

**Building a Stronger America through
Innovative Automation Solutions**

FIER 
AUTOMATION
A Hartfiel Automation Company

**Serving the Rocky Mountain Region
Since 1984**

**Colorado
Office**

800.638.0920
303.341.3600

**Utah
Office**

800.828.4252
801.567.1188

www.fieroautomation.com

The Fiero Difference

Fiero provides pneumatic, automation, and instrumentation technologies serving clients across the Rocky Mountain Region. Our goal is to help our customers with their automation needs. Whether it's an OEM product, a new machine design or an in-house continuous improvement project, **Fiero Automation has the components and the know-how to help.**

Products

Machine Control

- PLC Controls & Motion Controllers
- HMI Devices
- Industrial Networking & Connectivity
- Control Cabinet Components

Vision, Sensors & Data Acquisition

- 2D & 3D Vision Systems
- Barcode Readers
- Sensors
- RFID
- Linear & Rotary Position Sensors

Mechanical Motion & Actuation Devices

- Robotics
- End Effectors
- Conveyors
- Pneumatic Actuators
- Electric Actuators
- Motors & Gearheads
- Bearings & Rails
- Energy Absorption Devices

Pneumatics, Instrumentation & Fluid Control Devices

- Pneumatic Directional Control Valves
- Liquid Control Valves
- Air Preparation
- Compressors & Vacuum Pumps
- Vacuum Systems and Components
- Instrumentation Products
- Pneumatic Accessories

Framing & Structural Components

- 80/20 Industrial Framing
- Machine Guarding
- Device Mounting Hardware

Machine Safety

- Safety PLC & Controls
- Electrical Safety Devices
- Pneumatic Safety Devices

Manufacturers



Additional Manufacturers

Aladco	Dwyer Instruments	Oriental Motor
Acro	Edmond Optics	Parker Skinner
Alkon	Foster	Panasonic
Allied Molded	Freelin Wade	Pisco
Allied Witan Company	Generant	Pneumadyne
Animatics	GSM America	Robotiq
Anver	Hoke	RUB Valves
Apollo	Igus	Saginaw Enclosures
Atkomatic	John Guest	SMAC
Barksdale	Jun-Air	Smart Vision Lights
B-D Cylinder	Kollmorgen	Spartan-Canfield
Bishop-Wisecarver	Lexair	Swivel Link
Brasscraft	Major Electronics	Turn-Act
Camozzi	Mead Fluid Dynamics	Troax
CCS America	Mem-Co Fittings	Vaccon
Circle Seal	MFD Pneumatics	Vi-cas
Colder Products/CPC	Monnier	Watts
Compact Air	Nabtesco	Wittenstein
Conbraco	Nook Industries	Zebra
Control Air	NSK Precision	ZeroMax
	Nycoil	



As a distributor for MAC and PHD we are also members of the MDN. The MDN is a global organization of independent distributors and manufacturers with a common goal of superior customer service and support worldwide.

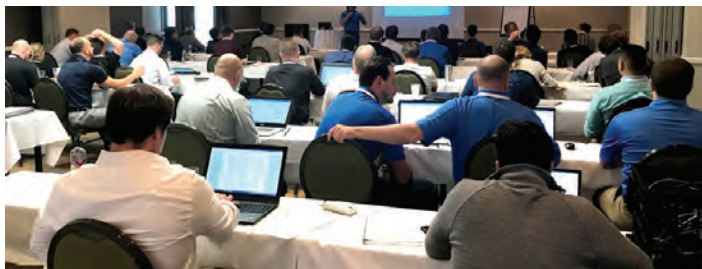
www.mdnworldwide.com

Fiero Capabilities

Our team of engineers, specialists and account managers are ready to provide a range of services. These include Automation Design Consultation, Training, 80/20 Mechanical Design, Value Add Design and Assembly and our trademarked CPR® process to uncover and document cost savings and profit opportunities associated with your plant equipment.

Automation Design Consultation

- Staffed Engineers & Product Specialists
- On-site Application Review
- Single Item Specification or Full Machine Review
- Proof of Concept to Implementation Assistance



Training

- Customized Training to Meet Your Needs.
- On-site or Off-site Training
- Wide Range of Topics Including: Pneumatic Systems, Machine Vision, PLC Programming and Machine Safety

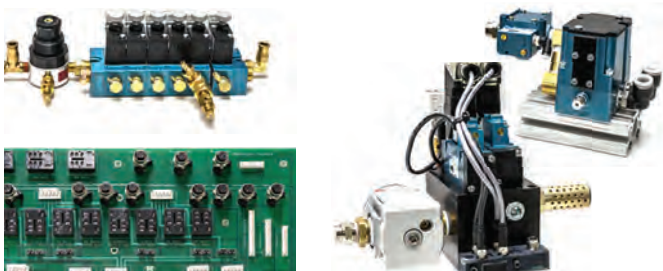
80/20 Mechanical Design

- From Rough Sketch to Final BOM
- CAD Design Using AutoCAD or Solidworks
- Quotes Based on Your Needs: Stock Parts,
- Ready to Assemble Kits, Completely to Assembled Frames



Value Add Design & Assembly

- Fully Customized Components
- Modified Standard Parts
- Assemblies & Kits at Competitive Rates
- Lower Total Cost of Ownership Through Customized Solutions



The trademarked CPR® process provides our customers with quantifiable feedback as we work with them to identify ways to capture savings and profit related to specific opportunities on their equipment. We compare your existing situation to our proposed solutions and input critical information into our custom-built application software. We then are able to illustrate the logical path forward to maximize your profits.

Machine Control

PLC & Motion Controllers

Machine Automation Controllers & PLC's
Single & Multi Controllers
VFD & Speed Controls



Panel PC, Power Panel & HMI's

Single and Multi-Touch Interfaces and Controls



Industrial Networking Devices

IO-Link Master & I/O Blocks
Industrial Network I/O
Slice I/O



Control Cabinet Components

Enclosures – Metal, Composite, Stainless Steel
Power Supplies
Contactors, Motor Starters, Relays,
Light Towers, Push Buttons, Switches & Pilot Lights



OMRON

BALLUFF

EATON

DATA PANEL
A Murrelektronik Company

IDEC

Vision, Sensors & Data Acquisition

Machine Vision

2D Vision Sensors & Systems
Multi-Camera Systems
3D Laser Profilers



Barcode Readers

1D & 2D Handheld & Fixed Mount Readers
Barcode Verifiers



Sensors

Optical Sensors
Fiber Optic & Laser Distance Sensors
Inductive & Capacitive Sensors
Ultrasonic Sensors



RFID

Inductive Based Low & High Frequency
UHF Electro-magnetic Based

BALLUFF

OMRON
AUTOMATION & SAFETY

IDEC

Panasonic
SUNX

ZEBRA

Additional Brands: Optex, Vaccon, Wika



Mechanical Motion & Actuation Devices

Robots

- 6 & 7 Axis
- 6 Axis Collaborative
- 4 Axis Scara
- Autonomous

Robotic End Effectors

- Pneumatic & Electric Grippers
- Vacuum End Effector Solutions

Conveyors

- Flat Belt
- Stainless Steel
- Smart Flex® - Flex Chain
- Dual Strand

Pneumatic Actuators

- Non-repairable Round Body Cylinders
- Tie Rod & NFPA Style
- Rodless Slides
- Grippers
- Clamps

Electric Actuators

- Screw & Belt Drive
- Rod Style
- High Force Rod Style
- Linear Motors

Motors & Gearheads

- Servo & Stepper Motors & Drives
- Induction Motors
- Right Angle & Planetary Gearheads
- 2-Stage Cycloidal Gearheads

Bearings & Rails

- Profile Rail & Bearings
- Round Rails & Bearings
- V-Style Rail & Wheel/Bearings

Energy Absorption

- Shock Absorbers
- Wire Rope Isolators
- Air Springs



Additional Brands: Animatics, Anver, Bishop Wisecarver, Compact-Air, Kollmorgen, Nabtesco, Nook, Oriental Motor, Turnact, Vaccon,



Pneumatic, Fluid Control & Instrumentation Devices

Pneumatic Directional Control Valves

- Inline 2 way, 3-way, 4-way & 5-way valves
- Manifold 3-way, 4-way & 5-way valves
- Bus Controlled Manifold Valves
- Bus Controlled Valves with integrated I/O
- Proportional Pressure Controllers



Fluid Control Valves

- Inline 2 & 3 way valves
- Cartridge and Manifold Style Valves
- High Pressure Valves
- Pinch Valves



Compressors & Vacuum Pumps

- Piston, Rocking Piston & Diaphragm Units
- Regenerative Blowers
- Quiet Compressors
- Air Motors



Air Preparation Equipment

- Filters, Regulators & Lubricators
- Coalescing Filters & Air Dryers
- Precision Regulators



Vacuum Systems & Components

- Venturi Style Vacuum Pumps
- Pressure & Vacuum Switches & Sensors
- Vacuum Cups
- Vacuum Lifters



Instrumentation Products

- Brass & Stainless Gyrolok Fittings
- Instrumentation Needle & Metering Valves
- Relief Valves & Check Valves
- Pressure Switches & Transducers
- Industrial & Process Gauges
- Temperature Sensors & Bi-Metal Thermometers
- Flow & Liquid Level Switches
- Ball Valves
- Chemical Grade & NSF Quick Couplers Vacuum Lifters



Pneumatic Accessories

- Push-In Fittings
- Flow Controls, Needle Valves & Relief Valves
- Brass Fittings
- Quick Disconnect Couplers
- Poly Tubing



Additional Brands: Barksdale, Hoke, Circle Seal, Anver, Vi-Cas, Foster, Vaccon

Framing, Structural Components

Industrial Framing

80/20 T-Slotted Profiles
80/20 Mounting Hardware & Accessories

Machine Guarding

80/20 Custom Guards
Pre-Configured Perimeter Guards

Device Mounting Hardware

HMI Mounts
Camera Mounts
Sensor Mounts



BALLUFF



Machine Safety

Safety PLC & Controls

Safety Networking
Safety Relays

Electrical Safety Devices

Light Curtains
Area Scanners
Safety Interlocks
Safety Mats & Bumpers
E-Stops & Rope Pulls

Pneumatic

Control Reliable Valves
Pneumatic Isolation Valves
Two Hand Anti-Tie Down Valves



BALLUFF



Custom Solution Providers

Many of our Manufacturers are great at providing customized Solutions for your application. If you don't see exactly what you need please let us explore your application with you. Some of our vendors that specialize in custom solutions include:



About Fiero Automation - A Hartfiel Automation Company

Established in 1984 in Colorado, Fiero Automation, began as Fiero Fluid Power a distributor of pneumatic and instrumentation components. Today as Fiero Automation, we are one of the largest suppliers of automation components in the mountain states. Our product offering and technical capabilities encompass a wide array of products including some of the latest technologies of robotics, vision systems, sensors, PLC controls and a variety of other critical automation components. Our growth continues today as we have joined the Hartfiel Automation team which now includes 9 offices covering all or part of 19 states.

Hartfiel Automation is fueled by the company's mission to Build a Stronger America by Strengthening American Manufacturing through innovative Automation Solutions. For more than 60 years, Hartfiel has been a specialized high-tech provider of pneumatics, motion and mobile control solutions. Hartfiel Automation has continued to diversify its service by adding product offerings in hydraulics, aluminum extrusions, robotics and automation solutions to better serve their customers and reach new areas of innovation.

As one company our combined team of over 250 employees includes application engineers, product specialists, technically trained territory managers and an outstanding customer service team. We are ready to help you with your automation needs.



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Pneumatic | Automation | Instrumentation