

Power REVIEW

THE POWER BRANDS IN POWER TRANSMISSION

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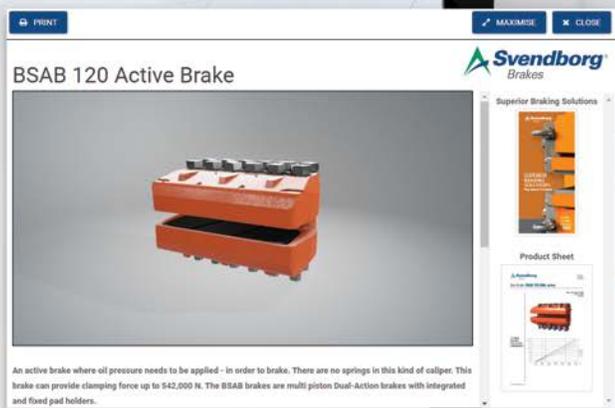
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INSIDE THIS ISSUE:

Altra's Virtual Trade Show Features Monthly Innovation Spotlights

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Formsprag VTOL Aircraft Clutch and Brake Solutions

Altra motionCONNECT Diagnostic Solutions

Formsprag FSO Overrunning Clutches for Amusement Park Applications

Boston Gear Original "Domed Crown™" Stainless Steel 700 Series

Ameridrives Universal Joint Rebuild and Repair Service for the North American Metal Shredder Market

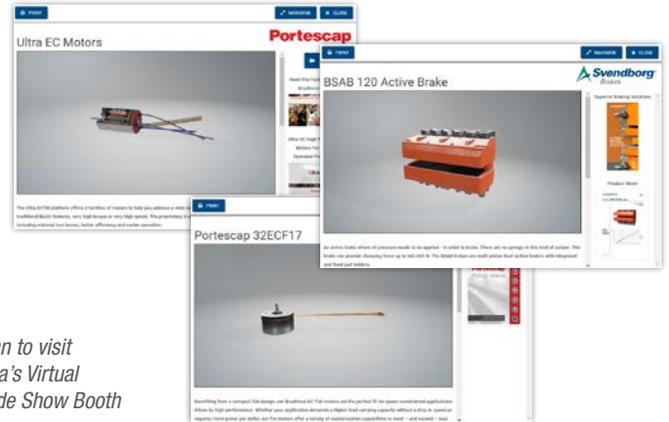
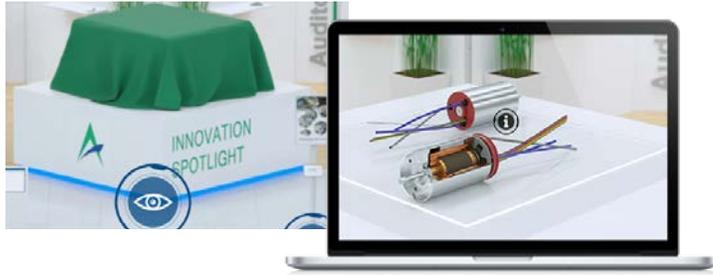


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Altra's Virtual Trade Show Innovation Spotlights

Every month, the Innovation Spotlight section will showcase a featured product from one of our brands that sets it apart in the industry. Be sure to create an account on the Virtual Trade Show for full access, including the latest Innovation Spotlights!

In addition to the monthly Innovation Spotlights, visit the Virtual Trade Show to get a comprehensive overview of the capabilities of each leading brand while viewing imagery, videos, downloads and literature.



Visit the Altra Virtual Trade Show at www.AltraEx.com



Scan to visit Altra's Virtual Trade Show Booth

Formsprag VTOL Aircraft Clutch and Brake Solutions

The rapidly growing interest in various types of VTOL aircraft has created a highly competitive market environment for vehicle OEMs. Formsprag Clutch, a global leader in clutch and brake technologies, is uniquely positioned to support VTOL aircraft design engineers as they meet these application challenges.

Whether a modified standard product or a completely new custom solution is required, Formsprag provides complete engineering and sales support to customers around the world, from the very first concept to the detailed planning, design variation phase and commissioning. To help improve speed-to-market, custom prototypes are often delivered in weeks, not months.

Formsprag clutches and brakes can be utilized on all types of VTOL vehicle designs, including aircraft that...

- are electric battery, electric hybrid, electric hydrogen or turbine engine powered
- utilize multirotor, tilt-rotor or decoupled-propulsive drive systems
- are driven by 3, 4, 6, 8, 10 or more vertical thrust tilt rotors/fans
- incorporate pusher/lateral rotors/fans
- are piloted or optionally piloted
- utilize tilt and/or foldable wings
- are designed to carry passengers, cargo or both
- feature redundant electric motors on all rotors/fans



For more information, download P-8971-FC from www.AltraLiterature.com

Scan to visit the VTOL webpage



Altra motionCONNECT Diagnostic Solutions

Introducing motionCONNECT, which offers a single-access IIoT solution connecting Altra's heavy-duty couplings, clutches, and brakes across applications used in mining, steel mills, ports, and other key markets to one common cloud.

Investing in Altra motionCONNECT Will Help You:

- Distinguish between failures that require immediate attention vs. planned maintenance
- Eradicate root causes for failure
- Reduce unscheduled maintenance and downtime
- Optimize maintenance planning and component lifetime

Altra motionCONNECT provides the right information to the right person at the right moment.

For more information, download P-8982-C from www.AltraLiterature.com



Formsprag FSO Overrunning Clutches for Amusement Park Applications

Amusement Park Water Ride: A popular Orlando, Florida theme park needed a replacement overrunning clutch for use on one of its rides. The problem was that the original competitor clutch was failing due to its age. Formsprag worked with a distribution partner as well as the ride maintenance engineers to ensure that the replacement clutch was suitably sized to meet the ride's requirements. Ultimately, Formsprag provided a special replacement FSO-900 clutch that featured nickel plating to withstand the heavily treated water containing chlorine and other corrosive chemicals.

World's Longest Wooden Roller Coaster: An overrunning clutch was needed for use on the world's longest wooden roller coaster located at a major amusement park in Ohio. As part of the coaster refurbishment, an upgraded Formsprag FSO clutch, popular for use on roller coasters, was supplied to provide increased reliability and extended life. The new, replacement FSO-500 model features improved seals that allow for low-maintenance grease lubrication. The previous model had oil lubrication that could leak out and allow the clutch to become dry.

Water Plume Ride: A popular theme park located in Ohio needed a replacement overrunning clutch for use on one of its water plume rides. In response, Formsprag provided an upgraded replacement FSO-500 clutch. The new clutch featured nickel plating to fight corrosion due to chemicals in the water. Also, a food-grade grease was substituted to eliminate any oil lubrication from being introduced to the water that splashes onto the riders.

For more information, download P-8984-FC, P-8986-FC, & P-8991-FC from www.AltraLiterature.com



Photos courtesy of themeparkarchive.com



Formsprag Clutch®
Altra Industrial Motion

Boston Gear Original "Domed Crown™" Stainless Steel 700 Series

Utilizing the often imitated but never equaled 700 Series worm gearing combined with new exterior designs, the new stainless steel 700 Series performance has been optimized to withstand the harshest washdown conditions!

- NSF International Certified
- Rounded housing eliminates virtually all flat surfaces and prevents foreign matter accumulation or standing fluid
- Elimination of all exposed hardware promotes smooth surfaces to optimize washdown effectiveness
- Lubed for life with H1 rated food grade lubricant Klubersynth UH1 6-460
- IP69K-Rated when ordered with the high pressure washdown seal option
- Available in hollow and solid output shaft

For more information download P-1998-BG & P-7756-BG from www.AltraLiterature.com or visit www.BostonGear.com



Laser marked nameplate provides worry-free part identification while maintaining a smooth, unetched surface. Rounded housing prevents foreign matter adherence and fluid accumulation.



Boston Gear®
Altra Industrial Motion

Ameridrives Universal Joint Rebuild & Repair Service for the North American Metal Shredder Market

Metal shredder facilities in North America, with an eye on increasing output while reducing costs and downtime, can send their damaged Ameridrives or competitor U-Joints directly to the Rebuild and Repair facility in Erie, Pennsylvania.

Every hour of shredder downtime can cost thousands of dollars. That's why the Ameridrives facility is set up and staffed to provide fast turnaround of all customer U-Joint repairs and rebuilds.

Ameridrives offers emergency rebuild services for those instances when a U-Joint needs to be repaired within a matter of hours and returned. Their dedicated team of technicians work after hours and over the weekend, if necessary.

Comprehensive services include the inspection, remanufacturing and repair of all shafts, spline sections, yokes, flanges, knuckles and journal cross assemblies. We are also able to provide in-house Non-Destructive Testing (NDT) of cracks in the yoke, flange, journal cross and spline.



Ameridrives®
Altra Industrial Motion

For more information, download P-8030-AC-NA from www.AltraLiterature.com

Upcoming North American Trade Shows

WORKBOAT	New Orleans, LA	Nov 30 - Dec 2, 2022
IPPE	Atlanta, GA	January 24-26, 2023
MD&M West	Anaheim, CA	February 7-9, 2023
SME	Denver, CO	Feb 26 - Mar 1, 2023
Heli-Expo	Atlanta, GA	March 6-9, 2023
Food Northwest Process & Packaging Expo	Portland, OR	April 4-6, 2023
ISRI	Nashville, TN	April 17-20, 2023
OTC	Houston, TX	May 1-4, 2023
AIST	Detroit, MI	May 8-11, 2023

For more information about upcoming tradeshow, visit:
www.Altramotion.com/Tradeshow



Visit Altra's Virtual Trade Show Exhibit Booth

The Latest Advancements in Power Transmission and Motion Control Solutions for Altra Motion are on Display at WWW.ALTRAEX.COM

Navigate through the virtual exhibit to get a comprehensive overview of the capabilities of each leading brand while viewing imagery, videos, downloads and literature.

Scan to visit
 Altra's Virtual
 Trade Show
 Booth



Altra Application Profile Videos on YouTube

Visit Altra Motion on YouTube to see our newest videos including our recently added Application Profile Video Series.

The AP Video Series features success stories for a variety of industrial applications. We upload new videos routinely, so check back often.

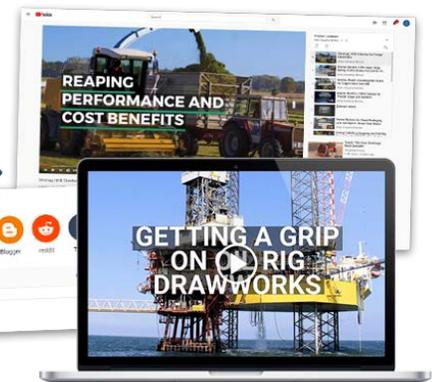
These micro videos comprise the Problem I Solution Playlist and are ideal for sharing with others.

Share your favorite videos via email or various other social media sites. Videos can also be added to custom playlists or saved to a "Watch Later" list.

[YouTube.com/AltraIndMotion](https://www.youtube.com/AltraIndMotion)



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 on YouTube



Huco Couplings for Forklift Steering Columns



TB Wood's Couplings for Steel Mill Runout Table



Delroyd Drives for Screwdown Mill Stands

Ameridrives
Bauer Gear Motor
Bibby Turboflex
Boston Gear
Delevan

Delroyd Worm Gear
Formsprag Clutch
Guardian Couplings
Huco
Kilian

Kollmorgen
Lamiflex Couplings
Marland Clutch
Matrix
Nuttall Gear

Portescap
Stieber
Stromag
Svendborg Brakes
TB Wood's

Thomson
Twiflex
Warner Electric
Wichita Clutch