

# CRANE & HOIST

BUILDING THE WORLD'S BEST  
MOTORS FOR OVER 85 YEARS



**REULAND**  
ELECTRIC MOTOR COMPANY

MADE IN THE USA 



# CRANE & HOIST MOTOR APPLICATIONS

## BRIDGE / GANTRY / JIB CRANES, AND MONORAIL HOISTS

These systems use electric motors to lift and position loads with precision and reliability. They handle heavy materials in shipyards and steel plants as well as lighter lifts in workshops and production lines, delivering safe and efficient performance.

## MORE APPLICATIONS

- Main and Auxiliary Hoists
- Trolley and Travel Drives
- Deck Cranes, Container Handlers, and Bulk Material Movers

## DESIGN ADVANTAGES

### ► 2000:1 INVERTER-RATED SPEED

Precise, full-torque control from zero to maximum speed for ultimate performance

### ► CLASS H INSULATION

For high-temperature endurance and proven thermal protection

### ► OVERSIZED BEARINGS & SHAFTS

Manage higher radial and axial loads for excellent performance and reliability.

### ► DYNAMIC BALANCING

Reduces vibration for smoother, quieter motor operation

### ► COOLING OPTIONS

Available in TENV, TEFC, and blower-cooled designs to match your application needs

### ► CUSTOM MOUNTING

Choose from foot, footless, bracket, C/D flange, or Metric DIN flange designs

### ► RESPONSIVE CONTROL

Provides instant, precise motor adjustments for smooth operation under changing loads.

## SS-100 ( SUPER SERIES 100 ) INVERTER/VECTOR DUTY MOTOR



- Optimized for VFD compatibility with wide speed range control; 2000:1 speed range
- Reinforced rotor construction for high torque cycling
- Enhanced insulation and bearing protection for inverter-driven systems
- Available with encoder provisions for position and feedback control
- Compact frame design for space-constrained installations
- Ideal for modernization & OEM applications requiring quiet, smooth motion

## DROP-IN REPLACEMENTS

- Save on Installation Costs
- Fits Existing Equipment—No Redesign Needed
- No Extra Fabrication Required (bases, riser blocks, couplings, etc.)

### EASILY REPLACE LEGACY MOTORS

• Yale Hoist	• Robbins & Myers
• ACCO Wright	• Detroit Hoist
• Dresser Industries	• Shaw-Box
• P&H Harnischfeger	• and more
• Lift-Tech	



### OPTIONS FOR

Pre U-Frame • U-Frame • T-Frame

### MODERNIZATION PROJECTS

- Wound Rotor Motor
- DC to AC conversions
- Pre U-Frame
- U-Frame to same frame
- Inverter/Vector Duty

### REVERSE ENGINEERING

No original plans? Reuland can reverse engineer your motor and provide a seamless replacement that keeps you up and running.

### CUSTOM CONFIGURATIONS

When an existing configuration cannot be matched, Reuland supplies custom transition bases for a perfect fit.

**QUESTIONS?** Contact us today at 1(888) 964-6411 or [sales@reuland.com](mailto:sales@reuland.com).

Learn more about our products and capabilities on our website: [www.reuland.com](http://www.reuland.com).

# CUSTOM MOTORS MADE IN THE USA



## BRAKE MOTOR



**Designs:** Direct-acting magnetic disk, heavy-duty brake lining, spline hub, spring-set operation, and magnetically released

**Braking Capacity:** Ranges from 1.5 to 1000 ft-lb

**Horsepower:** Fractional through 300hp (based upon motor enclosure)

**Enclosures:** TEFC, TENV, ODP

**Duty Types:** Intermittent and continuous duty configurations

**Speed Variants:** Single-speed, multi-speed, or variable-speed inverter-duty designs

## MAGNETIC DISC BRAKES



**Mounting:** Dependent upon model, designed to mount to standard NEMA C-Face and shaft or for direct mounting to REULAND® motors only

**Direct Acting Magnetic Disc Brake:** One moving part

**Spring Set Electrically Released:** Furnished with external manual release

**Torque Range:** 1.5 Ft-Lb to 500 Ft-Lb

**Voltages:** AC Standard, 3-Phase Single or Dual Voltage; DC Voltage available on some models

**Adjustable or Non-Adjustable Torque** dependent upon model

**Enclosures:** Standard, Dust-Tight, Water-Proof (DTWP) or

Marine Duty

## GEAR MOTORS



**Gear Motor Types:** Right-angle worm, helical-right-angle, helical-bevel, parallel/concentric, and versa-drive

**Design Types:** AC Induction, Design B/C/D; available in Single/Multi-Speed, Variable Speed, Wound Rotor, Permanent Magnet, Synchronous Reluctance formats

**Brake:** Direct-acting magnetic disk with heavy-duty lining, spline hub, spring-set operation, and magnetically released



**Ask us about our Nuclear and Military (MIL-SPEC) motor designs**

Built to meet the toughest standards where failure is not an option.



VERTICAL OPERATIONS

85+

YEARS IN BUSINESS

24,000+

CUSTOMERS

21

PATENTS

Our products are ISO 9001 : 2015 certified.

 **REULAND**  
ELECTRIC MOTOR COMPANY



## WINDING & ASSEMBLY

LA VERNE, CA

La Verne is our headquarters and motor manufacturing facility in the U.S. and focuses on winding technology and precision assembly of our electric motors. A complete test lab ensures all motors are exceeding performance requirements and are of the highest quality when received by the customer. Our winding and assembly team is supported by our electrical, mechanical and applications engineers.



## ALUMINUM CASTINGS

CITY OF INDUSTRY, CA

Our City of Industry manufacturing facility includes a complete aluminum green sand foundry where we produce castings for electric motors, including frames, end bells, and many other components. Our casting capabilities include pattern design, prototyping, permanent mold, and no-bake sand casting... everything needed to house and protect our electric motors.



## CNC MACHINING

BREA, CA

Our location in Brea specializes in CNC machining for all components of our motors including precision shafts, frames, end bells, terminal boxes, and other components. We can produce any motor component on demand allowing for faster motor builds and delivery.



## MOTOR & BRAKE MANUFACTURING

HOWELL, MI

Howell is our primary facility in the U.S. and is the central hub for a wide range of critical operations. This facility encompasses lamination and motor core production, rotor die casting, motor winding, and complete motor assembly and testing. Additionally, this facility produces all magnetic brakes and fluid couplings, and is the headquarters for new product development and engineering.



MANUFACTURED  
IN-HOUSE



Your electric motor experts. Contact us today.

📞 1(888) 964-6411 📩 sales@reuland.com

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**Motor Manufacturing  
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Engineering**

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#### MICHIGAN

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