

Morrell Industrial
A Division of Womack Group



Factory Automation



Meet Morrell Industrial

Driven by a passion for innovative technology and conquering challenges, we develop solutions that keep our customers moving toward the future. From concept to completion, we provide exceptional customer service deeply rooted in our Commitment to Excellence. Our goal is to continue to grow our business with our customers and trusted vendor partners with the same quality and integrity we have had since 1976.

We keep things moving.

- 🌀 Solutions Based Engineering
- 🌀 Design Engineering for Hydraulics, Pneumatics, Lubrication, & Mechanical Solutions
- 🌀 Machine Control Design Experience
- 🌀 Hardware & Software Design
- 🌀 Concept & Process Engineering
- 🌀 System Integration Solutions
- 🌀 Subsystem Efficiency Solutions
- 🌀 Modification of Machines to U.S. Standards & Specifications
- 🌀 Quality Assurance According to ISO9001:2008 & AS9100:2016
- 🌀 Designs & Capabilities According to U.S. & European Standards NFPA, UL, CE

Elements of Success

Complete
Life-Cycle
Support



THINK



PLAN



DESIGN

E

Engineering Partner

Morrell Industrial functions as your partner, an extension of your engineering team. Rather than forcing you to adopt our business practices, we adopt to yours—seamlessly.

- Factory Trained Service Technicians
- Dedicated Product Management
- Maximum Stocking Levels
- Integrated Systems
- Application Engineering
- Custom Products & Solutions
- 3D Modeling & FEA Analysis
- Advanced Product Training
- Product & Machine Expertise
- Research & Development
- Product Launch Support
- Safety Reviews
- Prototyping

S

Systems Integrator

The innovative solutions we engineer support both new and old systems. Employing cutting edge technology, we optimize your machines, fine-tuning them for efficiency, reliability, and longevity.

- Service Technicians
- Application Assistance
- Committed Inventory Program
- Configured Assemblies
- Product Sizing & Selection
- Integrated Products
- Concept Engineering
- Training

V

Value-Added Distributor

More than a mere supplier, Morrell Industrial provides attractive solutions built on a foundation of quality components and competitive pricing.

- 24/7 Support
- Customer Service
- Inventory
- Product Kitting
- Product Support

**SOURCE****BUILD****TEST****INTEGRATE****SUPPORT****LEARN**

One Team. Infinite Solutions.

Womack Group unites the leading motion control solution providers Morrell Industrial, Stegner Controls, Womack Machine Supply, Womack Systems, Morrell Mobile, and LOR Mobile Controls.



Morrell Industrial provides integrated engineering solutions, expertise, and resources for automation, controls, pneumatic, electrical, hydraulic, dispensing, and lubrication applications.

- Established in 1978
- Expert engineering partner for system and subsystem integration
- Value-added distribution
- Initial concept and product to development and integration



Stegner Controls provides electrical and motion control solutions, from simple panel builds to fully integrating complex, turnkey systems.

- Established in 1948
- Complete life-cycle support for control system solutions
- Envision, plan, design, and source
- Build, test, integrate, and support



Womack provides hydraulic, pneumatic, and electromechanical solutions for mobile and industrial motion control and automation applications.

- Established in 1953
- Broad product offerings
- Full suite of value-added capabilities
- Engineering, service, repair, and training



Womack Systems provides competitive, value-added solutions by manufacturing custom systems for specific applications.

- Established in 1953
- Expert resources, capabilities, and competencies
- Schematics, layout drawings, and CAD drawings
- Designs for manufacturability and serviceability principles



Morrell Mobile provides technical expertise and resources to supply integrated solutions for actuation, optimization, propulsion, and electrification technologies for mobile/off-highway applications.

- Established in 1978
- Trusted engineering partner for system and subsystem integration
- Value-added distribution
- Conceptualization, production, installation, and support



LOR Mobile Controls is a leader in systems integration with the expertise to deliver advanced custom control solutions for mobile/off-highway applications.

- Established in 1991
- Reliable, scalable plug-and-play control system solutions
- Radio controls, relay logic, and complex CAN Bus systems
- SAE J1939-based controls and wireless data communication networks



Free Concept Engineering with the Motioneers

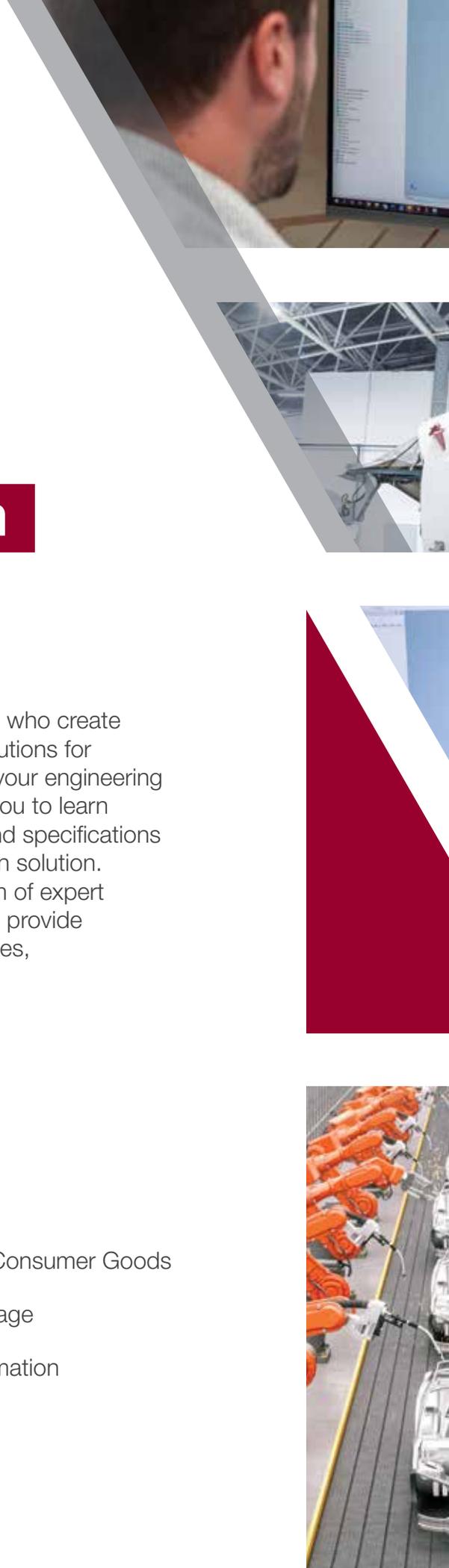
The Motioneers are a team of dedicated engineers who create custom conceptual engineering motion control solutions for industrial applications. Serving as an extension of your engineering team, the Motioneers collaboratively partner with you to learn and understand your application's requirements and specifications so they can create the most efficient system design solution. By partnering with the Motioneers, you gain a team of expert mechanical, electrical, and controls engineers who provide concept engineering solutions for many technologies, applications, and industries - at no additional cost.

Technologies

- ⌚ Dispensing
- ⌚ Hydraulics
- ⌚ Joining
- ⌚ Lubrication
- ⌚ Pneumatics
- ⌚ Sensing

Industries

- ⌚ Aerospace
- ⌚ Automotive
- ⌚ Defense
- ⌚ Fast-Moving Consumer Goods
- ⌚ Food & Beverage
- ⌚ General Automation





Aerospace



Dispensing



General Automation



Concept Engineering



Machine Tools



Robotic Assembly



General Automation



Bottling Lines



Mechanical &

Pneumatic Products

Morrell Industrial provides unparalleled performance in motion control applications dealing with high speed, accuracy, position synchronization, and high axis count.

- ☞ Actuators
- ☞ Air Preparation
- ☞ Ball & Roller Rail Systems
- ☞ Couplings
- ☞ Gear Boxes
- ☞ Electric Cylinders
- ☞ Linear Motion Systems
- ☞ Motion Controllers
- ☞ Pneumatic Systems
- ☞ Press Systems
- ☞ Rack & Pinion
- ☞ Screw Jacks



Electronics, Drives, & Controls Products

Morrell Industrial employs a flexible design concept for its controls systems. Designs range from small, compact, all-in-one servo-drive systems to large modular systems to panel free technology. These products provide exceptional diagnostic capabilities, including Industry 4.0 solutions. Our safety product offering is the broadest in the industry, and it includes free intuitive software.

- ⌚ Automatic Identification
- ⌚ Custom Cable Configurations
- ⌚ Machine Safety
- ⌚ Measurement Technology
- ⌚ PLCs & HMIs
- ⌚ Power Supply Distribution
- ⌚ Sensing Technology
- ⌚ Servo Drives & Controls





Coil Feed Lines



Custom Solutions



Machine Safety



Automotive Assembly



Aerospace Tooling



Machine Tools



Plastics Machines



Custom Power

Test Stands





Hydraulic Products

Units



Morrell Industrial builds and provides fluid power systems and solutions. Our in-house engineering and manufacturing teams can meet the needs that arise from any application. Our vendor partners, committed to product development and innovation, support us on the leading edge of hybrid systems.

- ⌚ Accumulators
- ⌚ Control Valves
- ⌚ Filtration & Accessories
- ⌚ Fluid Monitoring & Conditioning
- ⌚ Manifolds
- ⌚ Power Units
- ⌚ Proportional & Servo Control
- ⌚ Pumps & Motors



Process &

Lubrication Products

A proper fluid power system reduces energy usage, operating costs, and maintenance hours while improving operational lifetime. Morrell Industrial uses best-in-class components to provide flexible and reliable solutions. Our compact yet robust systems enable fast action and ultimate control.

- ☞ Assembly Lubrication
- ☞ Control Valves
- ☞ Filtration
- ☞ Gas & Emissions Analyzers
- ☞ Process Measurement Technology
- ☞ Process Pumps
- ☞ Single-Line Lubrication Systems
 - Parallel Systems
 - Series Progressive Systems





Steel Mills



Lubrication Systems



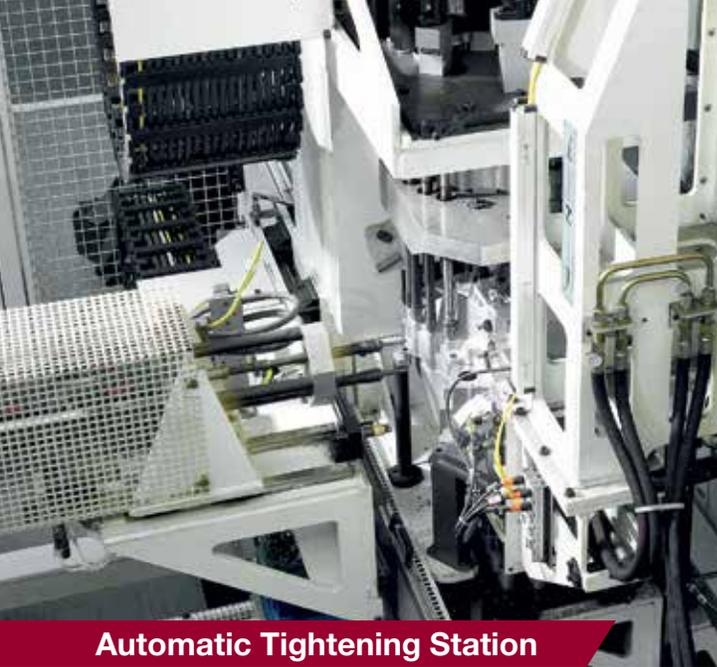
Process Systems



Renewable Energy



Water Treatment Facilities



Automatic Tightening Station



Safety Critical Assembly Tools



Welding



Press Fit



Dispensing Equipment





Joining Technologies

Morrell Industrial's innovative solutions simplify the challenges presented by the ongoing demand for flexible and automated joining technology. In addition to being safe and reliable, these solutions are supported throughout their lifetime.

- ⌚ Dispense Solutions
- ⌚ Handheld Assembly Tools
- ⌚ Intelligent Cordless Assembly Tools
- ⌚ Metering Packages
- ⌚ Pressing & Bonding
- ⌚ Safety Critical Assembly Tools
- ⌚ Spot Welding Solutions
- ⌚ Stationary Tightening Solutions





Integrated Solutions

Morrell Industrial's complete suite of services includes concept development, design, engineering, and build and test capabilities from a single source. To optimize solutions for your applications, we draw upon our experience in industry-leading control platforms, including Rexroth, Allen Bradley and Siemens. Quality is a priority at Morrell Industrial. That is why we are an AS9100, IS9001, and UL508A approved supplier.

- ☞ Aluminum Extrusion Systems
- ☞ Autonomous Mobile Robots (AMR)
- ☞ Control Panel Build
- ☞ Controls & Hardware Design
- ☞ Conveyors
- ☞ Prototyping
- ☞ Research & Development
- ☞ Software Design & Engineering
- ☞ Track & Trace Systems (RFID, Barcode)
- ☞ Vision Systems (2D, 3D)



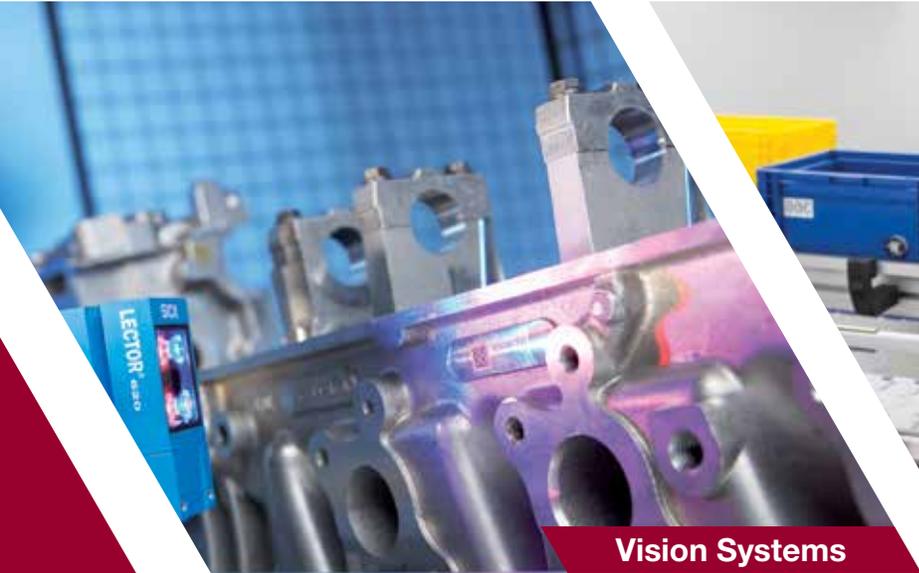
Machine Controls



Aluminum Extrusion Systems



Control Panels



Vision Systems



Conveyors



Software Engineering



Automation

Controls

HMI
PLC
Programming

Drives

Servo Drive Motors
Variable Frequency

Electronics

Auto Identification
Cables
Encoders
Gate Switches
I/O Link
Power Distribution
Safety
Sensors
Vision

Mechanical

Ball Screw

Ball Transfer Units

Cartesian Gantries

Couplings

Electric Cylinders

Linear Actuators

Linear Bearings

Linear Bushings & Shafts

Gearboxes

Gear Rack & Pinion

Screw Jacks

Pneumatics

Compressed Air Preparation

Connection Technology

Cylinder

Drives

Electro-Pneumatic Devices

Pressure Regulators

Safety

Sensors

Vacuum Technology

Valves & Valve Systems

Fluid Power

Accessories

Cartridges
Clamps
Flow Control

Accumulators

Bladder
Diaphragm
Piston

Cooling Systems

Cylinders

Mill Type
Tie Rod

Electronics

Coils
Controllers
Diagnostic Equipment Displays
Encoders
Sensors
Valve Amplifiers



Filters

Filters
Filtration Systems

Lubrication

Automatic Controllers
Automatic Grease & Oil Pumps
Flow Divider Valves
Grease & Oil Injectors

Manifolds

Motors

Axial Piston Motors
External Gear Motors
Radial Piston Motors
Vane Motors

Power Units

Pumps

Axial Piston Pumps
Gear Pumps
Radial Piston Pumps
Pump Assemblies
Vane Pumps

Joining

Metering Packages

Tightening Technology

Handheld Nutrunners
Interface Modules
Tightening Spindles

Welding Technology

Controllers
Fieldbus Connections
I/O Components
Mid-Frequency Transformers

Integration

Aluminum Extrusion Systems

Autonomous Mobile Robots (AMR)

Control Panel Build

Controls & Hardware Design

Conveyors

Aluminum Framing
ID Systems
Manual Production Systems

Prototyping

Research & Development

Software Design & Engineering

Track and Trace

1D & 2D Code Reading
Goods Receipt
Outgoing & Receiving Areas
Read & Write RFID Tags

Vision Systems

2D & 3D
Inspection
Measuring
Positioning
Reading



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Disclaimer

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