



**Industrial**

**Solutions**





**Core Values**

Accountability  
Balance in Work and Life  
Collaboration  
Commitment  
Community  
Employee Empowerment  
Integrity  
Respect

# Meet Morrell Group

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



A low-angle, upward-looking shot of a complex industrial machine, likely a multi-spindle lathe or a similar precision manufacturing tool. The machine features numerous vertical spindles and tool holders, all constructed from polished metal. The lighting is bright, creating strong highlights and shadows that emphasize the metallic textures and the intricate geometry of the machine's components. The perspective gives a sense of height and scale, showcasing the complexity of the industrial environment.

# **Our Elements of Success**

**Complete  
Life-Cycle  
Support**



**THINK**



**PLAN**



**DESIGN**

# E

## Engineering Partner

Morrell Group 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 Group 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**



# Meet Morrell Group

Morrell Inc. began as a trusted resource for premier components, and over the last four decades evolved into the Morrell Group, an Engineering Partner, Systems Integrator and Value-Added Distributor (ESV).

As the world's first ESV, we provide our customers with highly engineered solutions for motion control tasks. By leveraging our group members' diverse industry experience and product knowledge, we engineer technically superior solutions with sustainable value.

**Where**

**Intelligence**

**Drives**

**Innovation**

**morrell**

A trusted resource for the design, build, installation, and maintenance of electrical, hydraulic, pneumatic and lubrication systems built solidly on these components.

- Priority access to industry leading components
- Unparalleled experience in component application
- Industry leading system and subsystem development





## stegner<sup>®</sup> controls

A world-class provider of solutions for electrical and motion control systems – from simple panel builds to the full integration of complex, turnkey systems.

- Tremendous experience in more than 80 critical capabilities
- Complete life-cycle support - niche to total solutions

## stegner<sup>®</sup> aerospace

A focused business unit to handle the automation of tools used in the manufacturing and assembly of commercial and military aircraft, rockets and satellites.

- Simplify flexible automated tooling
- Value-added concept engineering processes

## morrell<sup>®</sup> defense

A focused business unit structured to provide the breadth and depth of Morrell Group's design, engineering, prototyping, manufacturing, sourcing and procurement capabilities on military vehicles.

- System integration solutions
- Subsystem efficiency solutions
- Space and weight reduction
- COTS Technical Readiness for Military Levels 1-5 and 6-10

# Innovation that

# Keeps You Moving



Morrell Group is dedicated to and equipped for keeping your systems moving throughout the Industrial 4.0 revolution. We align the needs of your organization to engineer flexible, fully-connected solutions so you can proactively adapt to the market's ever-shifting demands.



**NOW**

- Linear, sequential operations
- Largely manually controlled production
- Limited scope of data collected

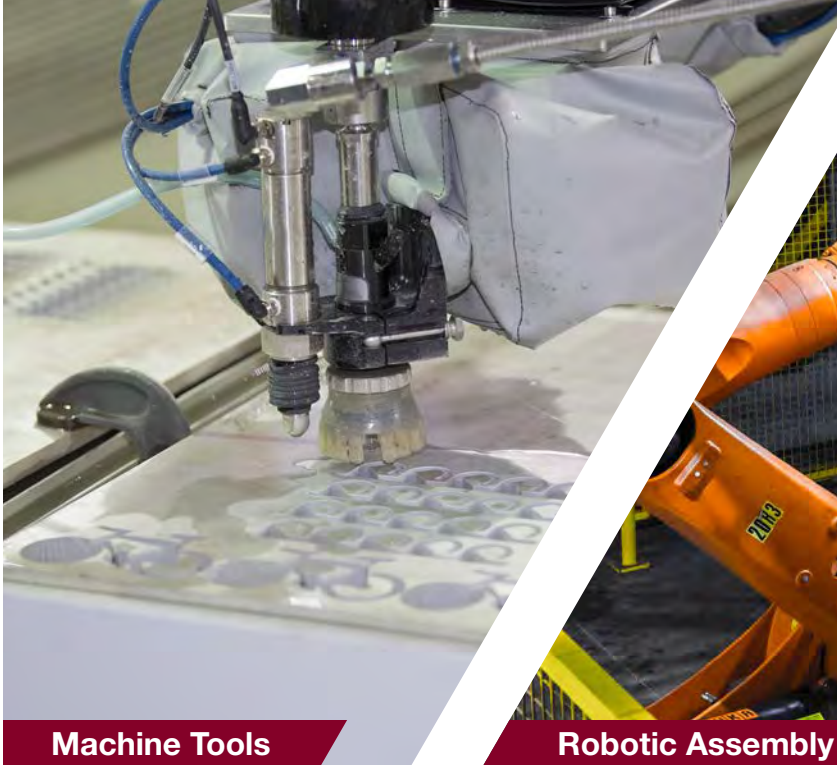
**NEXT**

- Union of the digital & physical worlds
- Real-time data visualizations
- Digital supply networks drive production & distribution

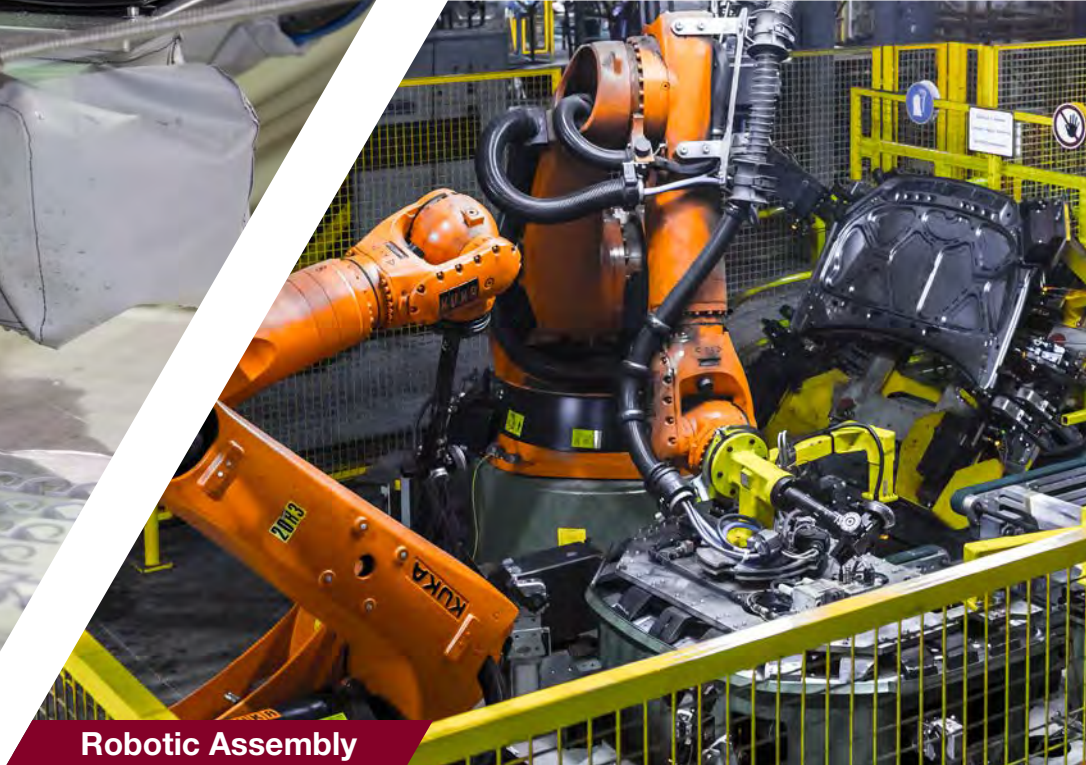
**BEYOND**

- Ongoing evolution of factory modernization
- Production carried out with minimal intervention
- Seamless networking across plant operations, field devices, controls & supply chain networks





**Machine Tools**



**Robotic Assembly**



**General Automation**



**Bottling Lines**





## Mechanical &



## Pneumatic Products

Morrell Group 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 Group 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**

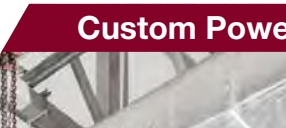




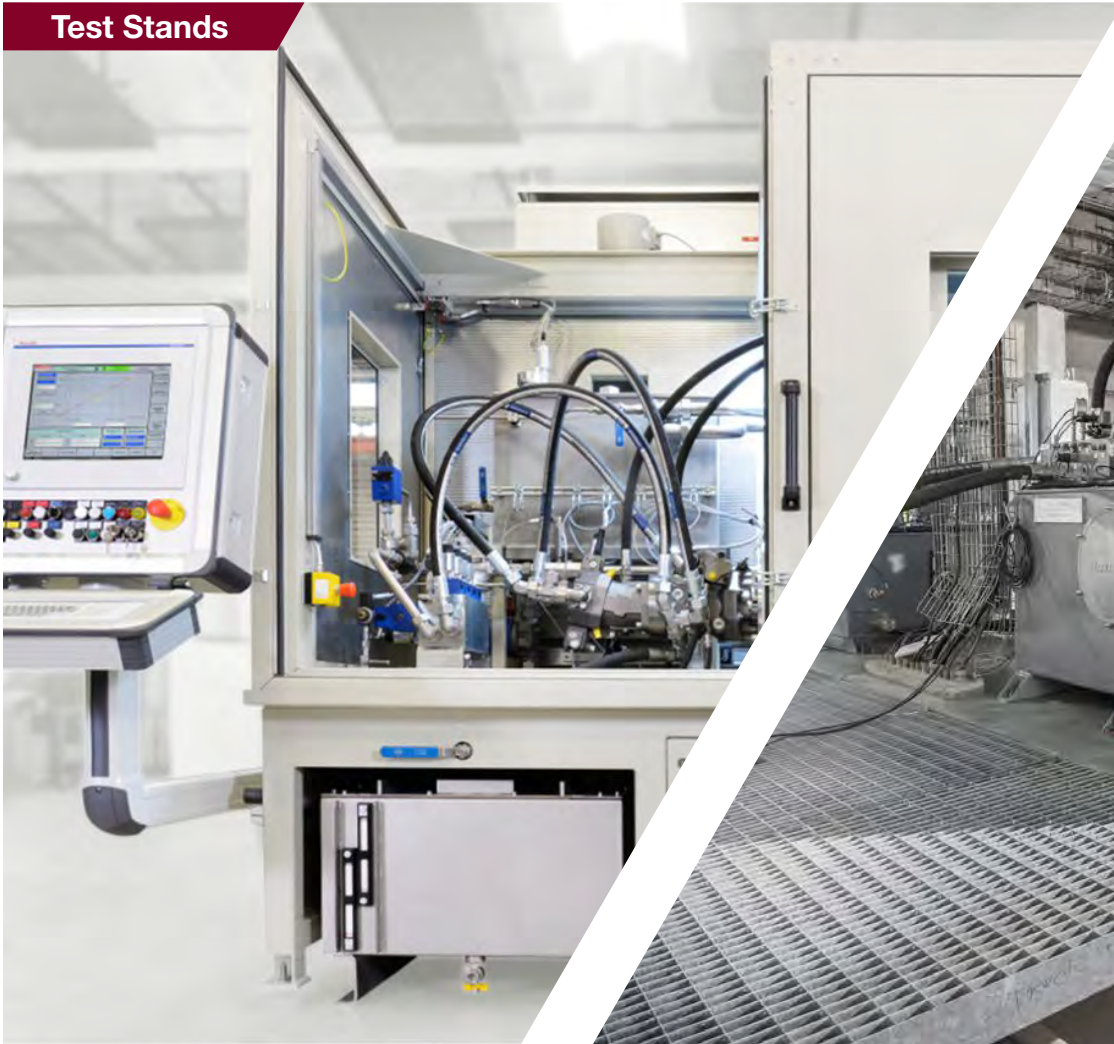
**Machine Tools**



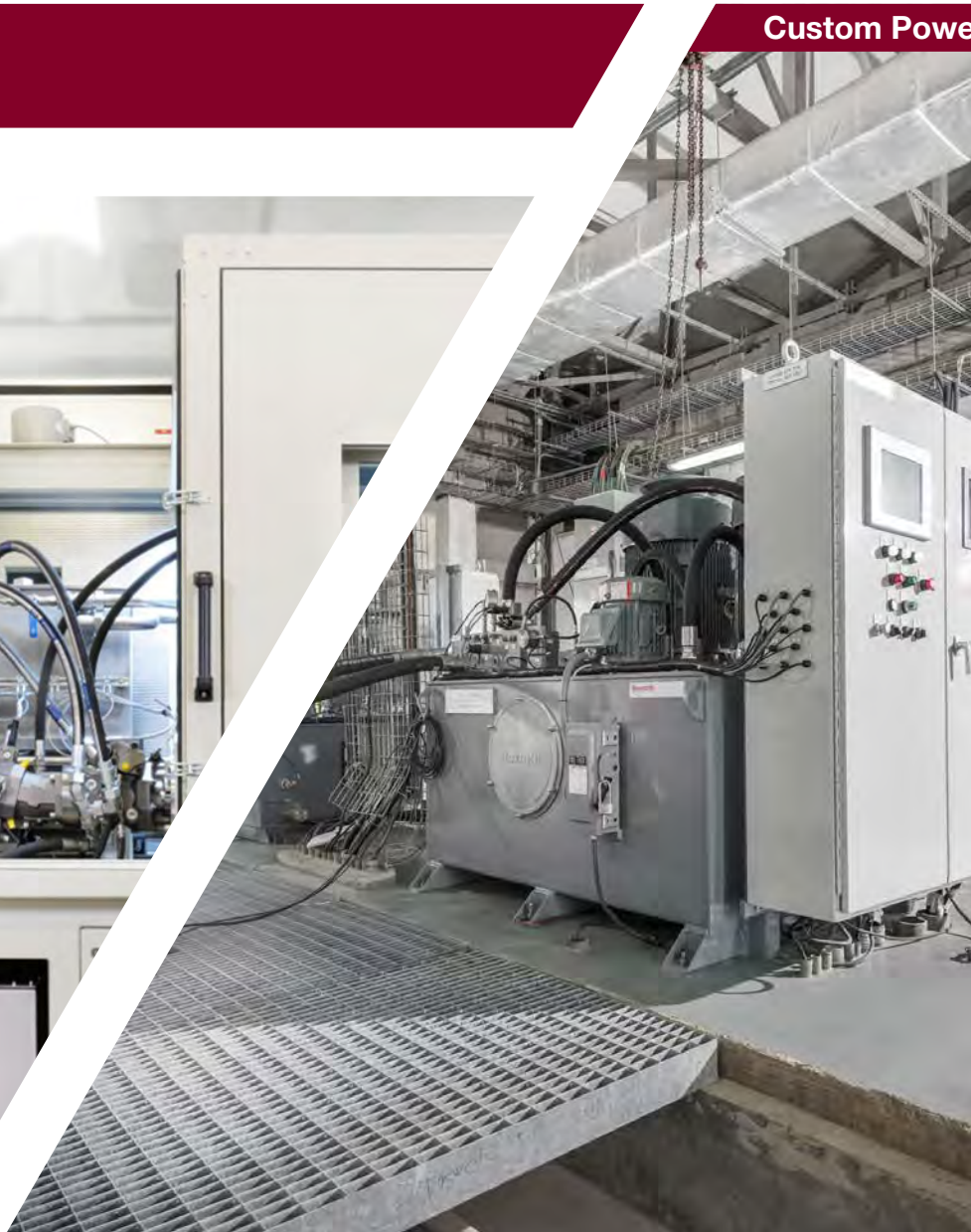
**Plastics Machines**



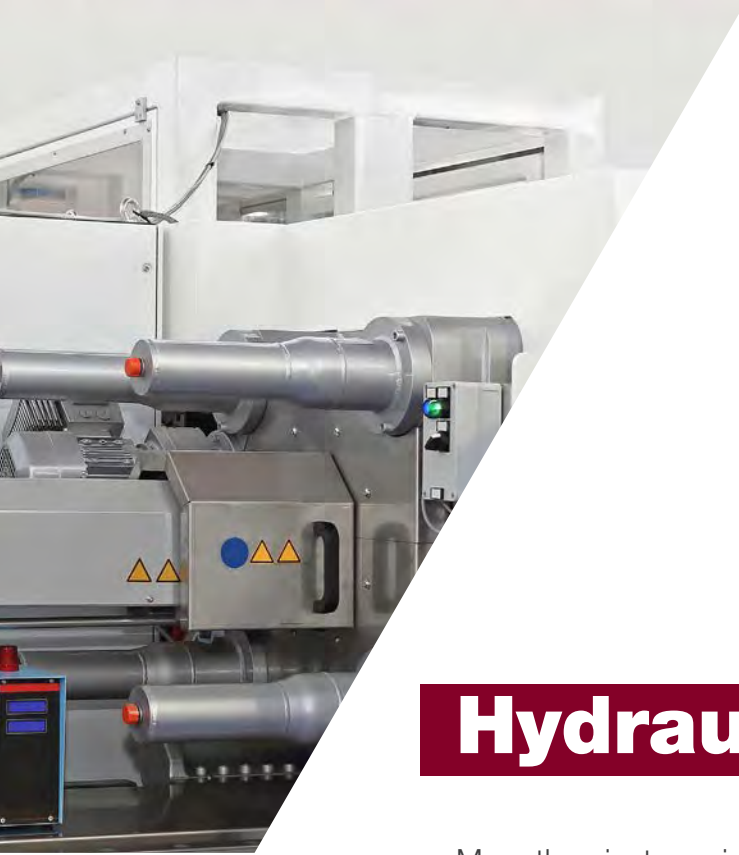
**Custom Power**



**Test Stands**







# Hydraulic Products

More than just providing fluid power systems, Morrell Group builds solutions, too. 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

## Power Units



A close-up photograph of a large industrial ladle pouring bright orange molten metal into a mold. The scene is set in a dark industrial environment with some structural elements visible in the background.

## Process &

## Lubrication Products

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

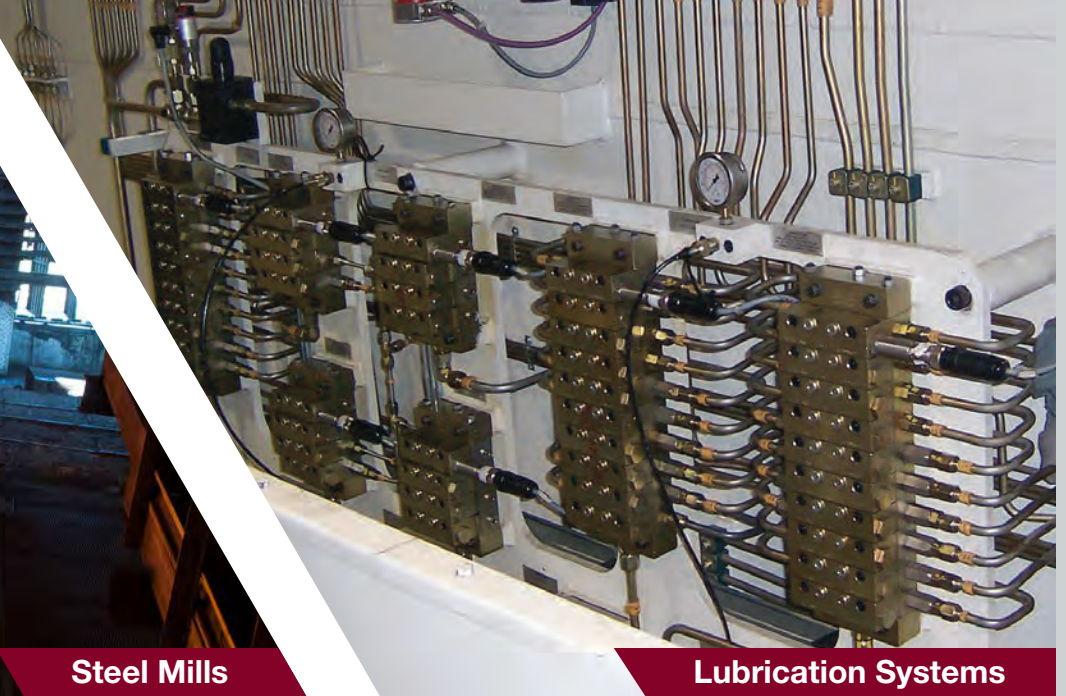
- ⌚ Assembly Lubrication
- ⌚ Control Valves
- ⌚ Filtration
- ⌚ Gas & Emissions Analyzers
- ⌚ Process Measurement Technology
- ⌚ Process Pumps
- ⌚ Single-Line Lubrication Systems
  - Parallel Systems
  - Series Progressive Systems







**Steel Mills**



**Lubrication Systems**



**Renewable Energy**



**Process Systems**



**Water Treatment Facilities**





**Automatic Tightening Station**

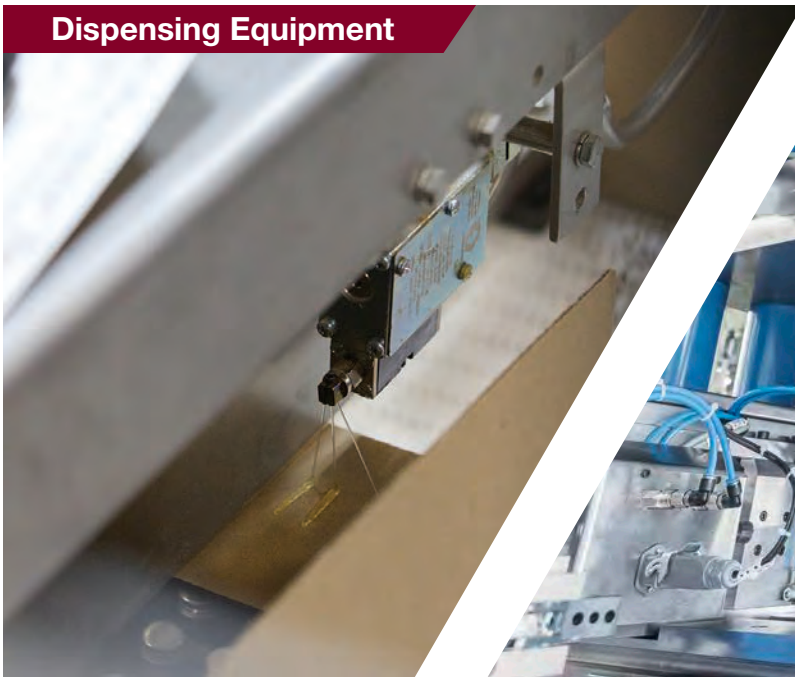


**Safety Critical Assembly Tools**



**Welding**

**Press Fit**



**Dispensing Equipment**







# Joining Technologies

Morrell Group's innovative solutions simplify the challenges presented by the changing 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



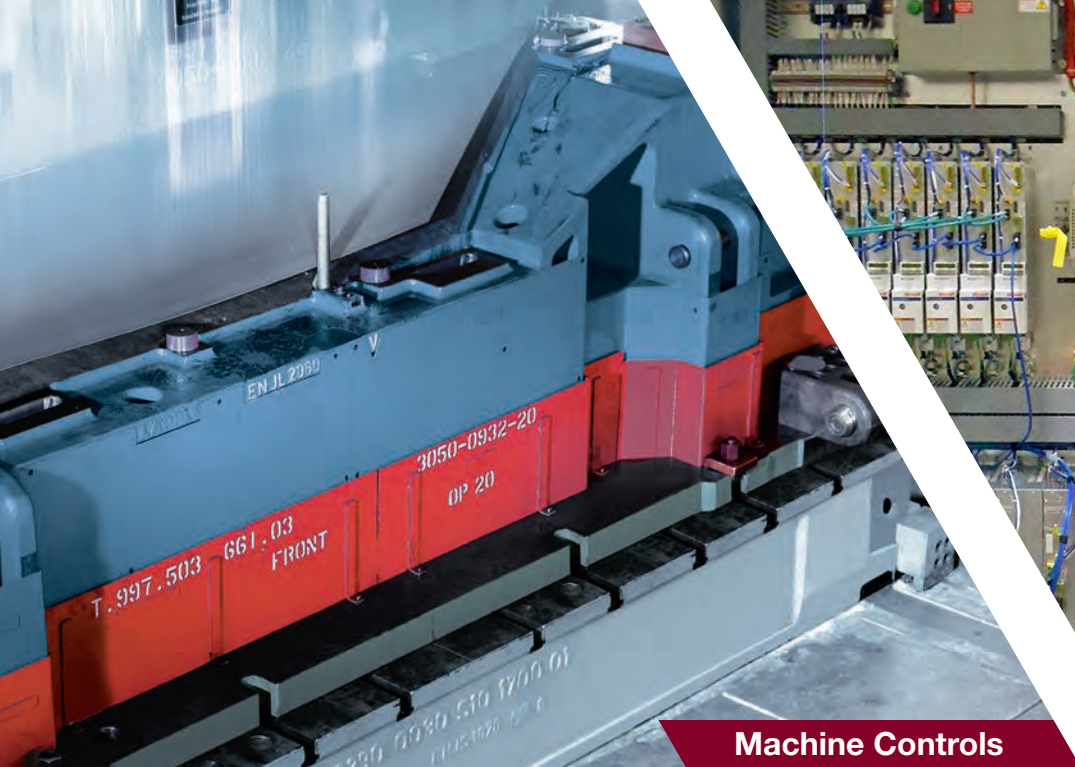




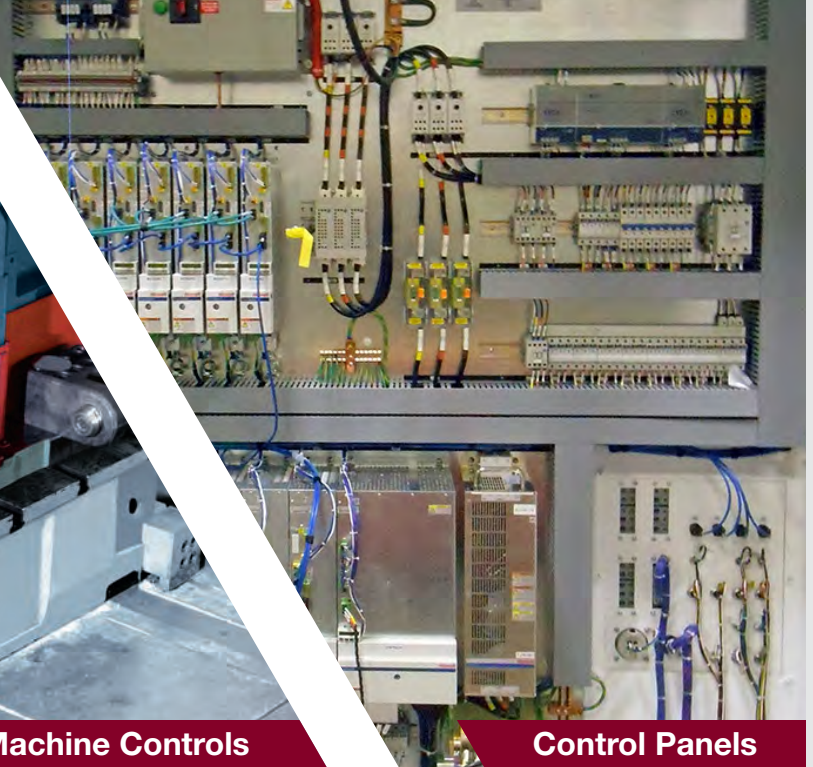
# Integrated Solutions

Morrell Group'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 #1 at Morrell Group! That is why we are an AS9100, IS9001 and UL508A approved supplier.

- ↻ Control Panel Build
- ↻ Controls & Hardware Design
- ↻ Conveyors
- ↻ Prototyping
- ↻ Research & Development
- ↻ Software Design & Engineering
- ↻ Track & Trace Systems (RFID, Barcode)
- ↻ Vision Systems (2D, 3D)



**Machine Controls**



**Control Panels**



**Vision Systems**



**Conveyors**



**Software Engineering**



<b>E</b> Engineering Partner	<b>S</b> Systems Integrator	<b>V</b> Value-Added Distributor
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**rexroth**  
A Bosch Company

**HYDAC**

**SICK**  
Sensor Intelligence.

**EMERSON** | **AVENTICS**

**GRACO**

**DOPAG**

<b>S</b> Systems Integrator	<b>V</b> Value-Added Distributor
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**APEX DYNAMICS, USA**

**Cone Drive**

**EUCHNER**

**EXLAR**

**JOYCE**

**LEANTECHNIK**

<b>V</b> Value-Added Distributor
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**ATLANTA**

**Daman**  
DRIVING EXCEPTIONAL PERFORMANCE

**GAM**

**Hanna**  
cylinders

Made for Motion **KTR**

**IMMAGINE**

**MURR**  
ELEKTRONIK  
stay connected

**nexen**

**R+W**  
A. PORPE + POTTHOFF COMPANY

**RTi**

**WIKAL**  
Part of your business



## 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 Gantry  
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

### Cables

### Control Panels

### Conveyors

Aluminum Framing  
ID Systems  
Manual Production Systems

### Track and Trace

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

### Vision Systems

2D & 3D  
Inspection  
Measuring  
Positioning  
Reading





**Moving the**

**Midwest**

**MICHIGAN**

**Auburn Hills**  
248-373-1600

**Grand Rapids**  
616-583-9390

**INDIANA**

**Indianapolis**  
317-849-7007

**Fort Wayne**  
260-483-7070

**ILLINOIS**

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**Disclaimer**

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