

THE LEADING BRAND NAMES OF ALTRA WIND TECHNOLOGY CAN OFFER EXPERTISE IN **CUSTOM PRODUCT** SOLUTIONS FOR A WIDE VARIETY OF WIND POWER APPLICATIONS.

As the world's demand for wind power grows, the infrastructure and equipment necessary to produce and distribute it will come under increasing pressure to perform.

With manufacturing facilities in the US, Europe, China and South America, the companies in the Altra Wind Technology family can provide support to wind turbine OEMs worldwide. Many Altra solutions and plants are GL (Germanischer Lloyd) and DNV (Det Norske Veritas) certified.



As a leading multinational designer, producer and marketer of a wide range of electromechanical power transmission products, Altra offers products utilized in wind turbine applications where reliability and accuracy are necessary to avoid costly downtime, assure safe operations and consistent production output.



Blade Pitch Brakes By Matrix and Warner Electric

ERS Series and 1 EB Series are electricallyreleased, spring-set brakes that offer a high-performance, cost effective solution for applications that require both "static" holding power and the ability to withstand high inertia dynamic stops in an emergency situation.

By Ameridrives

Ameriloc hydraulic (HLD) and mechanical (MLD) locking devices are custom-egnineered for a lightweight, high torque connection between the turbine main shaft and gearbox. Units are domestically manufactured for wind turbines rated up to 3 MW.



Yaw Brakes

By Twiflex and Svendborg Brakes

A range of brake solutions for installation on yaw drive or directly on yaw ring. Models are available with spring-applied or direct actuation. State of the art yaw systems specifically designed and developed through significant R&D and testing investment for all modern medium and large wind turbines.

Svendborg Brakes yaw systems reduces noise, stress, peak, wear and service, and are documented for 20+ years of life time.

www.altramotion.com P-1832-CM





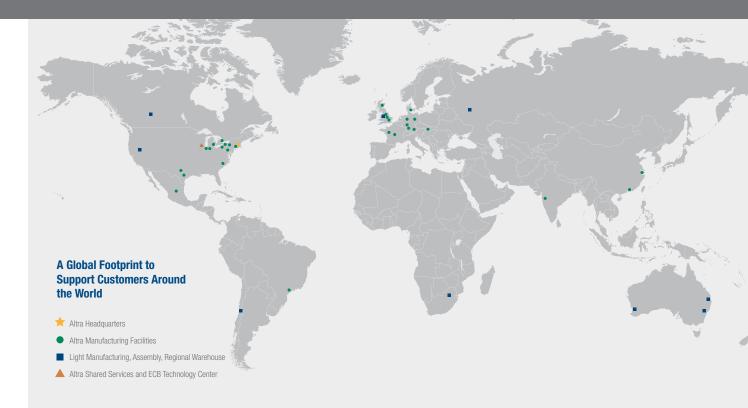
High Speed Shaft Couplings By Ameridrives

Ameridrives provides custom-designed, lightweight couplings that are capable of transmitting high torques at high speeds while accepting significant levels of angular, radial and axial misalignment. Units require no lubrication and can be supplied with composite materials for electrical insulation.

By Twiflex and Svendborg Brakes

Caliper disc brake solutions for dynamic, parking, and emergency stopping duty, in standard and floating configurations.

Engineered to handle large output torque generated by high turbine gearbox ratios. Some of the key benefits are turbine failure control system, service department monitoring and remote control operation. Svendborg Brakes rotor locks are in operation in thousands of wind turbines around the world in cost saving maintenance solutions.



The Brands of Altra Industrial Motion

Couplings

Ameridrives www.ameridrives.com

Bibby Turboflex www.bibbyturboflex.com

Guardian Couplings www.guardiancouplings.com

www.huco.com

Lamiflex Couplings www.lamiflexcouplings.com

Stromag www.stromag.com

TB Wood's www.tbwoods.com

Geared Cam Limit Switches

Stromag www.stromag.com

Electric Clutches & Brakes

Inertia Dynamics www.idicb.com

Matrix

www.matrix-international.com

Stromag www.stromag.com

Warner Electric www.warnerelectric.com

Linear Products

Warner Linear www.warnerlinear.com

Engineered Bearing Assemblies

Kilian www.kilianbearings.com

Heavy Duty Clutches & Brakes

Industrial Clutch

Twiflex

www.twiflex.com

Stromag www.stromag.com

Svendborg Brakes www.svendborg-brakes.com

Wichita Clutch

Belted Drives

TB Wood's www.tbwoods.com

Gearing

Bauer Gear Motor www.bauergears.com

Boston Gear www.bostongear.com

Delroyd Worm Gear www.delroyd.com

Nuttall Gear www.nuttallgear.com

Overrunning Clutches

Formsprag Clutch www.formsprag.com

Marland Clutch

Stieber www.stieberclutch.com



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