



Overhead Cranes,
Components and
Engineered Systems



cranes

Since 1987, ACE World Companies has supplied industry with American-made, custom designed material handling solutions. We design and manufacture some of the most sophisticated industrial cranes and engineered systems in use today. Our ISO 9001 manufacturing facilities ensure quality and on-time delivery of ACE products worldwide.

Industries Served

- Manufacturing
- Steel Mills
- Steel Service Centers
- Mining
- Power Generation
- Marine
- Concrete
- Automotive
- Oil and Gas
- Pulp and Paper
- Lumber
- Aerospace



210-ton Ladle Crane with 60-ton Auxillary Hoist



25-ton Capacity Telescoping, Rotating Mast Stackers with Independent Vertical Cab Travel, Handles Coils and Pallets



Scrap Handling Crane



7.5-ton Bucket Crane



Semi Gantry Coker Crane



Charger Crane



30-ton Ladle Crane with 10-ton Auxillary Hoist

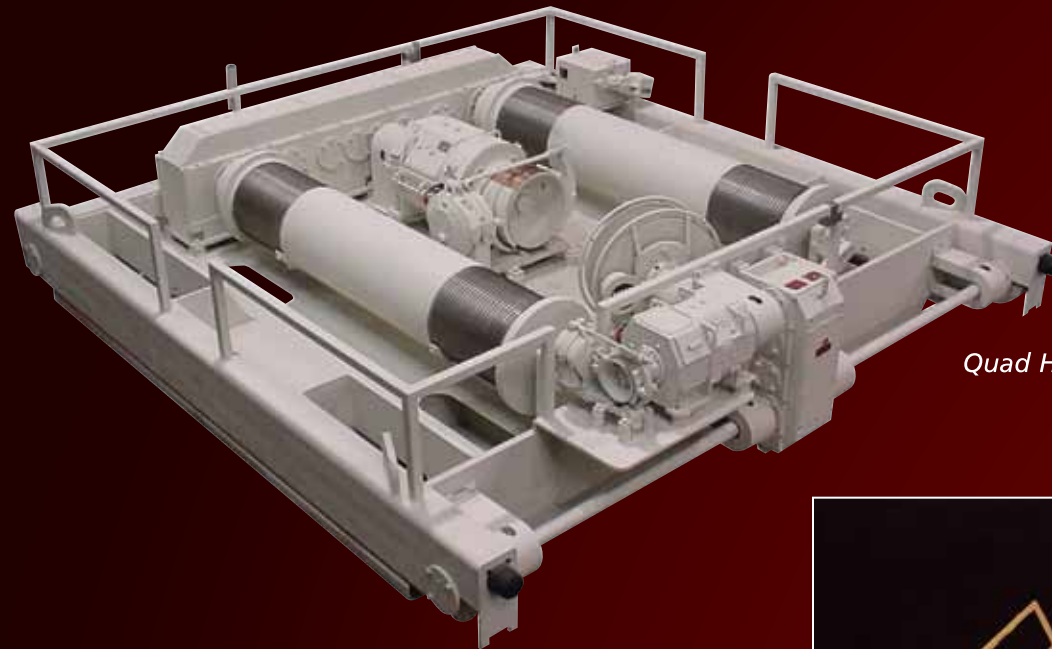


Double-leg Gantry with Cantilever

custom components and special machinery



210-ton Class E Hot Metal Hoist



Quad Hook Hoist



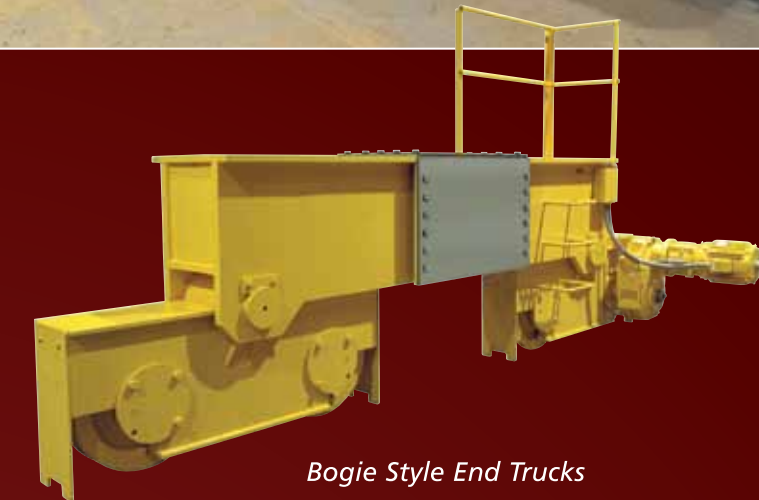
Specialized Power Rotating Bottom Blocks with guides to prevent load sway during automated operation



Bogie Style End Trucks for Goliath Crane



Transfer Car designed with shock absorbing wheel mounts to guard against damage to coils



Bogie Style End Trucks



CMAA Class E, Polar Trolley for Billet Handling



Transfer Car moving a barge



Long Lift Winch

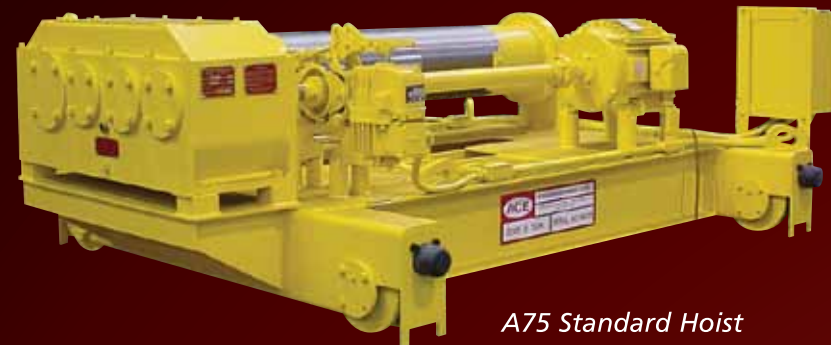


20-ton Class D Built-up Trolley for Underhung Crane

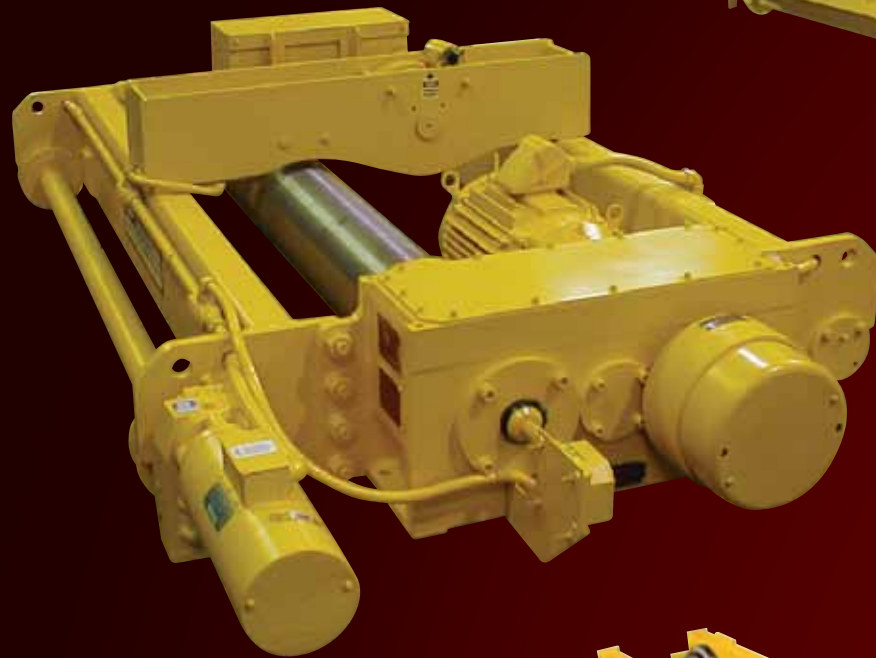
standard components

ACE standard hoists range in capacities from 1/2 ton to 80 tons. All ACE standard hoists meet CMAA Class D duty cycles and are true vertical lift with inverter controls.

The A40 and A75 Series Built-up Hoists have been operating throughout the US for over 20 years. This fully Decked Hoist was designed for heavy-duty applications and is available in 5 to 80 ton capacities.



A75 Standard Hoist



ACE Standard End Trucks from 5 to 80-ton capacities



TERMINATOR

The Terminator Series offers the lowest headroom in the industry and is available in 5 to 50 ton capacities. Extra long lifts, faster hoisting speeds, and monorail and base mount options are available.

ADVANTAGE Crane Kits

ACE Advantage Crane Kits are the first of its kind in the overhead crane industry. These crane components are designed and manufactured to meet the demands of heavy duty applications, but are priced to compete with other light duty hoists and crane kits on the market. Our Advantage hoists, end trucks, and plug and play festoon systems provide you with turn-key crane building capabilities for both Class C and Class D duty cycles.



Monorail and Top Running Crane Kits

- 5 and 10 ton capacities
- CMAA Class D duty
- ACE Variable Frequency Controls for all motions
- Mechanical load brake
- True vertical lift
- Rugged construction
- Low maintenance



Top Running End Trucks

Under Hung End Trucks

www.AdvantageHoist.com

ADVANTAGE Electric Chain Hoist

Features:

- 1, 2, 3 & 5 ton capacities
- Many different speeds and lifts to choose from
- Durable 6-button pendant
- Mechanical load brake
- True vertical lift
- Phase relay protection
- Motorized trolleys
- Push/Pull trolleys



controls

ACE utilizes the best controls on the market today. So, whether you desire high speed or precise movements, you can depend on the fact that our electrical engineers have done it all. From manual to fully automated, ACE provides flux vector, variable frequency, wound rotor, and DC control systems.



ACE / Toshiba 460 volt 5-motion control, with NEMA 4 enclosure, pendant/radio isolation relay logic, and custom wind alarm with dual set points



Advantage end truck control panel



Custom controls for outdoor crane

Bridge mounted controls on 125/10 Hot Metal Crane



power transmissions

At ACE, we design power transmissions for all industries and applications. We fabricate housings and cut gears in-house to provide our customers with a solution specifically for their needs.



5 Axis CNC Machining Center for precision gearbox manufacturing



Gear cutting



Gear box assembly



Power Transmission reducers up to 1,000 horsepower or more with through-hardened helical gearing and horizontally split, fabricated steel housings



Fabricated housing

ACE World Company facilities



*ACE World Companies Corporate Headquarters,
Fort Worth, Texas*



*ACE World Companies
Manufacturing Facilities,
Knoxville, Tennessee*



*Our large fabrication
and assembly buildings
allow us to provide a
variety of products on
time and at the highest
level of quality!*



*Full-service Machine Shop, equipped with large
capacity conventional and CNC equipment to
maintain ACE quality standards*



*Climate controlled, ISO 9001 UL panel and
control shop to meet all your control needs*





ACE can meet your cable drum needs up to 84" in diameter and 30' long



We keep standard parts on the shelf for quick delivery and machine custom parts to customer specifications



**Overhead Cranes, Components
and Engineered Systems**

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