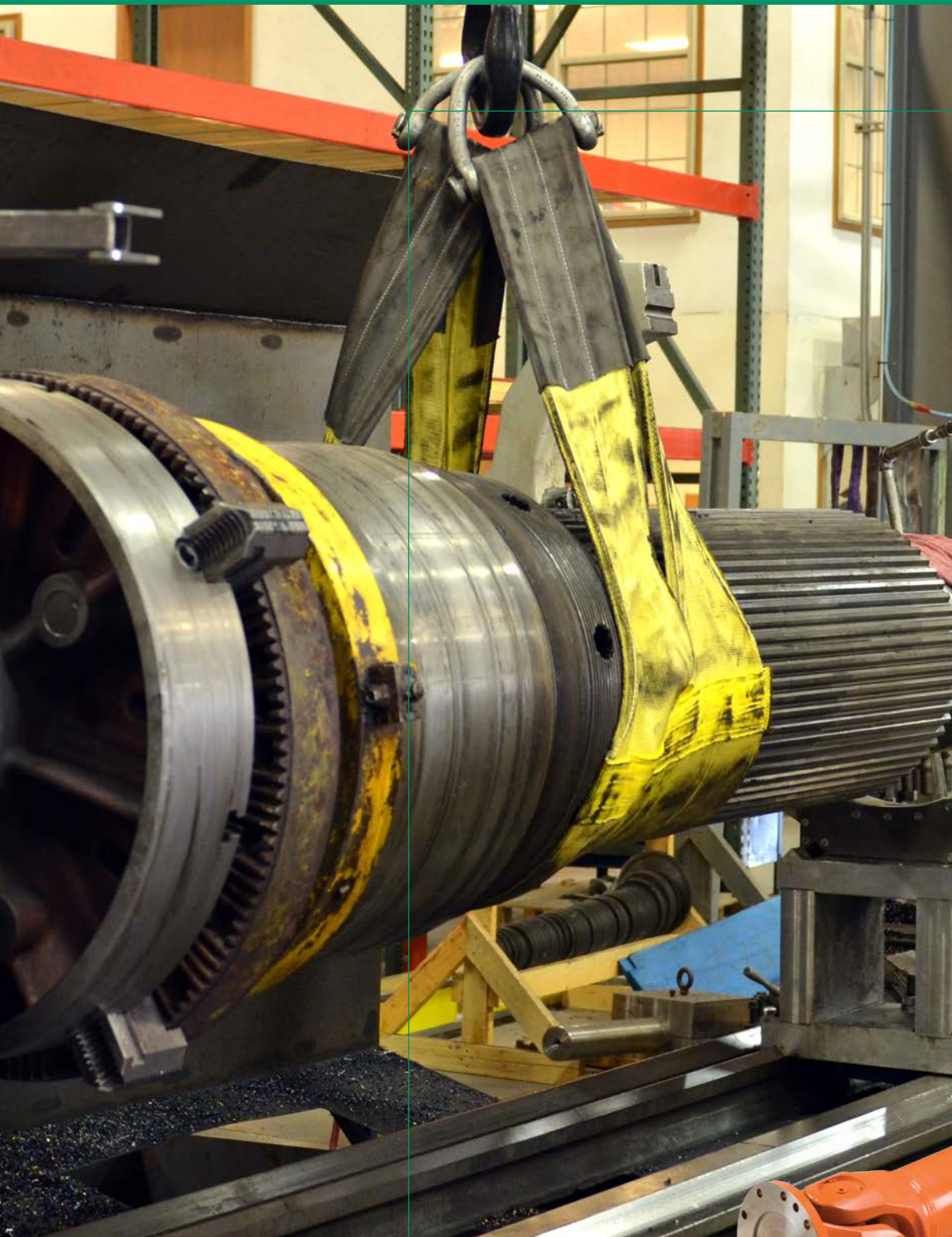


Rebuild and Repair Service



 **Ameridrives®**
Power Transmission

An Altra Industrial Motion Company

AMERIDRIVES COUPLING PRODUCTS WAS FOUNDED IN 1928

as Zurn Industries, Inc. For the past 70 years, Ameridrives has been an industry leader in the supply of flexible, power transmission gear couplings and spindles for the most critical and demanding applications.

Ameridrives began manufacturing industrial universal joints in 1978 and quickly became the North American market leader. We pride ourselves on being able to offer an American made product for the most demanding applications in the world.



In 2004, Ameridrives became part of the Altra Industrial Motion group of companies that went public in December 2006.

Altra Industrial Motion acquired All-Power Transmission, a leader in small drive shafts, in 2006 renaming to Ameridrives Power Transmission and further expanding our universal joint product line.

Today, we pride ourselves on being able to offer one of the most comprehensive lines of universal joints in the industry. We are the only American manufacturer of large universal joints up to 1300 mm in diameter with local sales and engineering support. Ameridrives goal is to always work closely with our customers to optimize a design for maximum life and develop a long-term rebuild and repair program.

www.ameridrivespowertransmission.com



WHY DO CUSTOMERS CHOOSE **AMERIDRIVES** OVER ANY OTHER BRAND?



Problem: A major steel producer was experiencing excessive wear and vibration of the gear spindles on their 5-stand tandem cold mill with various spindle brands lasting only 6 months. Over time the surface damage to the steel from the spindle vibration (chatter) caused the operator to either slow the mill down, reducing production by 20% to reduce the vibration, or replace the spindles completely

Solution: Ultimately, Ameridrives Power Transmission was called to provide a more reliable spindle. The Ameridrives advanced gear design spindles lasted twice as long as the competitor units. Soon after, Ameridrives application engineers approached the mill with an even better solution. They recommended that all the gear spindles be converted to universal joints which would reduce surface damaging vibration almost completely, while allowing the mill to run at faster speeds.

REPAIR AND REBUILD

Comprehensive services include the inspection, remanufacturing and repair of all original equipment manufacturers' shafts, spline sections, yokes, flanges, knuckles and journal cross assemblies.

Ameridrives Power Transmission is capable of repairing:

• Koyo • Maina • Voith • Najico • GWB • Morgan Koelling

AMERIDRIVES PROVIDES TOTAL REBUILD AND RETROFIT SERVICES

for all Ameridrives equipment as well as a number of retrofit services for a number of competitors' equipment.

Total services offered are:

Engineering Ameridrives is a true OEM of a complete line of Universal Joint parts, so we can offer full engineering services to address all your application needs and improve performance.

Repair Program We become your partner to maximize your driveshaft life and performance. Detailed inspection and repair reports let you know exactly what options you have. Comprehensive programs will help reduce overall costs and reduce unnecessary downtime.

Inspection Evaluate the condition of the gears, shafts, bearings and seals during a visual and dimensional inspection.

Bearing Replacement Capable of replacing other manufacturer's bearings with interchangeable components or retrofitting with a standard Ameridrives bearing assembly package.

Yoke Repair Restore quality of yoke to "Like New" for various OEM yokes.

Spline Repair Fix minor gouges and cracks along length of spline as well as the cap ability to replace completely damaged spline sections.

Welding Re-weld existing flanges, shafts and yokes on any number of reusable pieces of equipment.

Non Destructive Testing Dye penetrant testing for cracks in the yoke, flange, journal cross and spline.

Painting Complete painting of the shaft and joint assembly in any color the user requests.

Lubrication Routine lubrication for shipping and storage (priming) as well as full lubrication for immediate use.

Training Seminars Covers all phases of repair and rebuild in a hands-on program: inspection, teardown, reassembly and testing.

Expedited and Emergency Service Available from our OEM Stock and Manufacturing Capability

QUALITY ASSURANCE

From inspection and teardown to reassembly and complete unit testing, each step is planned and executed within the requirements of our Quality Management System.

Rebuilt Ameridrives Units include "Factory New" Warranty



Problem: A leading Midwest seamless tube piercing steel mill was experiencing repetitive OEM universal joint knuckle failures on their mandrel and piercing mills. The original OEM universal joint knuckles would catastrophically fail without warning, turning rollers and other component fragments into projectiles which created a major safety concern. Failures were unpredictable, with some breaking down in days, weeks, or months, creating substantial delays and often shutting down production.

Solution: Ameridrives developed a new, custom-engineered knuckle solution that provided years of service compared to the premature failures of the original OEM universal joints. Ameridrives was also able to retrofit the existing yokes with new cross and bearing kits after verifying the strength of the existing material, saving the mill money. As the yokes began to wear beyond repair, Ameridrives had the ability to design and manufacture drop-in replacements.

Belted Drives and Sheaves	Couplings Cont.	Engineered Bearing Assemblies	Heavy Duty Clutches and Brakes Cont.
TB Wood's <i>Belted Drives</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7	Lamiflex Couplings <i>Flexible Couplings, Bearing Isolators, and Coupling Guards</i> Cotia, SP - Brasil +55 (11) 4615-6300 TB Wood's <i>Elastomeric Couplings</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7 <i>General Purpose Disc Couplings</i> San Marcos, TX - USA 1-888-449-9439	Kilian Manufacturing <i>Engineered Bearing Assemblies</i> Syracuse, NY - USA 1-315-432-0700 Gearing Bauer Gear Motor <i>Geared Motors</i> Esslingen, Germany +49 (711) 3518-0 Somerset, NJ - USA 1-732-469-8770 Boston Gear <i>Enclosed and Open Gearing, Electrical and Mechanical P.T. Components</i> Charlotte, NC - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-816-5608	Wichita Clutch <i>Pneumatic Clutches and Brakes</i> Wichita Falls, TX - USA 1-800-964-3262 Bedford, England +44 (0) 1234 350311 Linear Products Warner Linear <i>Linear Actuators</i> Belvidere, IL - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24
Couplings Ameridrives Couplings <i>Mill Spindles, Ameriflex, Ameridisc</i> Erie, PA - USA 1-814-480-5000 <i>Gear Couplings</i> San Marcos, TX - USA 1-800-458-0887 Ameridrives Power Transmission <i>Universal Joints, Drive Shafts, Mill Gear Couplings</i> Green Bay, WI - USA 1-920-593-2444 Bibby Turboflex <i>Disc, Gear, Grid Couplings, Overload Clutches</i> Dewsbury, England +44 (0) 1924 460801 Boksburg, South Africa +27(0) 11 918 4270 Guardian Couplings <i>Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings</i> Michigan City, IN - USA 1-219-874-5248 Huco Dynatork <i>Precision Couplings and Air Motors</i> Hertford, England +44 (0) 1992 501900 Chambersburg, PA - USA 1-888-829-6637	Electromagnetic Clutches and Brakes Inertia Dynamics <i>Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes</i> New Hartford, CT - USA 1-800-800-6445 Matrix International <i>Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes</i> Brechin, Scotland +44 (0) 1356 602000 New Hartford, CT - USA 1-800-825-6544 Warner Electric <i>Electromagnetic Clutches and Brakes</i> New Hartford, CT - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24 <i>Precision Electric Coils and Electromagnetic Clutches and Brakes</i> Columbia City, IN - USA 1-260-244-6183	Heavy Duty Clutches and Brakes Industrial Clutch <i>Pneumatic and Oil Immersed Clutches and Brakes</i> Waukesha, WI - USA 1-262-547-3357 Svendborg Brakes <i>Industrial Brakes and Brake Systems</i> Vejstrup, Denmark +45 63 255 255 Twiflex Limited <i>Caliper Brakes and Thrusters</i> Wichita Falls, TX - USA 1-844-723-3483 Twickenham, England +44 (0) 20 8894 1161	Overrunning Clutches Formsprag Clutch <i>Overrunning Clutches and Holdbacks</i> Warren, MI - USA 1-800-348-0881 – Press #1 <i>For application assistance:</i> 1-800-348-0881 – Press #2 Marland Clutch <i>Roller Ramp and Sprag Type Overrunning Clutches and Backstops</i> South Beloit, IL - USA 1-800-216-3515 Stieber Clutch <i>Overrunning Clutches and Holdbacks</i> Heidelberg, Germany +49 (0) 6221-30470 <i>For information concerning our sales offices in Asia Pacific check our website</i> www.altramotion.com.cn


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