



The Ultimate in Positioning Control

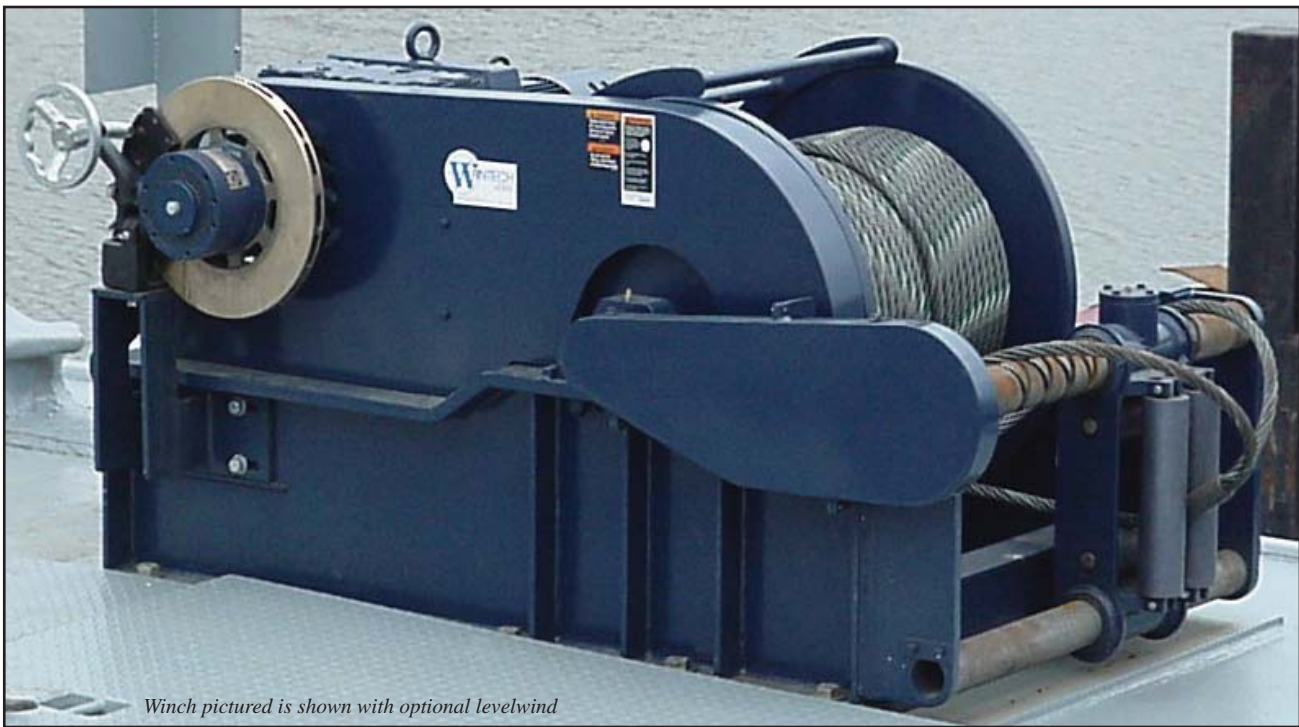


Made in the USA

Starting, moving, and stopping 2,000 ton barges with control and safety can be a challenge. Wintech Barge Moving Systems feature the latest in winching technology. Wintech's proven system designs allow for smooth acceleration and deceleration of barge movement. Line speeds are infinitely variable from zero to maximum speed. Ramping up and down of speed reduces shock loading on the winches and rigging, thus minimizing potential for winch damage and cable breakages. A unique mechanical drag brake offers controlled tension on the tailing winch, reducing slack cable. Winches are fully electric with no environmentally unfriendly hydraulic components.

Winch System Operation

The Wintech Barge Moving System is the ultimate in barge moving controllability. A typical system consists of two winches, a 36" x 48" NEMA 4 enclosed drive cabinet, and an operator control console. Electrical cabinet and control consoles may be mounted and used indoors or outdoors. Variable Frequency Drive Technology gives the winch system the ability to slowly accelerate to desired movement speed and slowly decelerate to a safe stopping speed. Another feature of the system is a selector switch for Manual and Auto Modes. In Manual Mode the operator can control each winch individually while securing and pre-tensioning rigging. Once the cables are tightened the operator can then switch to Auto Mode. In Auto Mode the operator controls movement of the barge upstream and downstream via a single joystick. A speed control knob allows adjustment of system speed from 0 to the maximum rated system speed via a single control knob. Maximum speeds can be customized to suit specific customer requirements. Each winch is equipped with a bronze disc-type drag brake and manually adjustable caliper for controlled tail tension during pulling operations.



Winch pictured is shown with optional levelwind

Winch Controls

Winch controls are **simple** and easy to understand. Each system comes standard with a single operator control console. For control station flexibility systems can be offered with an additional operator console or with wireless remote controls that can be used by a crane operator or dock personnel. Both hard-wire and radio controls offer identical control features. All controls are rated for NEMA 4 wash-down proof protection.

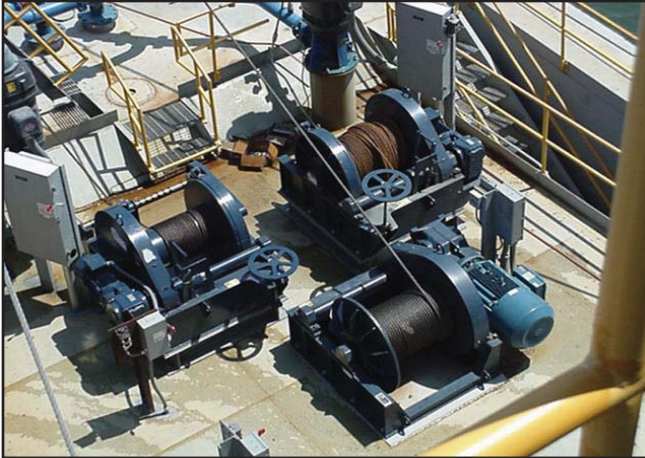


Similar systems are also available for Rail Car Spotting Applications.

Wintech Barge Moving Systems offer the ultimate in control, safety, and flexibility. From simple, single barge spotting applications to multiple barge, high production loading applications. They are designed to provide years of reliable operation and dependable service for your barge positioning requirements.

Winches

Typical winch capacities range from 10,000 lbs through 35,000 lbs continuous linepull, though custom capacities are also available for unique applications. All winches are constructed from extra heavy duty materials, utilize a minimum number of moving parts and are designed for low maintenance and long service life. Standard winch features include greasable tapered roller bearings, fabricated steel frame and drum, high efficiency parallel-helical gear reducer, fail-safe spring applied holding brake, and heavy duty mechanical hold-back tensioning brake. Winch frames are equipped with base mounting holes, allowing winches to be either bolted or welded into place.



Sheaves, Blocks & Fairleads

Wintech offers a wide range of high quality standard and custom designed sheaves, blocks and fairleads for any barge moving application.



Options Available



- Radio Remote Control Packages
 - Automatic Levelwinds
 - Wire Rope Pre-Installed
- Load Travel Limit Switches
- Multiple Control Stations
 - Custom Voltages



Wintech can customize a system to meet your specific application needs. In fact, that's our specialty!

Wintech has been designing and manufacturing Barge Positioning Systems for many years. Companies from all over the United States inland river system, coastal waterways, and other countries rely on the efficiency, safety and dependability of our systems. Chances are there is a system near you. If you would like additional information on Wintech Barge Positioning Systems or if you have an interest in visiting an existing installation to see for yourself we are eager to assist you.



Wintech International, LLC
5319 Shreveport-Blanchard Hwy.
Shreveport, LA 71107
P: 318.929.1242 • F: 318.929.1245
www.wintech-winch.com