

Mi REPAIR & SERVICES
MiRepairandServices.com



**Specializing in All Couplings / Engineering Analysis / CNC
Machining Capabilities / Field Services / Multiple Field Specialists**

MILL SERVICES CAPABILITIES

Mill Services Capabilities



We're Here for You

Motion Repair & Services meets your industrial application needs for the build, repair and supply of various universal joints, shaft assemblies and all coupling-related products. From industrial drive assembly and repair to custom designs and modifications and everything in between, we are ready to tackle your toughest projects today.

Our technicians can assemble and repair most industrial drive shafts and perform a complete rebuild or new build for most manufacturers. Special high-precision, double-plane balancing equipment is available for all shaft assemblies. If you need on-site assistance, our team can provide field services for your operations.

Balancing

Schenck H5B

- Capacity = 10,000 lbs x 32' long x 60" diameter
- Maximum of 1,800 rpm (possibly higher in special conditions)
- Upgraded software allowing balance at whatever speed necessary while still physically running the subject piece below 1,800 rpm
- Up to 3,200 rpm at ISO G1.0 level
- Balance reports on all balanced shifts

Coetz Se400

- Capacity = 1,000 lbs x 14.4' long x 14" diameter
- Maximum of 1,800 rpm (possibly higher in special conditions)

Driveshafts

- Heavy-duty repair and new build center
- Stocks and specializes in GWB series 390, 393, 492, 498, 587, 687 and 932
- Manufacture and repairs of shredder driveshafts from 390 mm to 550 mm swing components
- Specializes in custom-built auto lubricator driveshafts

Engineering Analysis

- 2D and 3D drawings available
- Application design
- B10 life
- Critical speed and resonance calculations
- On-site surveys
- Reliability improvement
- Reverse engineering
- Root cause failure analysis

Gear Couplings

Motion Repair & Services can provide any configuration gear coupling up to AGMA size 7 from stock. This includes short or long hubs, standard or custom sleeves, AGMA or European bolt patterns, alloy material flex hubs for hydraulic bore and stock on common AGMA bolt kits.

Motion Repair & Services even has its own line of proprietary gear couplings. These couplings have many useful and unique features, including:

- Nitro-oxidized coating
- AGMA bolt pattern
- Full-length teeth in sleeve
- Removable split back seal ring
- Unique grease distribution porting
- Standard puller holes

Equipment

CNC Lathes

- Haas ST55
- Mazak Megaturn 900M
- Mazak QT 28N
- Mazak QT Nexus 300
- Milltronics ML26

CNC Mills

- Haas Mini Mill
- Haas TM-2P
- Haas VF-3YT
- Haas VF-7
- Leadwell MCV-1300P

Keyseating/Spline

- DC Morrison Keymaker
- Mitsubishi EDM
- Morey 14" Vertical Slotter
- Rockford 36" Vertical Slotter

Manual Lathes

- Birmingham DL-26120
- F3 American Engine
- Jet Bench
- JFMT JMK530
- Lagun Liberty
- TOS Trecin

Manual Mills

- 3 Acra Knee Mills
- H.W. Kearns Horizontal Boring Mill
- Summit HBM 110H

Miscellaneous

- 2 Hydraulic Presses
- Kao Ming Drill Press
- Multiple Surface Grinders

Specialized Market Services

Paper Industry

- Low- and high-speed coupling repair
- Reliability upgrades
- Application analysis
- Custom catalogs and lubrication options available
- Machine surveys available upon request
- Field service in some areas

Oil & Gas Industry

- Driveshaft repair for frac units
- Specialized inventory reserve designed especially for this industry, with expedited deliveries available
- Cementing units

Metals Industry

- GWB and MAINA Certified Repair Center for all sizes
- Application review and engineering support
- Manufacture of common universal flange connections (Hirth serrated, dog tooth, face key, etc.)
- Field service in some areas
- Customer on-site surveys available
- Driveshafts for cranes, continuous castors, coil boxes, rolling applications, vertical edger drive, seamless tube mill, coil slitters, continuous galvanizing lines, levelers, brush cleaning lines, coil pickling and oiling, coating

lines, temper pass mills, gauge correction mills, bar mills

Shredders

- Full line of GWB shredder driveshafts made to length in stock with quick deliveries
- Repair available for all manufacturers, with detailed inspection reports for each repair
- All new shredder driveshafts are X-ray certified

Ultimate Coupling Bolt Kit

Our team provides manufacturer-specific standard gear coupling bolt kits. It is important that these critical components are torqued properly, or else problems can persist due to misinformation or improper tooling.

All standard bolt kits include metal locking nuts. Special kits are available for Beloit-style rigid hubs that consist of fine-thread bolts with spacers. This technology can be implemented in a wide range of product lines that require fasteners with indicator systems. Bolt kits are designed to be user-friendly and fully interchangeable with a long life cycle. These kits are available for fastener applications as well.

Service You Can **Trust**



All Brands Serviced, Including:



...and more!



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