CEMA Member Companies – IN THE NEWs!

Volume 4, Issue 4

APRIL 2014

The Voice of the North American Conveyor Industry

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RIVER CONSULTING®

RIVER CONSULTING HOLDS TIGHT TO SPOT ON ENR TOP 500 DESIGN FIRM LIST!

Columbus, OH—River Consulting announces it is ranked as one of the "Top 500 Design Firms" in the country by *Engineering News-Record* (ENR) for the **seventh consecutive year!**

Published annually, the ENR Top 500 recognizes top-performing architectural and engineering firms. River Consulting took the 392nd spot for the second year in a row in the *Engineering News-Record* April 21, 2014 issue. "Being recognized by the engineering community as a top design firm seven years in a row is a great honor. Our ability to remain ranked strong on the list in a constantly evolving marketplace shows that we continue to be one of the nation's 'go-to' firms for substantial projects," stated Gregory DiFrank, P.E. president. "By focusing on answering our clients' needs, aligning our expertise with core industries, and responding to the demands of the marketplace, we continue to improve our ability to deliver services and ……..*continue reading on Page 2*

www.riverconsulting.com

NEW HIRES–AWARDS—MYTHS –PRODUCTS – PARTNERSHIPS & ROBOTICS!

INTRODUCING the MAXI-LIFT EASY-CORE!

Maxi-Lift inc.®

Dallas, TX—Maxi-Lift, Inc., introduces the new Maxi-Lift Easy-Core* for PVC, Rubber, and Urethane belting. This new maximum duty belt core is up to three times stronger than wood cores and can be used over-and-over again.

The Maxi-Lift Easy-Core sets a new precedent in belt core technology with greater strength, longer life and easy installation all in a single plastic core. Created from 100% recycled plastic, the Easy-Core is featured in a 6"x6" size and weighs 3.1 lbs.

"Since we have been using these plastic cores in our belt shop, life has been much simpler. We have cut down considerably on our set-up time and have been able to eliminate all of the dust and wood particles from the wood cores that cause extra mess and maintenance on our machines. Being able to re-use these parts has been a great way to cut back on cost as well," says Jeff Jowers, Maxi-Lift Belt Shop Manager……..*continue reading on Page 2*

INSIDE STORIES INCLUDE NEWS FROM,,,,,

CEMA MEMBERSHIP?

SUPERIOR INDUSTRIES APPOINTS KEVIN KRIEGER!

Kevin Krieger, Conveying Equipment Territory Manger

Morris, MN—Superior Industries, Inc. , a major U.S. manufacturer and global supplier of conveyor systems and their related components, has appointed *Kevin Krieger* as territory sales manager throughout the Mountain and Northwest regions of the United States. In his new role, Krieger will work closely with Superior's dealers in the region to bring innovative conveying equipment to bulk material producers in Oregon, Washington, Idaho, Montana, Wyoming, Colorado and New Mexico.

Krieger comes to Superior Industries after almost a quarter century representing conveyor belting manufactures. Most recently, he was a territory manager for Fenner Dunlop for the last 12 years. Before that, he worked for Scandura, Inc., a manufacturer of conveyor belting which Fenner Dunlop acquired in 1997. Krieger received his Bachelor of Science in Business Administration from Bowling Green State University. He and his wife make their home in the Greater Portland metropolitan area.

For more information, contact Superior Industries at 320.589.2406 or see our website at **www.superior-ind.com**

RIVER CONSULTING®

Continued from page 1

solutions to our clients and enable them to achieve their project goals." DiFrank's more than 20-year tenure at River Consulting includes sponsorship of national and international multi-million dollar projects, team leadership, and the development of strategic business endeavors that contribute to company growth and sustainability.

River Consulting is a leading mid-major A/E to global energy, food, process and industrial clients, delivering multidiscipline engineering and project management solutions for major capital projects and facility and process expansions. The firm's experience spans over three decades and 57 countries. Visit **riverconsulting.com** for more information.

Maxi-Lift inc.®

Continued from page 1

The design features a through hole for use with a threaded shaft, dual locking studs and a squaring line for precise belt alignment. The round corners in the receiver shaft ensure for easier slide in steel windup bar. In addition, the Easy-Core is non-sparking, corrosion and moisture resistant, export approved and is ideal for outside storage.

For more information, contact Maxi-Lift at 800.527.0657 or see our website at **www.maxilift.com**

ARE BEARINGS MAKING YOU SPIN YOUR WHEELS?

Maysville, KY—Emerson Industrial Automation, says the wheels of industry turn on bearings, so why do the wheels often vibrate, clatter, squeak, drag and overheat? Bearings can fail for lots of reasons. Most failures (as shown in Figure 1) are related to lubrication and contamination, but myths and misconceptions handed from one generation of maintenance engineers to the next help perpetuate many easily avoidable problems. These myths fall into three general areas of bearing use: installation, misapplication and lubrication.

Figure 1

Installation myth #1: It's okay to hammer a bearing into position if needed – FALSE.

Never strike a direct blow to a bearing. The rolling elements and raceway are hardened, but can still be damaged. A hammer blow can leave dents in the raceway that can cause noise and dramatically reduce bearing life. If installation is difficult, first check the shaft diameter, look for burrs, dirt or corrosion on the shaft. If needed, use a press to slide the bearing on. Apply pressure equally on the face of the inner ring to avoid damaging the raceways and rolling elements.

Installation myth #2: Off-the-shelf TGP shafting is the best option – FALSE.

It's much more important to know the shaft's tolerance range to be sure it meets your bearing manufacturer's spec for diameter and roundness. Review the bearing manufacturer's recommendations and measure/specify the correct shaft diameter.

Installation myth #3: It's fine to hand-tighten setscrews one at a time – FALSE.

Setscrews should be tightened to the manufacturer's recommended torque. Under tightening can allow the bearing to slip on the shaft. Over tightening can distort the raceway or crack the inner ring. Use the "half-full/full" rule for tightening setscrews – tighten the first setscrew to half the recommended torque, the second setscrew to the full torque, then go back to the first setscrew and apply full torque.

Application myth #1: Bearings should not be hot to the touch – FALSE.

Normal bearing operating temperatures can range from 80°F to 150°F, but certain applications may run higher or lower. Most bearings are rated for -20 to 220°F, but can be supplied with special grease, seals or heat stabilizing processes that allow them to operate at higher temperatures. Bearings normally run hotter at start up or right after re-lubrication because excess grease increases drag and friction in the bearing. Spikes up to 50°F are normal at start-up, and 30°F after re-lubrication. As the rolling elements purge excess grease through the seals, the bearings return to steady-state temperatures.

Application myth #2: Bigger bearings are always better – FALSE.

Bigger bearings with a higher load capacity may show a higher fatigue life, but if the load does not achieve the minimum requirement, the rolling elements can skid along the raceway instead of rolling. This can cause high temperatures, excessive wear, lubrication breakdown and bearing failure.

Application myth #3: Sealed/lubed-for-life bearings will last forever – FALSE.

Bearing life depends on grease life, which is affected by the operating conditions (speed and load) and environment (temperature and contamination). Grease life can be improved with enhanced seals, proper installation and proper grease selection. Ultimately, the best bearing is the properly lubricated bearing.

To continue reading about the Lubrication myths #1—5, click here to continue reading the Lubrication myths……..

Ian A. Rubin is *Director of Marketing,* mounted bearings, for Sealmaster, System Plast and Browning-branded products at **Emerson Power Transmission Solutions.** For more information, visit powertransmissionsolutions.com.

HAREZA TECHNICAL SALES WINS 2013 ERIEZ® MERWIN SALES AWARD!

Erie, PA—Charlie Ingram, Eriez® Vice President of Sales and Marketing, announces that **Hareza Technical Sales, Inc.** of McMurray, PA has been awarded the company's 2013 Merwin Sales Award. Eriez presents this award annually to honor the U.S. field sales office that demonstrated exceptional sales performance, superb customer service and support, and represented Eriez in an outstanding way throughout the year.

Front Row Left to Right:

Charlie Ingram (Eriez) and Joe Hareza

"The tremendous efforts of the Hareza Technical Sales team resulted in another record sales year for their territory," says Ingram. "They took on all challenges set forth and surpassed the goals in each of their assigned markets." He adds, "Making their accomplishments ever more impressive, Hareza also further developed their field sales staff in 2013." Hareza Technical Sales faced difficult competition for this prestigious award. According to Eriez, 29 field sales offices, by virtue of their superior sales performance, qualified as 2013 Merwin Award finalist. This award was established in 1933, and named for Eriez' founding family.

www.eriez.com

INTELLIGRATED HOSTS LOCAL STUDENTS at ST. LOUIS ROBOTICS LAB

Mason, OH—Intelligrated, celebrated **National Robotics Week,** April 5-13, with a series of educational events at its St. Louis facility to build interest in robotics engineering careers.

Intelligrated hosted students from the Jefferson College robotics program on Wednesday. The company plans to welcome additional robotics student groups and alumni from Washington University in St. Louis and Southern Illinois University Edwardsville on Friday. Local elementary school students from the Rockwood school district will visit in May.

Established by Congress in 2010 to raise awareness about robots and their important role in shaping the future of education, industry and the U.S. economy, **National Robotics Week** brings together students, educators and influencers who share a passion for robots and technology. **Intelligrated's** National Robotics Week events feature presentations from company engineers, followed by tours of the company's manufacturing facility and 5,050-square-foot Alvey® robotics lab. Opened in 2011, the lab hosts research and development efforts that focus on concepting and applying new robotic innovations, and offers students live demonstrations of robotics in action.

www.intelligrated.com