

Power Review

The Power Brands in Power Transmission

Altra Industrial Motion

Vol. 7 | No. 2 | 2018

NEW Videos Available!

The latest product solutions from Huco & Bauer Gear Motor

NEW



Huco Dynatork has built a test rig to demonstrate the efficiency gains of

PISTON AIR MOTORS

in comparison to

VANE AIR MOTORS.

This simulated liquid stirring application compares



Featured in this Edition...

Altra Provides Advanced Power Transmission Solutions for Outdoor Power Equipment Applications

Bauer Stainless Drives Take Over at Fish Processing Plant

Huco Piston Air Motors Out Perform Vane Air Motors

Boston Gear Rapid Response Delivery

NEW Warner Linear B-Track K4x Rugged Duty Actuator

NEW Compact Hydraulic Brake Packages for Single-Source Convenience



Find **Altra Industrial Motion** on:



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Altra Industrial Motion *The Power Of Experience*

Ameridrives

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Bibby Turboflex

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Formsprag Clutch

Guardian Couplings

Huco

Industrial Clutch

Inertia Dynamics

Kilian

Lamiflex Couplings

Marland Clutch

Matrix

Nuttall Gear

Stieber

Stromag

Svendborg Brakes

TB Wood's

Twiflex

Warner Electric

Warner Linear

Wichita Clutch

Altra Provides Advanced Power Transmission Solutions for Outdoor Power Equipment Applications

Altra Industrial Motion is a leading provider of advanced power transmission solutions for outdoor power equipment applications with industry-leading brands such as Guardian, Kilian, TB Wood's, Warner Electric and Warner Linear that provide OEMs with expectational drivetrain value by ensuring component compatibility and optimized performance. Whether a modified standard product or a customer solution is required, Altra provides extensive technical experience in outdoor power equipment and applications.

A new brochure (P-8561-C) is available that details Altra products used in these applications.

Products that keep outdoor power equipment running longer: Clutches/Brakes, Couplings and Driveshafts, Linear Actuators and Controls, Sheaves and Castings and Bearing Assemblies.

Types of machinery in which the products highlighted in the brochure are used: Riding and ZTR Mowers, Commercial and Residential Walk-Behind Mowers, UTVs and Log Splitters.

For more information about power transmission solutions for outdoor power equipment applications from Altra Industrial Motion including case studies, literature and service manuals, visit: www.AltraOutdoorPowerEquip.com.

For more information, download P-8561-C from www.AltraLiterature.com



Bauer Stainless Drives Take Over at Fish Processing Plant

Creating a reliable, efficient and robust processing line for a hygienic environment that can also operate at -43°C (-45°F) is no simple task. However, having found a solution that met so many requirements, one major international fish supplier chose to upgrade its conveyor drives to stainless steel variants to improve the mechanical resilience of the system.

Processing fresh fish requires a hygienic environment, regular washdowns and very low temperatures for freezing the final products. Keeping the whole process moving, while still offering low costs of ownership, requires specialist equipment that can endure the environment whilst providing reliable and efficient service. The solution for one leading international fish supplier came from Bauer Gear Motor, which has supplied the latest stainless steel gear motors for use throughout the company's facility in Urk, Netherlands.

For more information, download P-8579-BGM from www.AltraLiterature.com



Scan to watch the Bauer Video

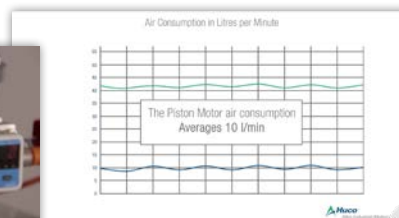


Huco Piston Air Motors Out Perform Vane Air Motors

You may have read a lot about how the Huco Piston Air Motors out perform Vane Air Motors, but now you can see the difference. Huco built a test rig to demonstrate the efficiency gain of piston air motors in comparison to vane air motors. The simulated liquid stirring application compares the air flow rate needed to deliver equal RPMs. The Piston Air Motor reduces air consumption by 75% compared to the Vane Motor.

The Benefits Of Piston Motors:

- Cost Efficient
- Clean
- Quiet
- Instant Start-Stop Control



Scan to watch the Huco Video



Boston Gear Rapid Response Delivery

A large vegetable grower and processor located in Northern California needed a double reduction speed reducer to replace a failed unit on one of its pepper processing machines. The equipment was critical to the plant's operation, so downtime needed to be kept to a minimum. The desperate customer quickly contacted his local Motion Industries branch for help. After obtaining the specifications of the worn gearbox, the Motion sales associate immediately called Boston Gear based on a previous history of exceptionally fast delivery. Since the original reducer was not a standard product, the Boston Gear engineering team quickly went to work to create a drawing for a custom, 700 Series double reduction speed reducer with a 1500:1 ratio. The customer then verified that the new gearbox design would fit in their application based on Boston's specs and dimension drawing.

To help the customer even further, the Boston Gear team took the time to prefill the oil so the unit was ready-to-use upon receipt. It is a bit challenging to get the correct amount of oil in a double reduction reducer since the oil needs to pass slowly from the prefix to the secondary housing. The difficulty was enhanced due to the large size of the unit.

- Custom double reduction reducer
- 1500:1 Gear ratio
- 2-Day shipment
- Exclusive Stainless Bost-Kleen (SBK) washdown coating
- Oil prefilled prior to shipment



For more information,
download P-8556-BG
from www.AltraLiterature.com



NEW Warner Linear B-Track K4x Rugged Duty Actuator

Warner Linear is proud to announce a new B-Track K4x Rugged Duty Actuator. The B-Track K4x actuator provides the highest load rating in its class and incorporates all the base K2x features with a ball nut screw for a 4,000lb (17760 N) load capacity within a compact package size whereas the K2x model provides load capabilities up to 2800 pounds (12455 N).

Ideal for applications that involve mobile off-highway equipment, deck and implement lifts for tractors and mobile applications, solar panels and scissors and dump box lifts, the B-Track K4x Rugged Duty Actuator is well suited for the most demanding applications where an alternative to hydraulic or air cylinders is needed or where hydraulic power sources are not available.

Exemplary B-Track K4x features include:

- Protective coatings and O-ring seals
- Heavy wall construction
- Maximum speed of 0.32 inches (8.1 mm)/second when traveling at full load
- Ball detent overload clutch
- Double ball bearing motors and heat-treated gears



For more information, download
P-8165-WL & P-8482-WL from
www.AltraLiterature.com



NEW Compact Hydraulic Brake Packages for Single-Source Convenience

Twiflex, a global leader in innovative braking solutions, has launched a range of compact hydraulic brake packages, which are designed to meet the challenging braking requirements experienced in a wide variety of industrial applications.

The standard brake packages, comprising Twiflex spring applied, hydraulically released caliper brakes and state-of-the-art compact hydraulic power units (Twiflex type LCS), are pre-assembled onto specially designed pedestals for ease of mounting and installation. The brake packages can be further customized to meet specific customers' requirements.

The high-specification hydraulic power unit features a fully-integrated hand pump for manual release of the brake in the event of power failure, pressure gauge and built-in terminal box to simplify the electrical connection.

Key features of the Twiflex hydraulic brake packages include the compact dimensions, addressing applications with limited space available. A wide range of braking force ratings provide superior performance in applications as diverse as elevators, gantry cranes, winches, amusement rides, conveyors, metal processing lines and ski lifts. In addition, the integrated nature of the Twiflex solution ensures component compatibility and optimized performance, while minimizing the installation time and maintenance burden.



For more information, download P-8454-TF
from www.AltraLiterature.com



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Bauer Motors Deliver Cost-Effective and Greener Wastewater Treatment

The treatment of water and wastewater is an essential task to protect our water resources and reduce our impact on the environment. However, the energy resources required to carry out such treatment processes also have an impact on the environment; not to mention an impact on the wallet as energy prices continue to rise.



Stromag Modified Periflex® CR Shaft Coupling for Dredging System

A major manufacturer of dredging systems needed a reliable coupling solution with a small footprint for use on a new dredging vessel platform. The system features a 1200 HP diesel engine that drives a complex, custom-designed, eight-pad gearbox with primary output to a two-speed clutch that drives the system's main pump, as well as hydraulic pump pads to operate a crane and auxiliaries.



Power Transmission Solutions for the Forklift Truck & Electric Vehicle Market

Altra Industrial Motion, with its industry-leading brands Guardian Couplings, Huco, Matrix, Stromag, Warner Electric and Warner Linear provide a full range of traction motor and load wheel brakes as well as customized solutions to meet specific performance and installation requirements.

Altra OnDemand Webinars



OnDemand Webinars:

- Altra Refinery Applications
- Factors To Consider When Selecting A V-Belt Drive
- Factors To Consider In Coupling Selection
- Load Holding Brake Solutions: High Capacity Systems
- Open Gearing Capabilities: Standard & Custom
- Helping Us Help You: Product Identification
- IP Ratings: Where It Matters & How We Address It
- Warner Linear Product Launch – Introduction To H-Track
- Factors to Consider in Linear Actuator Selection
- New TB Wood's Sure-Flex Plus® Savings Calculator
- Centrifugal Clutches: Applications and Selection

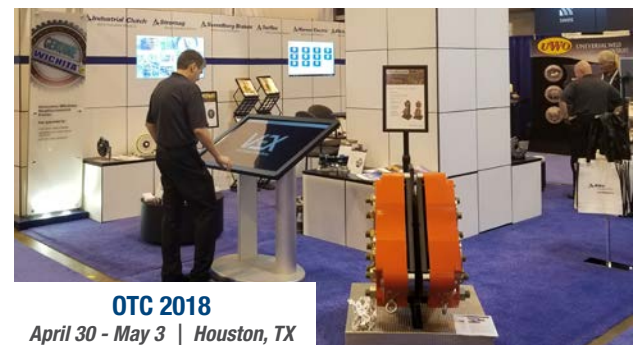
For more information, visit www.AltraWebinars.com

Upcoming North American Tradeshow

2018 Shows

GPS	Calgary, Canada	Jun 12-14, 2018
Turbomachinery	Houston, TX	Sep 18-20, 2018
NAEC	Atlantic City, NJ	Sep 24-27, 2018
WEFTEC	New Orleans, LA	Oct 1-3, 2018
GIE+EXPO	Louisville, KY	Oct 17-19, 2018
Pacific Marine Expo	Seattle, WA	Nov 17-19, 2018
International Work Boat Show	New Orleans, LA	Nov 28-30, 2018
Power-Gen	Las Vegas, NV	Dec 04-06, 2018

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



OTC 2018

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