



Mobile

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

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

Complete Life-Cycle Support



THINK



PLAN



DESIGN



SOURCE



BUILD

Our Elements of Success



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^{•••••} 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^{•••••} 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^{•••••} 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



End users and machine manufacturers increasingly demand mobile working machines that are more productive, safe, flexible, and energy efficient. Morrell Group is equipped to support those machines throughout and beyond the Industry 4.0 revolution.



NOW

- Diesel Vehicles
- Require Skilled Drivers
- Entirely Manual Processes

NEXT

- Diesel Vehicles
- Semi-Manual Processes
- Controlled On-Site

BEYOND

- Electric Vehicles
- Autonomous Vehicles
- Controlled via Cloud Computing



Propulsion Solutions

For your propulsion needs, Morrell Group calculates gradeability, traction control, speed, and torque performance to design optimized systems – always with full engineering performance design and safety in mind. All of our system solutions undergo stringent safety protocols to ensure your machines move safely.

- ⌚ Bent Axis Motors
- ⌚ Foot Pedals
- ⌚ Gear Boxes
- ⌚ Joysticks
- ⌚ Fixed Displacement Motors
 - Axial
 - Gear
 - Piston
- ⌚ Variable Displacement Motors
 - Axial
 - Gear
 - Piston



Street Sweepers



Directional Drills



Sprayers

Tracked Vehicles



Harvesters





Mobile Screens



Fork Lifts



Combine Harvesters



Mobile Cranes



Propulsion Solutions

Our propulsion solutions support 2- and 4-wheel drive coordination and anti-slip traction control in any condition, which help us meet end-user demands for reproducible and smooth driving behavior with and without load. We can also accomplish horsepower limiting and support off-road cruise control with our reliable components and turnkey solutions.

- ⌚ Priority Flow Control Valves
- ⌚ Fixed Displacement Pumps
 - Axial
 - Gear
 - Piston
- ⌚ Variable Displacement Pumps
 - Axial
 - Gear
 - Piston
- ⌚ Steering Orbitals



Actuation Solutions

Actuation solutions from Morrell Group help you meet the challenges of today's markets as you gain access and control over the power, safety, and efficiency of your mobile machines. Rely on our tools for configuring custom, standard, and combination valve packages and achieving accurate repeatability of automatic and control functions.

- ⌚ Control Valves
 - Integrated Cartridge Valves
 - On/Off Valves
 - Proportional Valves
 - Sectional Control Valves
 - Stacked Valves
- ⌚ Manifold Assemblies
 - Bankable
 - Custom
- ⌚ Pneumatic Valves
 - Electric
 - Fieldbus
 - Manual



Aerial Lifts



Rail Maintenance



Asphalt Distributors



Mobile Drilling



Street Sweepers



Material Handling



Defense



Agriculture



Vacuum Trucks



Actuation Solutions

Let Morrell Group's advanced technology and cutting-edge engineering solutions improve the efficiency, versatility, and performance of your next-generation machines. By coordinating components to meet optimum standards, our systems improve handling and increase precision in daily operations.

- ☞ Compact Power Units
- ☞ Cylinders
 - Electric
 - Hydraulic
 - Pneumatic
- ☞ Motors
 - Fixed Displacement
 - Low Speed High Torque
 - Variable Displacement
- ☞ Slew Drives
- ☞ Swing Drives
- ☞ Winch Drives

Optimization Solutions

Save time and money as our optimized solutions help to increase your system's longevity, prevent damage, and reduce downtime. Morrell Group adjusts to ever-changing industry standards and provides optimal solutions no matter your need – driving or working, hydraulic, hybrid or fully electric – including Tier IV and Tier V emission regulations.

- ↻ Accumulators
- ↻ Cooling Systems
- ↻ Diesel Fuel Filtration
- ↻ Engine Flywheel Couplings
- ↻ Fan Drive Packages
- ↻ Filtration
- ↻ Fluid Care
- ↻ Lubrication
- ↻ Mounting Accessories
- ↻ Reservoir Optimization





Wood Chippers

Excavators



Mobile Cranes



Harvesters





Displays



Controls



Controls



Sensors



Electrification Solutions

Our electric, electronic, and digitally networked solutions offer innovative and comprehensive monitoring, service, and control concepts to help satisfy your constant and growing demands for operational availability, reduction in downtime, and detailed load and service management. Morrell Group can help you create your next generation of mobile machines with performances that give you access to increased power, safety, efficiency and intelligence.

- ⌚ Controllers
- ⌚ Diagnostics
- ⌚ Displays
- ⌚ Electric Cylinders
- ⌚ Electric Drive Packages
- ⌚ Foot Pedals
- ⌚ Joysticks
- ⌚ Sensors
- ⌚ Telematics
- ⌚ Vision Systems

E
Engineering
Partner

S
Systems
Integrator

V
Value-Added
Distributor

rexroth
A Bosch Company

HYDAC

SICK
Sensor Intelligence.

EMERSON | **AVENTICS**

GRACO

DOPAG

S
Systems
Integrator

V
Value-Added
Distributor

APEX DYNAMICS, USA

AuburnGear

Cone Drive

M+S HYDRAULIC

MARZOCCHI PUMPS USA
HIGH PRESSURE GEAR PUMPS

V
Value-Added
Distributor

Daiman
DRIVING EXCEPTIONAL PERFORMANCE

Hanna
cylinders

Made for Motion **KTR**

Amalgam

Mid-State
"FLUID TRANSFER PRODUCTS"

MURR
ELEKTRONIK
stay connected

nexxen.

R+W
A PLEASURE IN GETTING TOGETHER

WIKAL
Part of your business

Propulsion

Bent Axis Motors

Foot Pedals

Gear Boxes

Joysticks

Fixed Displacement Motors

Axial

Gear

Piston

Variable Displacement Motors

Axial

Gear

Piston

Priority Flow Control Valves

Fixed Displacement Pumps

Axial

Gear

Piston

Variable Displacement Pumps

Axial

Gear

Piston

Steering Orbitals

Actuation

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Proportional Valves

Sectional Control Valves

Stacked Valves

Cylinders

Electric

Hydraulic

Pneumatic

Manifold Assemblies

Bankable

Custom

Motors

Fixed Displacement

Variable Displacement

Low Speed High Torque

Pneumatic Valves

Canbus

Electric

Manual

Slew Drives

Swing Drives

Winch Drives

Optimization

Accumulators

Diaphragm

Piston

Cooler Systems

Engine Combi Coolers

Heat Exchangers

Hydraulic

Diesel Fuel Filtration

Engine Flywheel Couplings

Fan Drive Packages

Electric

Engine Driven

Hydraulic

Filtration

Breather

Inline

Pressure

Return Line

Suction

Tank Mounted

Fluid Care

Lubrication

Automatic

Manual

Mounting Accessories

Reservoir Optimization

Electrification

Controllers

HMI's

Diagnostics

Displays

Electric Cylinders

Electric Drive Packages

Foot Pedals

Joysticks

Electronic

Hydraulic

Sensors

Angle

Distance

Flow

Position

Pressure

Proximity

Safety

Speed

Temperature

Telematics

Fleet Management

Vision Systems

3D

Collision Avoidance





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
Glendale Heights
630-858-4600

morrell-group.com

OHIO
Toledo
419-891-1000

info@morrellinc.com

Canada
Windsor
519-944-3877

Disclaimer

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