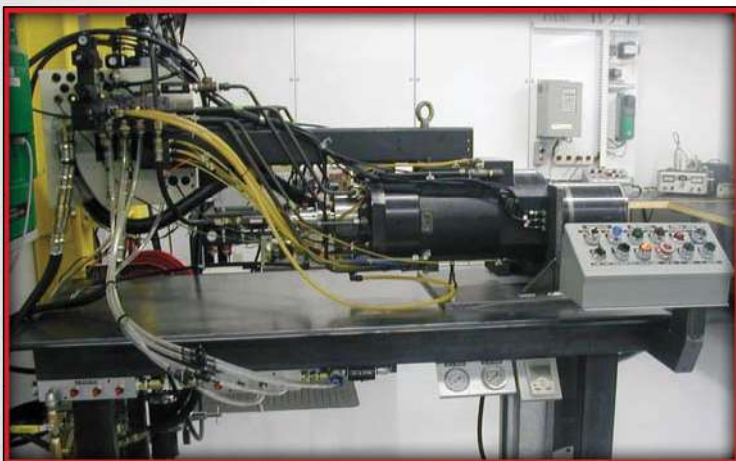


PRECISION SPINDLE REPAIR

The McBroom Advantage



**Your One-Stop Shop for all
your Spindle Repair Needs**

SERVICING

- > Aerospace
- > Automotive
- > Automation
- > Grinding
- > Woodworking
- > Milling & Sawing

ALL MANUFACTURERS
Domestic & Overseas

*Make Us Your Source for
Reliable Precision
Spindle Rebuilds*

**Over 70 Years Serving
Industry**



Let us show you the McBroom Advantage • Call today to schedule a facility tour

800 West 16th Street • Indianapolis, IN 46202

1-800-873-7330 • 317-926-3451

Fax: 317-927-0759



The McBroom Advantage

OUR QUALITY RECONDITION FACTORS

- > Disassembled, inspected, evaluate and quoted with 48 hours
- > All parts examined for proper fits and geometry using the latest measuring equipment
- > All critical dimensions are returned to manufacturer's specifications or better to ensure trouble-free operation
 - *Housings - non-conforming areas are sleeved and re-bored or chromed and reground*
 - *Shafts & Tapers - Non-conforming areas are chromed and reground (shaft is dynamically rebalanced)*
- > Motor and electrical test
 - *Rewind stator if needed*
- > Encoder evaluation and adjustments
- > Spindle reassembly - environmentally controlled clean room by skilled technicians
- > Spindle run-in - Quality Control Test Lab
- > Vibration Control - With computerized equipment to the tightest tolerances in the industry
- > Return to customer in custom built wood crate



Measuring



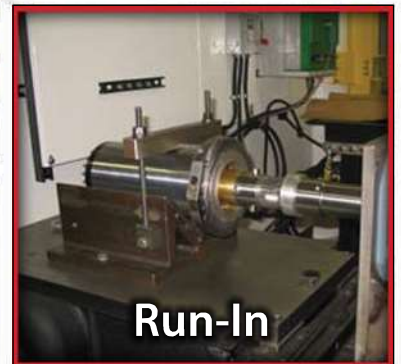
Disassemble



Balancing



Assembly



Run-In



Vibration Check



McBroom's fully equipped spindle repair facility specializes in the repair of precision, high speed, high frequency and belt driven spindles, servicing the automotive, machine tool and aerospace industries. McBroom can improve your capabilities and productivity and lower your maintenance costs. Our skilled technicians will provide quality repairs promptly and accurately with complete diagnostic documentation.

The McBroom Advantage



McBroom will work with your manufacturing engineers to make spindle modifications such as special sleeving, stator insulation, modifications to accept sealed bearings, slingers or special oiling requirements.



We will arrange to have your spindle delivered to our facility where it will be disassembled, inspected and evaluated. After evaluation a detailed quote will be sent to you for your approval.

All parts will be meticulously examined for proper fit and geometry using the latest measuring equipment. All critical dimensions are returned to print specifications or better to ensure trouble free operation.

Every spindle shaft is dynamically balanced with computerized equipment to some of the tightest tolerances in the industry.

McBroom specializes in the rebuild of all types of spindles, equal to or better than the original manufacturers' specifications

BELT DRIVEN



LATHE



BORING



MOTORIZED



GEAR DRIVEN



HIGH SPEED



BLOCK TYPE



GRINDING



MILLING



MACHINE TOOL



McBroom will provide:

- In-depth inspection and analysis
- Written repair quotation
- Obsolete part manufacturing
- Precision surface regrinding
- Worn component replacement
- Vibration Analysis

PRECISION SPINDLE REPAIR



Partial List of Spindle Manufacturers

- > Blanchard
- > Browne & Sharpe
- > Bryant
- > Chiron
- > Cincinnati
- > Doall
- > Dumore
- > Enshu
- > Excel
- > Excello
- > Fanuc
- > Franz Kessler
- > GMN
- > Gros-ite
- > Heald
- > Ingersoll
- > Kingsbury
- > Landis
- > Makino
- > Mori-Seiki
- > Pratt & Whitney
- > Parker Majestic
- > Pope
- > Precise
- > Rigid
- > Rockwell
- > Setco
- > Taft Pierce
- > Voumard

The McBroom Advantage

- > **Comprehensive Final Analysis Reporting**
Vibration Spectrum Provided for Motorized Spindles
- > **SKF Certified Technicians**
- > **Routine & Emergency Rebuilds**
- > **Custom Modifications**
- > **Pick-Up & Delivery**
- > **24/7 Service - 365 Days/Year**
- > **Fast Turnaround, Guaranteed Quality**
- > **Cost Effective Factory Alternative**

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