**GAM**  
Gear Reducers, Servo Couplings and Linear  
Mounting Kits



**JVL**  
Stepper Motors with Integrated Controller



**MiR**  
Mobile Industrial Robots, Applications, Top  
Modules and Accessories



**MTS Temposonics**  
Linear Position Sensors, Level Sensors,  
and Transducers



**Murrelektronik**  
Electrical Connections and Communications

**New Scale  
Robotics**

**New Scale Robotics**  
Q-Span Automated Small-Parts Measurement Sys-  
tem, Precision Gripper/Caliper, Multi-Tool Mount, and  
Metrology Fingertips



**OnRobot**  
Collaborative Robot Grippers, Vision System, Screw-  
driver, Sander, Quick Changer and Multi-axial Force/  
Torque Sensors (for use with Collaborative Robots)



**Pepperl & Fuchs**  
Capacitive, Inductive, Ultrasonic, and Photoelectric  
Sensors, Zone Scanners, AS-Interface, ID Systems,  
Rotary Encoders, Cordsets, and Junction Blocks



**QC Industries**  
Low Profile Belt Conveyors



**Robo-Gear**  
Industrial Robot Covers, Disposable/Paint Robot  
Covers and Services, Custom Cable, Conduit and Lift  
Table Covers



**Robotiq Robots**  
Collaborative Robot Grippers, Force/Torque Sensors,  
Wrist Camera, Palletizing Solution, Machine Tending  
Solution, Screwdriving Solution, (for use with Collabo-  
rative Robots)



**Roboworld**  
Protective Robot Suits (for use with Universal  
Collaborative Robots)



**ROEQ**  
Top Modules and Docking Stations for Mobile  
Industrial Robots



**Schunk**  
Machine Vision Systems, Electric, Co-Act and  
Pneumatic Grippers, Flex Grip Solution, Force/Torque  
Sensor, and Tool Changers for Collaborative Robots



**Static Clean**  
Static Neutralizing Systems, Bars and Power  
Supplies, Ionizing Bench Top and Overhead Blowers,  
Ionizing Air Guns and Nozzles, Electrostatic Charging  
Equipment, Sheet/Web Cleaners, Laminar Flow  
Benches, Medical Cleaning Stations, Clean Room  
Systems and Static Control Measuring Devices



**Teledyne Dalsa**  
Machine Vision Systems



**Unitronics**  
PLC + HMI in One Unit with Flexible I/O, Advanced  
Communication and Free Software and Utilities



**Universal Robots**  
Collaborative Robots



**Vectis**  
Cobot Welding Tool



**WAGO**  
Terminal Blocks, Connectors, Power Supplies, and  
Field I/O Systems

# Process Automation

**BALLUFF**

**Balluff**  
Industrial Networking, Identification, Object Detection, Linear Position and Distance Moving



**Pall Corporation**  
Filters and Fluid Clarification Systems for Hydraulic, Lubrication, and Process Applications

**FESTO**

**Festo Process Products**  
Ball Valves, Actuators, NAMUR Valves, Sensor Boxes, Positioners, Pinch Valves and Control Cabinets for Industrial, Hazardous and Sanitary Applications



**Pepperl & Fuchs**  
Capacitive, Inductive, Ultrasonic, and Photoelectric Sensors, Zone Scanners, AS-Interface, ID Systems, Rotary Encoders, Cordsets, and Junction Blocks



**Flo-Tech**  
Flow Meters and Sensors



**Spartan Scientific**  
Solenoid Valves and Air Accessories



**Hedland**  
Flow Meters and Sensors



**UCI**  
Valves and Accessories



**Parker Legris**  
NSF and FDA Compliant Push-to-Connect Fittings



**Winters**  
Pressure Gauges, Transmitters, Thermometers and Accessories



# Mechanical / Structural

**80/20® Inc.**  
The Industrial Erector Set™

**80/20**  
T-Slotted Aluminum Structural Extrusions



**Nippon Bearing**  
Precision Bearings and Bushings



**Ace Controls**  
Industrial Shock Absorbers, Gas Springs, Rotary Dampers, and Elastomer Bumpers



**QC Industries**  
Low Profile Conveyors, and Flextrac Modular Conveyor



**Bishop-Wisecarver**  
Linear and Rotary Guide Systems



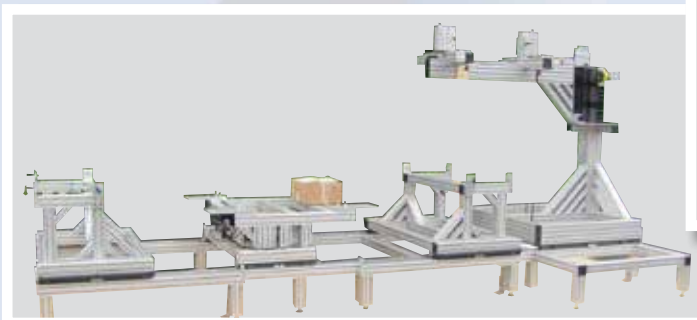
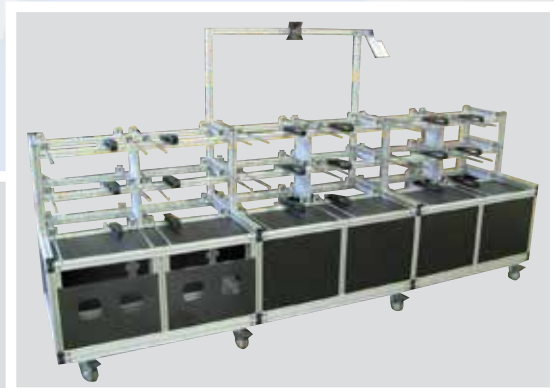
**Vention**  
Custom Mounting and Stand Assemblies for Universal Robots



**Dyna-Lift**  
Ergonomic Height Adjustable Systems



**Firestone Industrial**  
Air Spring Actuators and Vibration Isolators



Call us today (315) 454-4431 / Visit us online at [www.rwearl.com](http://www.rwearl.com)

# Ralph W. Earl

AUTOMATION SOLUTIONS



## HEADQUARTERS

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Clifton Park, NY 12065  
Tel: (518) 373-2101

**BUFFALO**  
Williamsville, NY 14221  
Tel: (716) 632-2282

**ERIE, PA**  
Cooperstown, PA 16317  
Tel: (814) 321-7831

**BINGHAMTON**  
Binghamton, NY 13904  
Tel: (607) 775-2630

**CORTLAND**  
Marathon, NY 13803  
Tel: (315) 454-4431

**ROCHESTER**  
Rochester, NY 14623  
Tel: (585) 697-3326



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