



servosolutions

“OUR NAME DEFINES OUR SERVICE”

Specialists in the repair of AC/DC servo motors and servo-driven actuators.

ACCURACY

PRECISION

SPEED

RELIABILITY

ABOUT US

At **Servo Solutions, Inc.**, we understand that production needs require accuracy, precision speed, and reliability.

Servo Solutions is an agile servo motor repair service in Westmont, Illinois, supporting the industrial automation aftermarket since 2001. We specialize in the repair of high-tech servo motors and servo-driven actuators.

With over 50 years of experience in electrical manufacturing and repair, our staff is ready to solve your servo motor problems and minimize downtime.

We offer a complete range of engineered solutions using every resource available with the highest degree of service.

Servo Solutions, Inc. offers a 1-year warranty on all repairs, including parts and labor.

Our services include:

- AC/DC servo motor repair
- Servo-driven linear actuator repair
- Spindle motor repair
- Gearbox repair
- AC/DC motor repair
- Servo drive, amplifier & power supply repair
- Washdown motor protection

MECHANICAL AND ELECTRICAL INSPECTIONS

- Complete electrical and mechanical evaluation
- Failure analysis
- Surge comparison and micro ohm resistance testing of motor windings
- Digital bore gauges with accuracy of 50 microns
- Component reconditioning and/or replacement as required
- Full recondition with final testing to OEM standards

SERVO LINEAR ACTUATOR REPAIR

- Repair of motor-driven actuator systems: ball screw, lead screw, belt and roller screw driven mechanisms
- Allen Bradley, Curtiss-Wright Exlar®



FEEDBACK ALIGNMENT, TESTING AND ENCODER REPAIR

- Encoder testing with manufacturer-specific feedback testing equipment
- Analysis of encoder signals including sine and square wave, absolute, serial, EnDat, SSI, TTL and HTL
- In house bearing replacement, code wheel cleaning and phasing adjustment repairs

PRECISION MACHINING

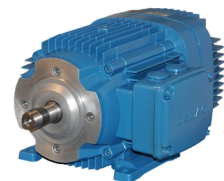
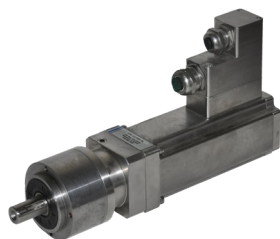
- CNC milling
- Small order fabrication
- Obsolete part fabrication
- OEM part re-design, replacement fabrication and repair
- Surface grinding
- Magnetic rotor and shaft replacement
- Stainless steel seal surface replacement
- Endbell housing repair
- Digital bore gauges with accuracy of 50 microns
- Finite element analysis software for mechanical design, magnetic design, and verification

MAGNET TESTING AND REPAIR

- Magnet replacement and re-magnetizing
- Kevlar banding
- One-of-a-kind non-magnetic fixture for balancing magnetic rotors
- Custom built high power magnetizer for de-mag/re-magnetization of rare Earth materials

SERVO BRAKE REPAIR

- Friction material, spline replacement, disc plate resurfacing and manufacturing
- Coil winding and magnet replacement
- Permanent magnet and spring-type brake repair
- Refurbished to meet or exceed torque ratings of OEM specifications



SALES AND SERVICE

Servo and Spindle Motors

- ABB
- Allen Bradley
- Baldor
- Baumuller
- Bosch Rexroth
- BR Automation
- CMC
- Custom Servo Motor
- Control Techniques
- Electrocraft
- Emerson
- Exlar®
- Fanuc
- Gettys
- Glentek
- Indramat
- Inland
- KEB
- Kollmorgen
- Lenze
- Mitsubishi
- Moog
- MTS
- Nachi
- Pacific Scientific
- Parker
- Perske
- Powertec
- Reliance
- Rexroth Indramat
- Sanyo Denki
- SEM
- SEW
- Siemens
- Toshiba
- Yaskawa
- Plus many more!

Linear Actuators

- Exlar®
- Allen Bradley

Motors Gearmotors and Gearboxes

- Baldor
- Elektrim
- Lafert
- Lincoln
- SEW-Eurodrive
- Sterling
- Sumitomo
- WEG

Encoder Sales and Service

- Accu-coder
- BEI
- Fanuc
- Heidenhain
- Mitsubishi
- Renco
- Stegmann
- Tamagawa
- Yaskawa
- Plus many more!



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