

Expert Machine Tool Motor Services



Driven:

- To Improve Reliability
- To Increase Uptime
- To Save You Energy



• 24-Hour Emergency Service • Quick Turnaround • Quality Workmanship



Experienced Machine Tool Motor Expertise

Uptime Drives Productivity.

In the fast-paced world of the machine tool industry, there is one thing everyone fears — downtime. And when your machine is down because of a bad motor, you don't want to spend time searching for a repair facility that you hope will get you back up again. Choose the one with a long reputation of successful service to the machine tool industry: Dreisilker.



For decades, the Dreisilker team of technicians and service representatives has assisted thousands of customers in returning the AC and DC motors of their CNC machines back to original (and often better than original) condition—quickly and accurately. Our close ties to motor manufacturers and machine builders like **Mitsubishi, Mazak, Yaskawa, Franz Kessler, Fuji, Fanuc, Siemens and others**, enable us to provide our clients factory-authorized expertise.



Rotating assemblies are two-plane dynamically balanced on computerized balancing machines by our technicians.



Motor-Safe™ Repair For The Machine Tool Industry Servo & Spindle Specialists

When your industrial application requires continuous duty machine tool CNC production, having a reliable, round-the-clock operation is not an option. Your critical CNC must be running reliably without fail. So why risk your system's success on unforeseen downtime due to a faulty motor?

When even the best machine tool motor reaches the end of its duty life, it can either be replaced with a new one at great expense, or it can be properly repaired by a reputable shop, able to rebuild it to OEM specifications or better.

Increased Uptime

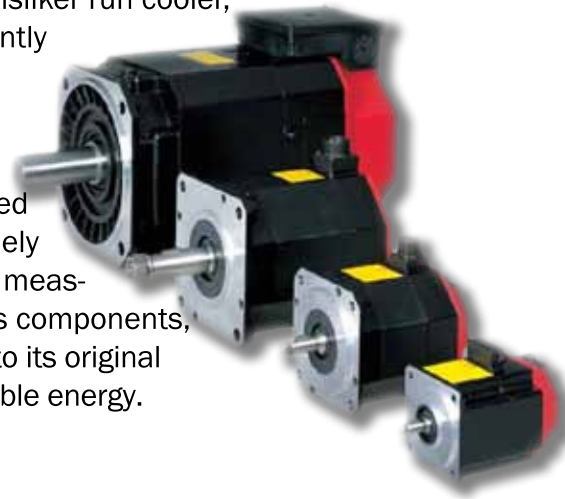
For several decades, Dreisilker has been rebuilding servo and spindle motors for machine tool customers in a wide range of industries, such as aviation, large equipment manufacturing, precision tooling, and many others. These industries demand reliability.

Improved Reliability

The key ingredient in motors rebuilt by Dreisilker is our trademark **Motor-Safe™ Repair** methods. By avoiding the destructive effects of “burnout oven” stripping techniques used by other shops, the servo and spindle motors repaired by Dreisilker run cooler, more efficiently and with a significantly longer duty-life.

Reduced Energy Costs

There are even more benefits from servo & spindle motors repaired with the **Motor-Safe™** method: namely reduced energy consumption. With measurable improvements to the motor's components, the finished motor performs again to its original specifications without wasting valuable energy.





Precision: Motor Benefits Are Measurable



All spindle motors are tested on our spindle drives at full load rpm, enabling our technicians to analyze motor vibration and solve difficult-to-detect problems.



Shafts and bearing housings are measured with micrometers and new shafts are precision-ground.

Expertise At Troubleshooting

Frequently, Dreisilker is given the responsibility of repairing motors that have been “mis-repaired” at competitor’s facilities. Some common problems our technicians encounter on these cases include: incorrect feedback device alignment, non-concentric air gap, output shaft runout, wear surpassing manufacturer’s specifications, motors wound improperly, and precision bearings replaced with standard bearings.



Motor shaft runout testing verifies concentricity and integrity of repair.



Each rewinding process is performed to precise specifications based on OEM motor data.

Parts & Exchange Motors Available

In an effort to shorten delivery times, we stock an extensive variety of specialty parts for servo and spindle motors that include high speed bearings, encoders, and fan motors. We also keep an inventory of AC and DC spindle and servo exchange motors which all carry a one-year warranty. Ask us for more details.



All motors are wound with class H insulation materials, and our “trickle” varnish technique provides superior slot-fill. This results in a more rigid winding, ideal for machine tool applications. These insulation specs and varnishing processes allow us to provide our customers with windings that far outlast the warranty under normal conditions, and are often an upgrade from OEM windings.



Stator dimensions are checked to meet manufacturer’s geometric tolerances.



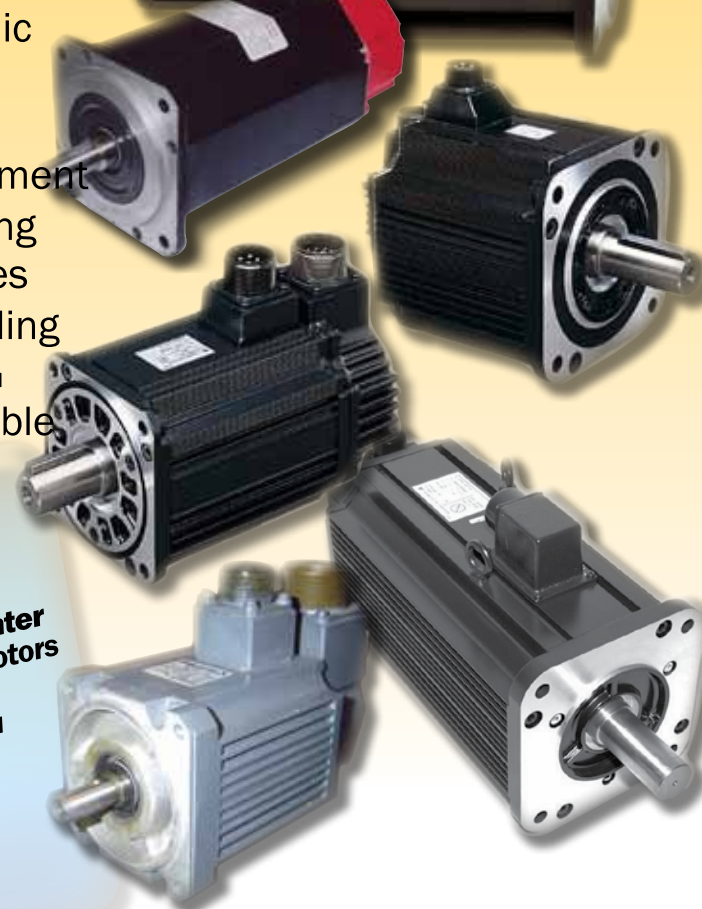


Setting the Benchmark for Repair Excellence



Exclusive DREISILKER Servo & Spindle Motor Repair Features:

- Thorough Evaluation, Documentation & Testing
- Root Cause Analysis
- Motor-Safe™ Repair Process
- Highly Accurate Computerized Winding
- Advanced Varnishing
- Precision Dynamic Balancing
- High Quality Bearing Replacement
- Final Testing Using Specialized Drives
- Ultra-Seal™ Winding and Super-Seal™ Processes Available



SERVO MOTORS SERVICED:

- ABB
- Alsthom
- Contraves
- Fanuc
- Gettys
- Inland/Kollmorgen
- Rexroth/Indramat
- Kollmorgen Industrial Drives
- Mavilor
- Mitsubishi
- Modicon Telemechanique
- NUM *
- pancake-type servos
- Porter Peerless
- SEM
- Siemens
- Yaskawa *
- and many more!

SPINDLE MOTORS SERVICED:

- Baumüller
- Fanuc
- Elektra Farndau *
- Franz Kessler KG *
- Fuji *
- Mitsubishi *
- Okuma
- Reliance
- Siemens
- Yaskawa *
- and others!

* Dreisilker is an Authorized Repair Center for servo and spindle motors manufactured by:

- Elektra Farndau
- Fuji
- Kessler
- Mitsubishi
- NUM
- Yaskawa



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