More performance.
More options.
More value.
We can supply a stock unit, modify a standard model or design and manufacture a completely custom product for your application. Our Columbia Winches & Hoists meet hundreds of pulling and lifting requirements.

Power choices include AC electric, DC electric or pneumatic motors, plus an ever-expanding variety of options and modifications. With an extensive range of capacities, drum sizes and gear ratios, Columbia Winches & Hoists are the standard for lifting and pulling applications.

Designed, assembled and tested in Oregon.

See our full line at: www.alliedpower.com
INDUSTRIES WE SERVE

You will see Columbia products hard at work in every facet of industry where lifting and pulling challenges require specific solutions.

Logging/Forestry
Our hydraulic yarding systems expand production, integrating machine hydraulic systems and cab-mounted electrical control consoles, each tailored to its specific application.

Aerospace/Defense
From small DC davit hoists to synchronized lifting systems with capacities exceeding one thousand tons, Allied Power Products, Inc. has met the specific requirements of all US military branches for more than 30 years.

High-Lift
Wind towers, smoke stacks, and tower erection all benefit from our custom approach to designing systems with high weight and cable capacity, explosion proof requirements, and a choice of power sources.

Arts & Entertainment
From lifting lighting, speaker racks and scoreboards, to positioning set components, our hoists provide both precision and control, meeting the performance and safety requirements of these very specialized applications.

Construction
From commercial glass installation, positioning pre-fabricated stair sections to installing elevators, our unmatched selection of base-mounted hoists and custom units get jobs done faster with less manpower.

Agriculture

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Agriculture

Marine
Needing to perform reliably in some of the harshest of environments, we offer a variety of specialized winching and hoisting equipment to meet the tough demands of commercial fishing, marine construction and marine research.

Mining
When downtime equals millions in losses, APPI consistently provides solutions for the problems associated with conveyor positioning, maintenance, and tensioning, as well as cable reeving applications.

Tractor Systems
Line pulls to more than 100,000 pounds and precise inching capability while paying cable in or out, our Columbia hydraulic tractor winches have no equal for power and control. It is possible to tailor a winch package to fit virtually any tractor or application.

Utilities
APPI can provide custom Columbia hydraulic and pneumatic units ideal for any application where ignition of any kind can spell disaster. We design solutions for oil and gas, waste management and pipe-bursting applications that will meet your requirements.

STANDARD AC ELECTRIC HOISTS Rated to 64,000 lbs.

HD SERIES
Rated to lift up to 2000 lbs with speeds up to 21 fpm.

HF SERIES
Rated to lift up to 4700 lbs with speeds up to 20 fpm.

HG SERIES
Rated to lift up to 5600 lbs with speeds up to 8 fpm.

HL SERIES
Rated to lift up to 15,000 lbs with speeds up to 25 fpm.

HU SERIES
Rated to lift up to 21,000 lbs with speeds up to 30 fpm.

HV SERIES
Rated to lift up to 28,000 lbs with speeds up to 29 fpm.

HW SERIES
Rated to lift up to 40,000 lbs with speeds up to 23 fpm.

HX SERIES
Rated to lift up to 64,000 lbs with speeds up to 37 fpm.

CERTO SERIES
Rated to lift up to 9400 lbs with speeds up to 21 fpm.

HW SERIES
Rated to lift up to 40,000 lbs with speeds up to 23 fpm.

HX SERIES
Rated to lift up to 64,000 lbs with speeds up to 37 fpm.

CERTO SERIES
Rated to lift up to 9400 lbs with speeds up to 21 fpm.

STANDARD FEATURES
- Rated for vertical lifting
- Spring applied, electrically released brakes
- Totally enclosed geartrain
- Simple base-mount installation
- Durable domestic motors
- High-efficiency reduction
- TEFC UL-listed brakemotors

See our full line at: www.alliedpower.com

**STANDARD AC ELECTRIC WINCHES**

Our AC electric winches share most of the major components of Columbia hoists but are rated for pulling.

**WD SERIES**
Rated for up to **2400 lbs** line pull with speeds up to **17 fpm**.

**WF SERIES**
Rated for up to **7000 lbs** line pull with speeds up to **20 fpm**.

**WG SERIES**
Rated for up to **11,000 lbs** line pull with speeds up to **12 fpm**.

**WK SERIES**
Rated for up to **17,000 lbs** line pull with speeds up to **6 fpm**.

**WN SERIES**
Rated for up to **20,000 lbs** line pull with speeds up to **25 fpm**.

**WR SERIES**
Rated for up to **40,000 lbs** line pull with speeds up to **7 fpm**.

**OPTIONS**

We can customize these units to your specific needs and requirements with an array of options.

- Hammerhead Trolleys
- Manual Overhead Trolleys
- AutoAdvance Line Spoolers
- Strap drum conversions
- Explosion-proof ratings
- Cable tensioners
- Electric control options
- Lagged, grooved and divided drums

- Wire rope, sheaves, snatch blocks and other rigging
- Quick-mount brackets
- Limit switches
- Overload protection circuits
- Amphenol connectors
- Washdown and marine ratings
- Epoxy overcoating
STANDARD PNEUMATIC HOISTS  Rated to 15,000 lbs.

HD SERIES
Rated to lift up to 2000 lbs
with speeds up to 37 fpm.

HF SERIES
Rated to lift up to 3150 lbs
with speeds up to 33 fpm.

HG SERIES
Rated to lift up to 5000 lbs
with speeds up to 21 fpm.

HL SERIES
Rated to lift up to 15,000 lbs
with speeds up to 13 fpm.

STANDARD FEATURES
• Rated for vertical lifting
• Spring applied, pneumatically released brakes
• Totally enclosed geartrain

• Simple base-mount installation
• Dependable vane motor
• High-efficiency reduction

See our full line at: www.alliedpower.com
Standard pneumatic winches share most major components with our hoists but are rated for pulling.

**STANDARD PNEUMATIC WINCHES**  Rated to 40,000 lbs.


We can customize these units to your specific needs and requirements with an array of options.

- Hammerhead Trolleys
- Manual Overhead Trolleys
- AutoAdvance Line Spoolers
- Strap drum conversions
- Explosion-proof ratings
- Lagged, grooved and divided drums
- Cable tensioners
- Wire rope, sheaves, snatch blocks and other rigging
- Quick-mount brackets
- Limit switches
- Epoxy overcoating
- A variety of control options

**WD SERIES**
Rated for up to 2700 lbs line pull with speeds up to 17 fpm.

**WF SERIES**
Rated for up to 6300 lbs line pull with speeds up to 21 fpm.

**WG SERIES**
Rated for up to 10,000 lbs line pull with speeds up to 13 fpm.

**WN SERIES**
Rated for up to 20,000 lbs line pull with speeds up to 25 fpm.

**WR SERIES**
Rated for up to 40,000 lbs line pull with speeds up to 7 fpm.
OVERHEAD TROLLEYS

Our trolleys are designed to work specifically with our HD, HF and HG Series hoists.

- Low friction bearings are used throughout to ensure efficient operation and ease of movement.
- Chain and power drive options are available for all of our trolleys.
- 1, 3 and 5 ton standard capacities.
- Higher capacities available upon request.
- Custom designs can be provided upon request.

HAMMERHEAD TROLLEYS

A Columbia Exclusive

- When used with one of our Columbia base-mounted hoists, the low weight of these trolleys allows for a higher net load at the hook than a conventional overhead hoist.
- No need for power at the trolley.
- The compact design of the trolley allows for greater hook height.
- 1, 3, 5, 7½ and 10 ton standard capacities.
- Custom designs can be provided upon request.
AUTOADVANCE LINE SPOOLERS

An innovative system using carefully arranged components, driven by line tension to create perfect line spooling onto a drum.

- AutoAdvance Line Spoolers (AALS) eliminate the need for a fixed sheave precisely located in relationship to the drum.
- Make it possible for an incoming line to move up and down, left and right and rotate a full 360 degrees around the spooler without affecting spooling.
- Do not have the parasitic power losses, component timing problems or maintenance requirements associated with typical level wind devices.

STRAP DRUM CONVERSIONS

Hoist capacities up to 5600 lbs. and winch capacities up to 11,000 lbs. allow versatile load handling without the limitations of wire rope or chain.

- Easier to handle, inspect and install than most hoists.
- Eliminates load rotation problems associated with wire rope and chain.
- Unlike wire rope, straps wind smoothly without long lead distances to the drum.
- Straps do not require lubrication nor do they “jagger”, chip or spark.
STANDARD DAVIT CRANES

With lifting capacities from 400 to 2,000 lbs.

- Fabricated steel construction
- Integral swing handle
- Headache ball
- Upper limit switch
- Easy assembly
- Mounting base included
- AC, DC, Hydraulic and Pneumatic hoist options
- Custom designs can be provided upon request

OPTIONS

Make sure your unit functions exactly as you need it to.

Electric Control Options
- Two-Button Low-Voltage Pendants in NEMA 4X, NEMA 6, and other ratings
- Speed Potentiometer or E-stop
- NEMA 4 wall mount with keyed switch
- Available for hazardous locations

Four-Roller Fairleads
- High strength steel rollers
- Nylon bushings provide excellent roller life and smooth cable retrieval
- Strong welded frame
- Powder coated epoxy paint

Vertical Lead Sheaves
- Fabricated steel construction
- Simple installation at any angle
- Nylatron and steel sheaves available
- Bolt on limit switches available
- Custom sizes available

Cable Tensioners
- Helps prevent wire rope from tangling when free-spooling
- Assists in giving more uniform spooling of wire rope on the drum

Horizontal Lead Sheaves
- Fabricated steel construction
- Simple installation at any angle
- Nylatron and steel sheaves available
- Custom sizes available

Explosion-Proof Ratings
- For use in extreme conditions
- Explosion-proof rated controls
- Several explosion-proof rated motors

See our full line at: www.alliedpower.com
CUSTOM UNITS

If one of our standard Columbia models does not fit your needs, we can design and build a custom unit that meets your exact application requirements.

Please contact us for specific information. No matter what your material handling needs may be, we are ready to respond.
TWO YEAR LIMITED WARRANTY

Allied Power Products, Inc. (APPI) warrants the products it manufactures to be free from defects in material and workmanship to the original buyer for a period of 24 MONTHS from the date of shipment from APPI. All warranties for products sold but not manufactured by APPI are solely that of the manufacturer.

This warranty and liability of APPI is limited to the replacement or repair of any product manufactured by APPI if the product is found – upon examination at our facility – defective due to materials or workmanship. All freight, removal and/or installation charges shall be borne by the Buyer.

This warranty does not cover failures or malfunctions found by APPI to result from:

• Improper installation, operation and/or maintenance of the product.
• Replacements, repairs and/or alterations made by or on behalf of the buyer without written approval from APPI.
• Use of accessories and/or other components in conjunction with the product without written approval from APPI.

APPI SHALL NOT IN ANY EVENT BE HELD LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE OR FOR EXPENSES OR DELAY CAUSED BY DEFECTIVE MATERIAL OR WORKMANSHIP.

Except for the above warranty, APPI makes no other express or implied warranties and NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty shall be governed by and construed in accordance with the laws of the State of Oregon and enforced in Oregon courts. If any portion of this limited warranty and limitation on damages is determined to be invalid or unenforceable, the remainder of the warranty shall remain in full force and effect.

All warranty claims must be submitted to APPI in writing to:  
Allied Power Products, Inc.  
6590 SW Fallbrook Place  
Beaverton, OR 97008

WARNING: Our products are not to be used to lift or move people or to lift anything over people.