



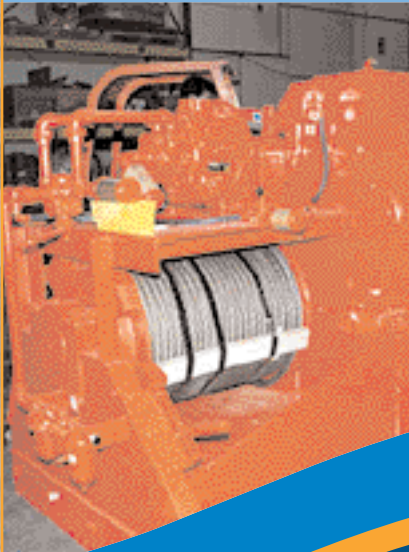
APPLETON MARINE, INC.

Custom Manufacturing. Absolute Quality.

CRANES



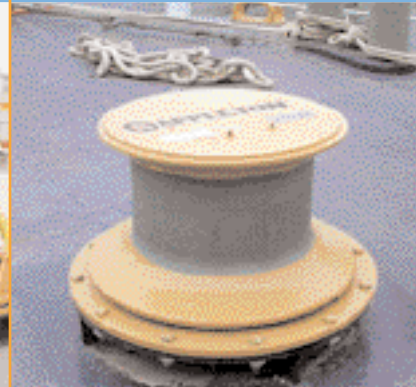
WINCHES



WINDLASSES



CAPSTANS



COMMERCIAL MARINE • OFFSHORE OIL • GOVERNMENT • CUSTOM APPLICATIONS

Custom Manufacturing. Absolute Quality.

Appleton Marine has continued to supply custom marine deck machinery and systems since 1971. Included are a wide variety of cranes, winches, windlasses, capstans, hose reels, fairleads, Navy UNREP equipment and special systems.

Custom Manufacturing.

Whatever the need, whatever the contract specification, Appleton Marine can design, manufacture and deliver it. With its "Diversified Problem Solving," Appleton Marine welcomes special requests and is experienced in adapting or creating products for new or unique applications.

Absolute Quality.

Whether you're on the equator or in the arctic, at a port in Guam or miles from shore, in frozen darkness or broiling sun, you can count on Appleton Marine products to deliver unwavering performance in unforgiving conditions. With time and resources at stake, it is comforting to know that Appleton Marine engineers and manufactures its products to possess the absolute, highest quality.

Appleton Marine Quality Policy

Our goal is continual improvement in product quality and customer satisfaction. We are committed to producing the absolute highest quality products efficiently, competitively, on time and in accordance with all contract specifications and terms. We will continue to seek and apply the newest ideas and best methods to improve our products and service.



APPLETON MARINE, INC.

Custom Manufacturing. Absolute Quality.

Quality Assurance Plan – Registrations and Certifications

Appleton Marine Quality Assurance Plan: Granted registration and certification to the international standard ISO 9001:2000; licensed by the American Petroleum Institute (License No. 2C-0002) to apply their monogram to cranes designed, manufactured and tested in accordance with API Spec2C for Offshore Cranes, and received approvals for compliance with API-Q1, MIL-I-45208, MIL-Q-9858, and MIL-STD-45662; granted certification for requirements compliance with numerous international regulatory bodies; the American Bureau of Shipping (ABS) and the U.S. Coast Guard design criteria constitute the basis for all Appleton Marine products.



**ISO 9001: 2000
REGISTERED**

Industries Served

Appleton Marine designs and manufactures marine offshore and shipboard products — providing problem solutions for commercial marine, offshore oil, and government industries. The unique needs of these industries, as well as special applications for mining, construction, and the military, are served through Appleton Marine's "Diversified Problem Solving" and custom manufacturing approach.

Commercial Marine



Government



Offshore Oil



Custom Applications (Mining, Construction, Military)



Cranes

Straight (Box) Boom Cranes

Appleton Marine designs and manufactures a full line of marine cranes. However, due to the varied needs of the marine market, "standard" cranes often cannot fill specific requirements. In response, through its "Diversified Problem Solving" approach, Appleton Marine routinely adapts and customizes cranes with boom styles, capabilities and available options to meet customers' exact needs.

- Commercial and government shipboard applications
- Platform, FPSO, FSO and dockside installations
- Suitable for cargo, hose, boat, RHIB, ROV and personnel handling
- Specify load, radius, boom length, speed, power supply and location/type of controls

Straight (Box) Boom cranes offer maximum load capacity-to-weight ratio. Their simple design translates to lowest cost and quickest delivery.

Floating Production Storage Offloading (FPSO) Maintenance Crane



Offshore Maintenance Crane



Offshore Maintenance and Provisioning Crane



Boat and Aircraft Crane for U.S. Navy

Cranes

Telescoping Boom Cranes

Telescoping Boom cranes reduce deck space and stowage requirements without sacrificing outreach. Single or multiple section telescopic cranes offer outstanding inreach while minimizing topping height.



Cargo and Stores Handling Crane outfitted for operation in Antarctica



RHIB Handling Crane on USCG patrol boat



Army Corp of Engineers Lock and Dam Maintenance Crane



USCG WLB "B-Class" Buoy Handling Crane

Provisioning Crane for aircraft carrier



DIVERSIFIED PROBLEM SOLVING:

Whatever the need, whatever the specification, Appleton Marine can design, manufacture and deliver it.

Cranes

Knuckle Boom Cranes and Folding Boom Cranes

Knuckle Boom cranes maximize the operator's ability to position loads while minimizing that load's pendulum influence.

Folding Boom cranes minimize deck space and stowage requirements while offering exceptional outreach.



In-plant testing of a self-contained electro-hydraulic towing crane with electro-mechanical cable on a U.S. Navy oceanographic vessel. A telescoping section is incorporated into the jib boom.

Folding Boom Maintenance Crane during installation



Knuckle Boom Stores and Maintenance Crane for FPSO Marlim Sul



Articulated Boom Crane for handling pneumatic evacuation system for dry bulk materials



Knuckle Boom Crane during factory list test



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Mooring

Offshore Mooring Systems

Mooring systems that stand up to demanding environments such as those for the offshore oil industry, represent yet another of Appleton Marine's diverse capabilities. Designed in accordance with (or certified to, as appropriate) ABS, BV, Lloyds, DNV, and others — Appleton Marine will satisfy your requirement.

- Single and Dual Windlasses
- Pendant Line Winches
- Chain and Wire Rope Fairleads
- Overboarding and Underwater Fairleads
- Chain Stoppers
- Mooring Winches
- Towing Winches



320 MT Pull-in Winch



33 T Winch and Capstan with HPU



250 MT Anchor Pre-tensioning Winch



32 MT Spooling Winch

DIVERSIFIED PROBLEM SOLVING:

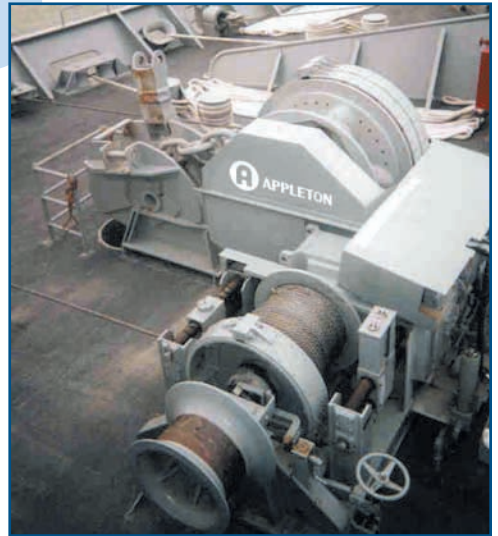
Whatever the need, whatever the specification, Appleton Marine can design, manufacture and deliver it.

Mooring

Shipboard Mooring Systems

Appleton Marine designs and manufactures mooring systems for applications ranging from the most simple to the most demanding. All designs are governed by regulatory agencies including ABS, BV, Lloyds, DNV and U.S. Coast Guard.

- Constant Tension Mooring Winches
- Combination Mooring Winch/Anchor Windlasses
- Single and Dual Wildcat Anchor Windlasses
- Vertical Anchor Windlasses
- Combination Anchor Windlasses/Capstans
- Electric and Hydraulic Mooring Winches
- A complete line of Deck Fittings



Combination Anchor Windlass Mooring Winch



Horizontal Anchor Windlass



Powered Mooring System for USCG Great Lakes Ice Breaker



Constant Tension Variable Frequency Drive Winch



Mooring



Electric Controlled Hydraulic Combination Anchor Windlass/Capstan



U.S. Navy "AOE" Vessel Vertical Mooring Capstan

Horizontal Mooring Winch/Capstan



Cross Deck Winch for USCG WLM —
6,000 lb working load



DIVERSIFIED PROBLEM SOLVING:

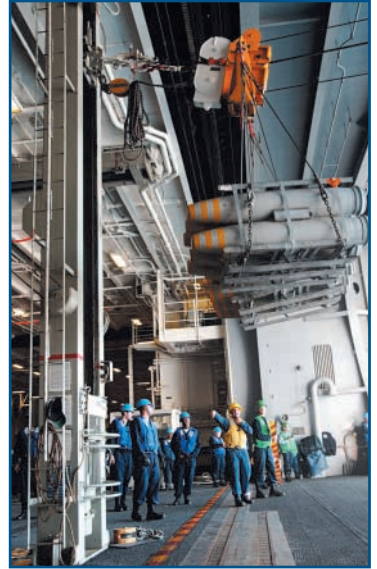
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Government

Government Equipment

Appleton Marine's "Absolute Quality" policy, precision manufacturing, and professional contract management enable it to continue to meet the U.S. Government's demanding quality requirements for manufacturing procedures, material control and rigid testing standards.

- Underway Replenishment Equipment (UNREP)
- Amphibious Bulk Liquid Transfer Systems (ABLTS)
- Auxiliary UNREP Gear including trolleys, missile STREAM strongbacks, sheaves, slings, hose assemblies, fittings, etc.



Sliding Padeye, Strongback, Traveling Surf and Trolley with Sheave Assembly



Amphibious Bulk Liquid Transfer System (ABLTS)

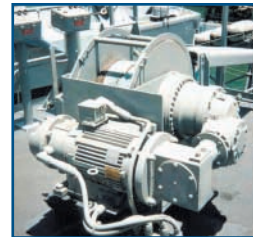


Anti-slack Device

Spanwire Winch



Slewing Arm Davit

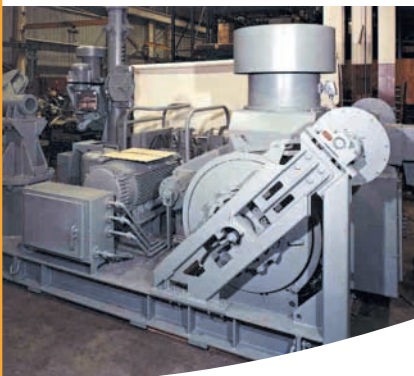


Topping Winch

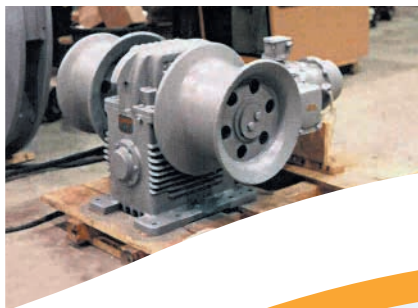


Saddle Winches

Hauling Winch



Gypsy Winch



Double Drum Air Clutch Hauling Winch



Cargo Drop Reels



Testing

Full Line of Supporting Products

Appleton Marine offers a variety of products to support and complement all product categories. If you don't see it here, please ask – it's likely already offered or we can design, engineer and build it to meet your exact needs.



Crane and Winch Radio and Chestpak Remote Controls



Electro-Hydraulic Power Unit for USCG Buoy Tender



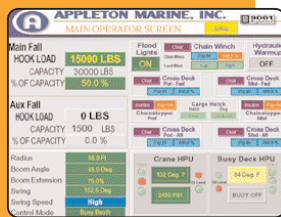
Diesel-Hydraulic Power Unit



Explosion-Proof Electro-Hydraulic Power Unit (Available with Fire and Gas Safety System)



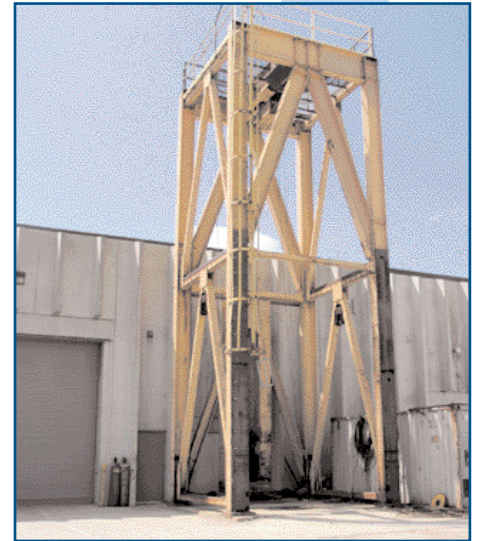
Operator Cab with AC



Crane and Deck Equipment Load Monitor Display Screen

Winch Testing

Simulating the most challenging shipboard working conditions, Appleton Marine tests all winch functions and capabilities to the limits of their design specifications. A Test Certification Report is supplied with each winch, verifying the performance and overload levels attained.



Winches are tested for loads up to 250,000 lbs using Appleton Marine's winch test tower.

Crane Testing

Every Appleton Marine crane is pushed to the limits of its design specifications to comply with customers' most rigid testing standards. Performance and overload levels attained during testing are verified on the Test Certification Report supplied with each crane.



Appleton Marine's crane test platform can test cranes rated up to 10 million ft-lbs overturning moment and 15° list.

Field Service and Inspection

Any time, day or night, anywhere in the world, Appleton Marine offers skilled service fast. Our highly qualified personnel offer repair, maintenance, inspection and certification services.



Appleton Marine's service personnel provide service when you need it, where you need it.



Even the most challenging jobs are performed safely and skillfully by Appleton Marine's field engineers.



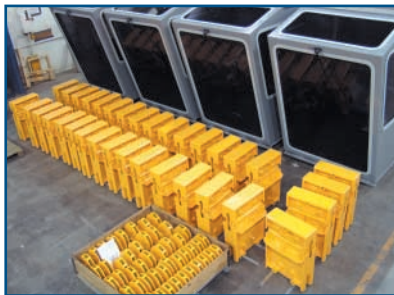
Appleton Marine's repair and maintenance service gets you running and keeps you running.

Spare Parts Inventory

Replacement parts are often needed as quickly as possible. Appleton Marine stands ready with an extensive inventory of the parts you need and the ability to deliver them without delay.



Appleton Marine has the parts you need to keep you in operation.



Appleton Marine manufactures custom and government products and components in quantity for economy of scale and improved availability.



An extensive parts inventory ensures customer convenience and productivity.



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