

Nord Drivesystems

ADDS INVERTER SIZE TO CONVEYOR DRIVE SERIES

The new Nordac Link series of field distribution systems is designed for networked intralogistics facilities with many drive axes. These frequency inverters and motor starters enable flexible configuration of features and functions to suit application requirements. Coded plug-in connectors for power, communications and sensors enable swift and safe commissioning. Integrated maintenance switches and direction switches facilitate servicing these systems later on. Size 2 Nordac Link frequency inverters premiered at the 2017 SPS IPC Drives show in Nuremberg, Germany. These latest field distribution systems are suitable for motor ratings up to 7.5 kW. The various models in this series now offer solutions for all typical tasks in postal hubs, airport baggage handling systems and warehouses. The AC vector drives are suitable for horizontal conveyors as well as inclined and vertical conveyors. They integrate hoist functions and the safety functions STO and SS1 according to EN 61800-5-2.

The drive manufacturer offers to implement project-related variant reduction, drawing on extensive experience in a wide range of industry sectors. Plant manufacturers and operators can reap significant cost savings through streamlined processes in

purchasing and engineering as well as during commissioning and maintenance. The Nordac drive electronics range comprises several frequency inverter series for motor outputs up to 160 kW. Featuring an integrated PLC, these AC vector drives can carry out logical sequences and provide autonomous process control. Nord has enabled drives for connection to a cloud using only standard components.

The company is also preparing a fully operational software solution for predictive maintenance, based on Nord inverters, which, due to their onboard PLC, are fully capable of processing status data (such as power consumption, speed, voltage, and status word) as well as data from externally connected sensors (e.g. light curtains, vibration sensors). Offering such solutions, Nord enables machine manufacturers and system integrators to develop advanced maintenance concepts or new service models in the world of digitization and IoT/Industry 4.0.

For more information:

Nord Drivesystems
Phone: (608) 849-7300
www.nord.com



Gearing Solutions

OFFERS 5 HP FLEXFRAME SPEED REDUCER

Gearing Solutions introduces its Flex-Frame 5HP face mounted speed reducer with patented adaptors, which allow them to be used with either IEC or NEMA motors. This allows users to quickly switch or replace motors, interchange IEC and NEMA motors for export applications, add face, flange or foot mounts, and use GS convertible shaft adaptors to match virtually any motor to any gearbox.



Consisting of a face mounted speed reducer with a hollow shaft input, these new designs function as gearheads. Built on the Nu-Lobe gear design, they are available in standard ratios of 3:1, 4:1 and 5:1, making them ideal for a wide range of industrial and commercial applications, including use on mixers, parking lot gates, wind turbine yaw drives, conveyors, hoists and other material handling equipment, food processing equipment, robotic drives and more.

With aluminum housings, FlexFrame units are up to 50 percent lighter than other units with similar torque ratings, creating a premium weight to torque ratio (power density). This allows them to be used in cantilevered and over-center designs where heavier gearheads are not feasible. Gearing Solutions gearheads are shock load resistant, cost-effective, and easily mounted.

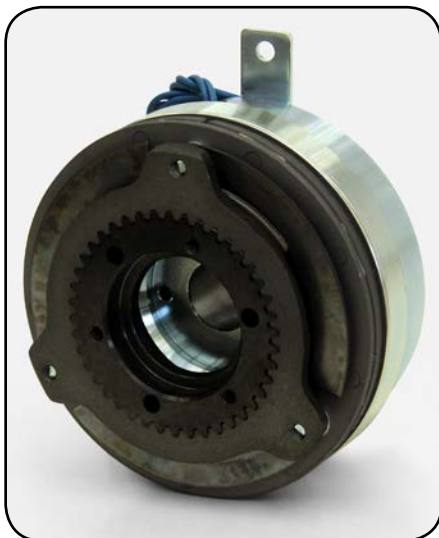
For more information:

Gearing Solutions
Phone: (440) 498-9538
www.gearingsolutions.com

Ogura Industrial

RELEASES MS SERIES CLUTCHES AND BRAKES TO NORTH AMERICAN MARKET

Ogura Industrial is pleased to announce a new addition to their product line. Although this product is not new to Ogura, it is new to North America. The MS series is finding new opportunities for machinery manufacturers in North America because of some of its unique features. The MS series is a complete line of clutches, brakes and combination clutch-brake units. There are eight sizes available ranging in torque from 9-738 lb ft. The key advantage with the MS series is that it can automatically adjust for wear. Once a clutch or brake is set in an application, the armature maintains the proper airgap so that time to speed or time to stop remains constant through the life of the unit. In addition to individual clutches and brakes, there is also a foot mounted version which is enclosed in a foot mounted housing with both double bearing input and output shafts, providing excellent overhung load capability.



For more information:

Ogura Industrial Corp.
Phone: (732) 271-7361
www.ogura-clutch.com

Stafford

SHAFT COLLARS SET UP RAPIDLY WITHOUT TOOLS

A line of quick release shaft collars with a mounting flat for securely attaching cameras, counters, optics, sensors and many other devices is available from Stafford Manufacturing Corp. of Wilmington, Massachusetts.

The Staff-Lok Shaft Collar features an integral hinge with a conformal cam lever and a knurled screw that provides fully adjustable clamping by hand

without tools. Featuring a mounting flat with a countersunk drilled and tapped hole and two mounting holes on the face, it permits the attachment of optics, sensors and other devices along with rapid setup and positioning.

Machined from steel with a non-glare black oxide finish, Staff-Lok Shaft Collars are ideal for use as clamps, stops



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For more information:
Stafford Manufacturing Corp.
Phone: (800) 695-5551
www.staffordmfg.com



Rexnord

BROADENS ITS IIOT SMART TAG SOLUTION OFFERING

Rexnord is pleased to introduce the Smart Coupling, part of its growing portfolio of connected products featuring the IIoT Smart Tag Solution. Its Coupling & Shaft Solutions products, including Elastomeric, Disc, Grid, and Gear Coupling products as well as Torque Limiters, are used in a variety of applications across numerous industries in the Energy, Industrial Equipment and Material Handling Sectors. These products provide excellent torque transmitting, vibration dampening, and high misalignment capacity, while enabling extended life to installed equipment such as industrial fans, boiler feed pumps, gas turbines, on/off-shore centrifugal compressors, automotive test benches, bulkhandling and paper mill drives, among others. Rexnord's offering of Smart Coupling products, as well as the recently launched line of Thomas 4-Bolt XTSR and XTSRLS products, were featured at the 2017 Turbomachinery & Pump Symposia in Houston TX, Dec 12-14. During this show attendees were able to discover the strengths of these new products while immersing in the user ex-

perience and capabilities deployed using the IIoT Smart Tag solution. Rexnord provides a range of connected products that offer a means to monitor critical parameters of your equipment, providing operational analytics that anticipate the failure of key components, increasing the performance of your system, prolonging the useful life of your equipment and avoiding catastrophic failures that result in costly production downtime. "Rexnord's portfolio of Smart Coupling and shaft management products with the IIoT Smart Tag Solution is bringing an increased level of connectivity to our customers and end-users," says Chino Imediegwu, Director Global Product Management. "As part of our strategic DiRXN initiative, this new capability enables us to deliver value to our customers throughout the product's lifecycle in totally new ways while increasing the ease of doing business and positioning Rexnord as the OEM of choice for their coupling and PT drive component solutions."

For more information:
Rexnord
Phone: (866) 739-6673
www.rexnord.com/couplings



Portescap

OFFERS LINEAR ACTUATOR WITH HIGH DEGREE OF ACCURACY AND REPEATABILITY

Portescap introduces the new 35DBM high power Stepper Can Stack Linear Actuator.

This 35 mm linear stepper motor offers an enhanced design ideal for applications demanding high linear force. The new 35DBM features an optimized magnetic circuit powered by high energy neodymium magnets. The 7.5 degree step angle provides finer incremental movement with a high degree of accuracy and repeatability.



With a holding force of 112N, the 35DBM stepper linear actuator is suited for use in applications such as auto injectors, laboratory automation, medical pipettes and valve actuation. Portescap's 35DBM high-force actuators are fully customizable for adaptor tips, stroke lengths, windings, flanges and end of motion detection sensors.

The 35DBM is available in captive and non-captive versions with various leadscrew pitch and winding options on Portescap's online motor selection tool, *MotionCompass*. They are manufactured in an ISO certified facility and are RoHS compliant.

For more information:

Portescap
Phone: (610) 235-5499
www.portescap.com

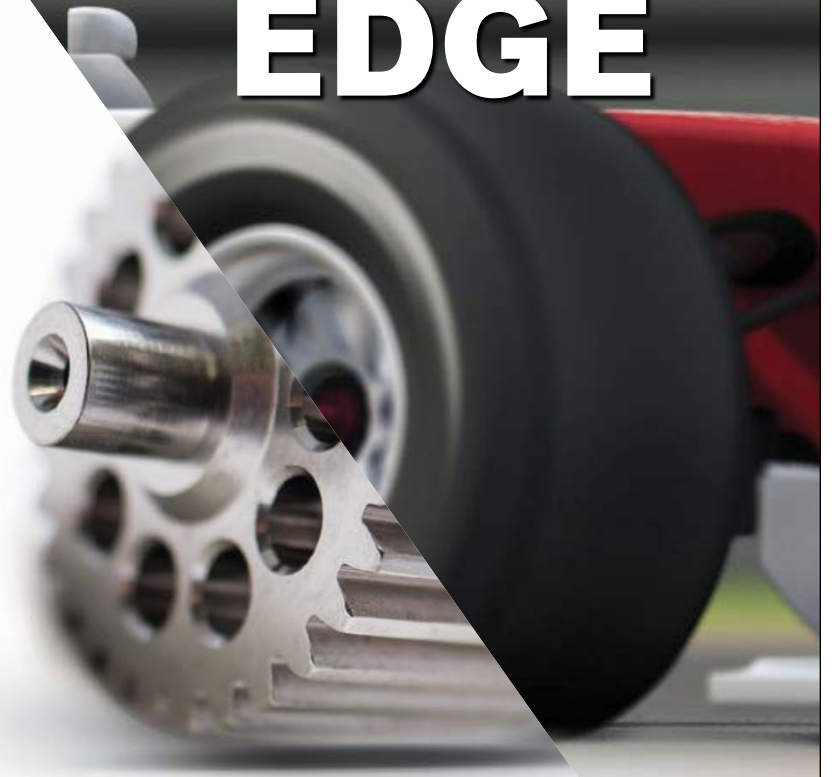
Steinmeyer

OFFERS A SELECTION OF MINIATURE BALL SCREWS

Steinmeyer recently announced a new program to stock a selection of miniature ball screws. The samples are available now for immediate shipment. The program involves stocking a selection of catalog designs that are mainly intended for use as prototypes for new customers. It is ideal for engineers needing miniature ball screws for early-stage development of precision



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machines, instruments and devices. Stock consists of diameter selections of 3 mm, 6 mm, 8 mm, and 12 mm, with a variety of pitches and lengths. Nut designs include threaded or cylindrical.

The miniature ball screw program includes the option to pay by credit card to enable engineers to purchase the samples with minimal effort.

“We want to make it as easy as possible for engineers to get their hands

on a Steinmeyer miniature ball screw,” said Bruce Gretz, executive vice president at Steinmeyer. “Once they feel the quality and workmanship, we are confident that they will be customers for a long time.”

For more information:

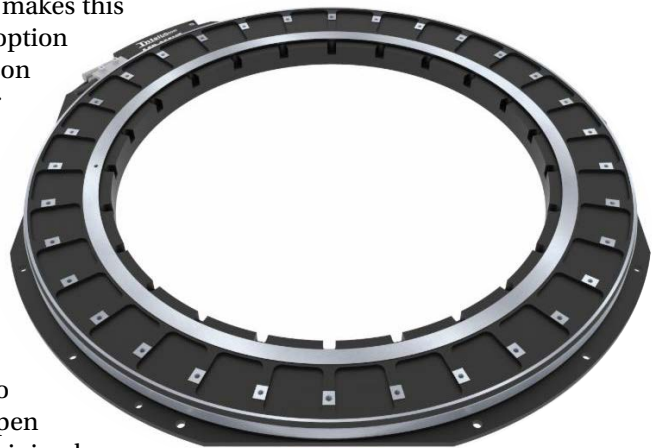
Steinmeyer, Inc.
Phone: (781) 273-6220
www.steinmeyer.com

Intellidrives

ULTRA-THIN DIRECT DRIVE ROTARY TABLES
OFFER DYNAMIC SPEED RANGE

The Intellidrives ACR-335UT precision rotation stage is a low profile rotary table with high-speed direct-drive rotary servo motor. The large 335UT mm center aperture and light-weight construction makes this rotary stage a suitable option for handling 300 mm silicon wafers for semiconductor processing.

ACR-335UT has very wide dynamic speed range and can move at sub-rpm speed with low velocity ripple and accelerate quickly to 300 rpm. This stage can be easily installed into IntelliDrives low profile open frame XY tables with a minimal stack-up height to minimize Abbe error.



These features make the ACR-335UT outperform the stability, acceleration and settling speed of traditional servo motor gear-driven mechanisms. IntelliDrives offers a wide range of servo amplifiers and advanced controllers to provide a complete, integrated package.

For more information:

Intellidrives, Inc.
Phone: (215) 728-6804
www.intellidrives.com

JW Winco

FLAT KNURLED THUMB SCREWS OFFER NUMBER OF ASSEMBLY OPTIONS

JW Winco, Inc. recently announced the offering of GN 653.2 Steel & Stainless Steel Flat Knurled Thumb Screws with Recessed Stud for Loss Protection.

The thumb screws, which are RoHS compliant, can be used to prevent loss of the thumb screw, due to the recessed portion of the stud. When using, instead of a typical tapped and bored hole, it is necessary to provide tapped bores with a thread on each of the two elements to be assembled. Additionally, a clearance bore on one or both sides is required.

Depending on the design and required clamping length of the component being attached, there are a number of assembly options. The steel knurled thumb screw body with a black oxide finish has tensile strength of class 5 and the visible face is fine turned. The stainless steel version is made of 303 stainless steel and comes with a matte, shot-blasted finish.

For more information:

JW Winco
Phone: (800) 877-8351
www.jwwinco.com



Zero-Max

ETP POWER SHAFT LOCKING BUSHING ENSURES FAST MOUNTING OF COMPONENTS

Zero-Max's ETP Power keyless connections can be used as the locking device in laminated floor manufacturing systems. They are also useful for locking into position gears, pulleys, sprockets and other components in automated machinery.

Handling torque ranges from 531 to 10,620 inch lbs. (60-1200Nm), these ETP Power shaft locking bushings from Zero-Max provide the highest radial load performance within the single screw ETP product line.

The ETP Power single radial screw design ensures fast mounting, repositioning and phasing of the components to the shafts. ETP Power positions in seconds and can be readjusted hundreds of times just as quickly and without any axial movement of the bushing or component along the keyless shaft. An Allen wrench is all that is required to mount and lock these bushings into place. They have sealed, clean lines that resist debris collection and clean easily without any special maintenance.

The ETP Power's single radial tightening screw provides a solid and precise connection between shaft and hub, unlike conventional shaft

locking bushings. It incorporates a double-walled sleeve filled with a pressure medium. When the actuation screw is tightened, the hydraulic pressure medium in the sleeve expands the double walled sleeve, forming a very tight, continuous connection between the shaft and mounted component. The bushing aligns precisely without axial movement as it is tightened.

The unique, single adjusting screw design makes the ETP Power superior to conventional mechanical locking bushings where numerous adjusting screws are needed. Tightening numerous screws creates axial movement of the bushing and is less precise.

Available in 15, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40 mm and 3/4", 1", 1 1/4" 1 1/2" and 1 3/4" shaft sizes. ETP Power bushings are applicable in new and retrofit applications, particularly in automated machinery applications.

For more information:

Zero-Max
Phone: (800) 533-1731
www.zero-max.com

