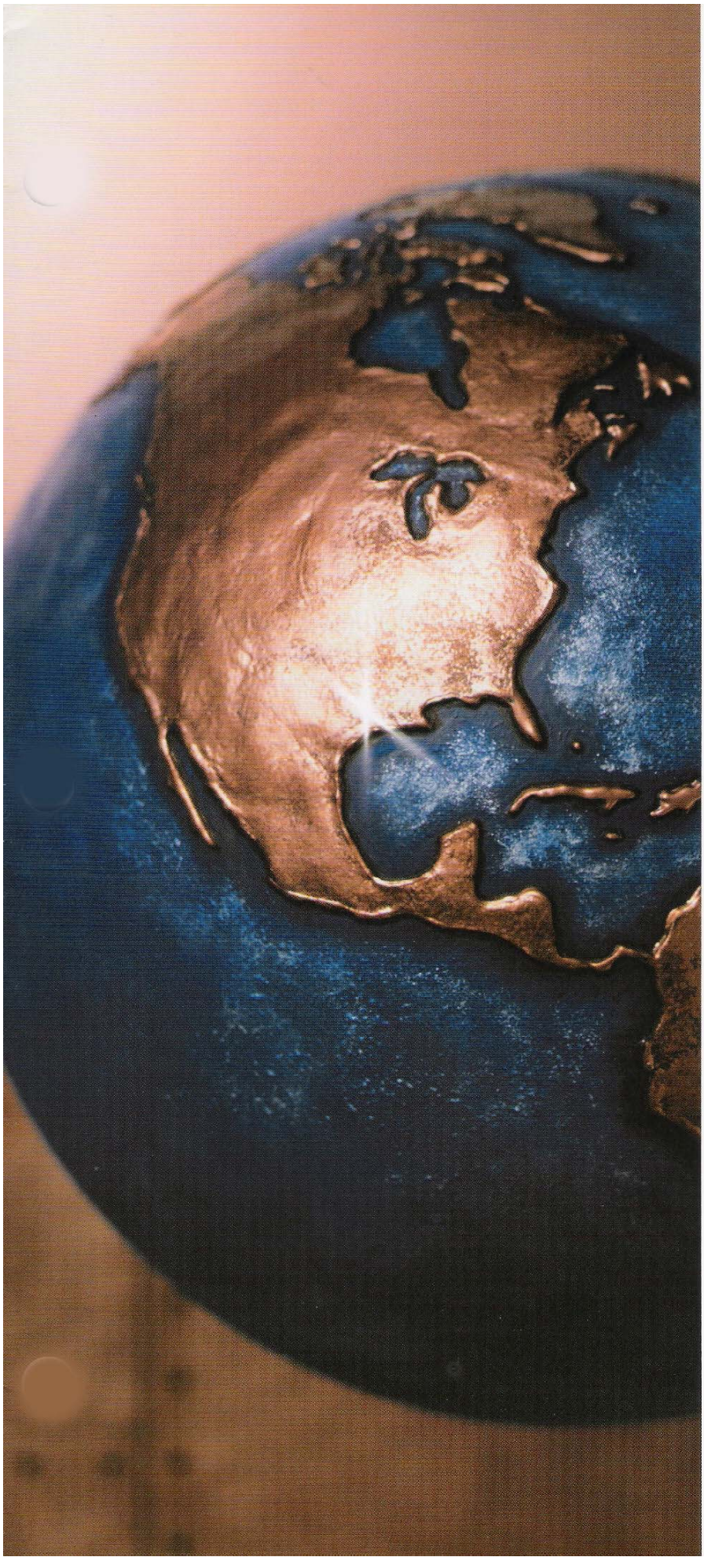


ace
World Companies

Making History
in Material Handling
Technology...Every Day

MADE IN AMERICA
WITH PRIDE

Our Vision

- To be the Global Leader in Material Handling Solutions.
- To employ Creativity and Dependability in all we do.
- To lead our industry as a company founded upon the principles of integrity, unity and compassion.

Our Mission

- To lead by creating new solutions in material handling technology.
- To be a world-wide leader by providing OEMs, service companies, distributors and end-users with the highest value and most reliable equipment and engineering services.
- To exceed customer expectations with a quality process comprised of superior technology, manufacturing techniques, facilities and performance testing.
- To support our customers with a service structure delivered by the best team with the broadest experience.
- To continue developing our network of strategic supplier alliances to support our commitment of continuous improvement and total customer satisfaction.
- To provide a quality working environment for our employees with opportunities for continuing education, personal and professional growth.

Our Values

Unity

- We are a dedicated and committed team contributing to the success of our Company and to each member of our team.
- We are loyal, and dedicated to achieving common goals and objectives.
- We pursue consensus because we recognize that the opinions of our colleagues are important and valuable to the success of the Company.

Integrity

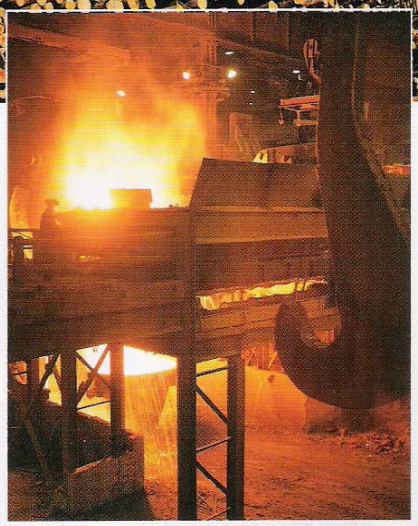
- We communicate openly and sincerely, at all levels of the organization
- We are trustworthy and honest in our day to day activities
- We conduct ourselves in a moral, ethical manner at all times
- We are accountable within and outside the organization for our actions and words.

Compassion

- We consider the consequences of our actions and words
- We are respectful of others, display benevolence and caring concern, and share our success with others in our community.

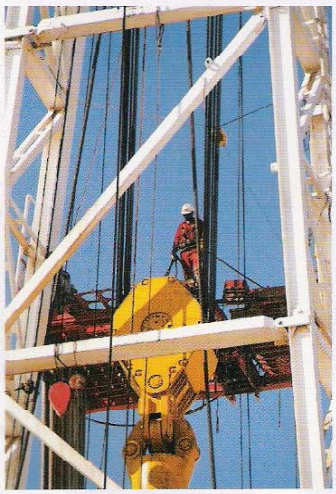
Since 1987, ACE World Companies has supplied industry with American-made, custom designed material handling solutions. Our vast range of products, both standard and custom, have been developed using the most sophisticated technologies available today.

The Company's commitment to invention is backed by extraordinary engineering prowess. As an industry leader, ACE matches material handling solutions to virtually any field, manufacturing or industry application. ACE hoists, systems, controls, trucks and drives are operating effectively and safely throughout the U.S. and internationally in North and South America, Europe, Asia and Africa.



INDUSTRIES SERVED

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



ACE HOIST SOLUTIONS are engineered for maximum reliability, durability and maintainability for customer profitability.

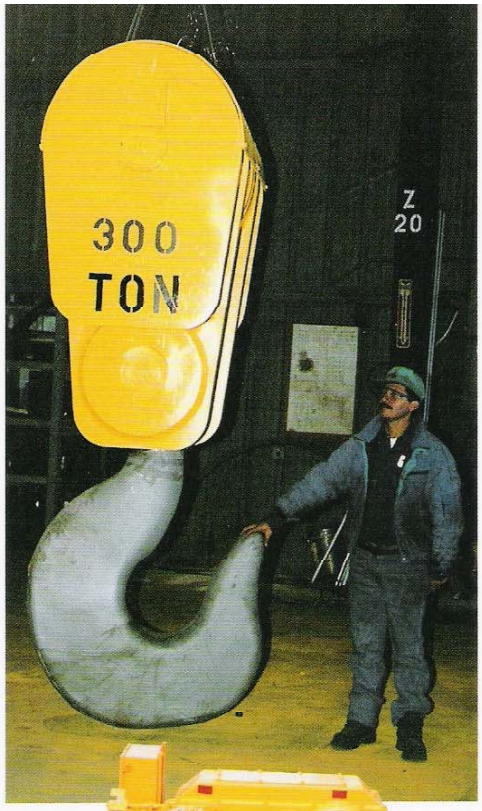
When you have a need to be met, we consider both your short and long-term needs before we identify design criteria and engineer a solution.

Every product we design must meet the critical issues of quality, durability, and maintainability to be considered reliable.

We've been guided through the years by the following ***customer-driven value principles***:

- Low cost of ownership is much more valuable than low initial cost
- A customer depends on material handling products for a production process that contributes to the bottom line.
- Such products must be durable, easy to inspect and maintain in order to meet the customer's criteria for reliability.

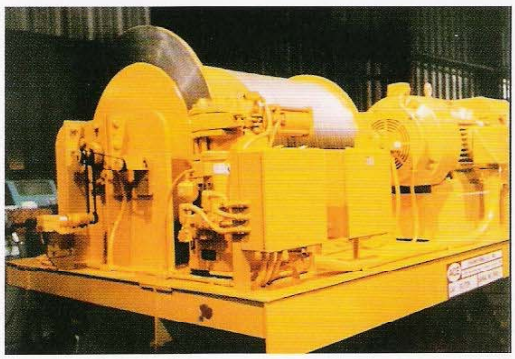
Because ACE consistently meets these customer value principles, the hoist, end truck, drive or control that carries our name is very simply your ***best value on the market*** today.



Above: *Critical lift hoist for handling flight hardware. Features redundant reeving, MCM monitoring system, single failure-proof, anti-two blocking energy absorbing system, and full FMEA analysis*

HOISTING SYSTEMS TO 500-TON CAPACITY

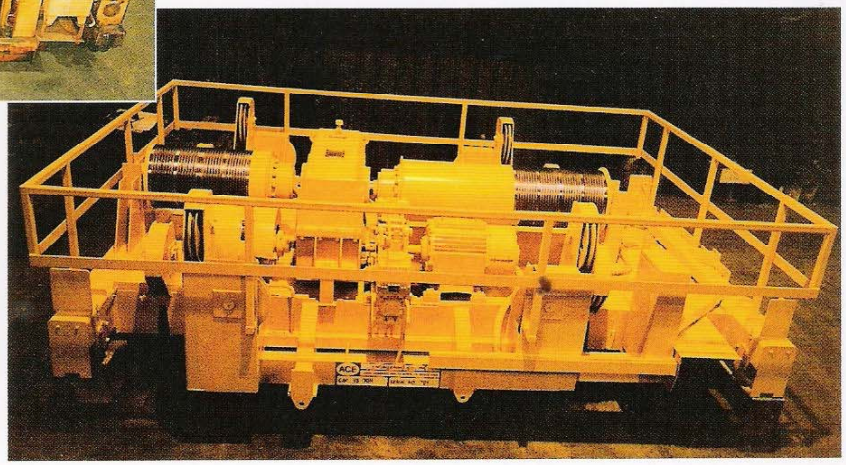
- Critical Lift
- Polar Trolley
- Explosion Proof
- Log Handling
- Automated
- 2-Drum Bucket
- CMAA & AISE Hot Metal
- CMAA Class A through F Systems



250 HP log handling winch, CMAA Class F, circular boom crane

25-ton capacity telescoping, rotating mast stacker with independent vertical cab travel, handles coils and pallets

Before refurbishment: *Problem plagued with obsolete metric parts*



After refurbishment: *Reliable, smooth operation, with easily accessible parts (in US units) and "as new" warranty*

ACE ISO 9001 MANUFACTURING facilities ensure quality and on-time delivery of world-standard products and systems solutions.

Our extensive engineering and manufacturing capabilities allow ACE to design and produce highly specialized custom trolley hoists, controls, drives and end trucks. These units are manufactured to operate under the most demanding production requirements up to 365 days a year around the clock.

When the stakes are high and reliability translates into production revenue, call on ACE for comprehensive engineering expertise, combined with exceptional manufacturing ability. We're accustomed to satisfying the most rigorous challenges and customer expectations.

At ACE –

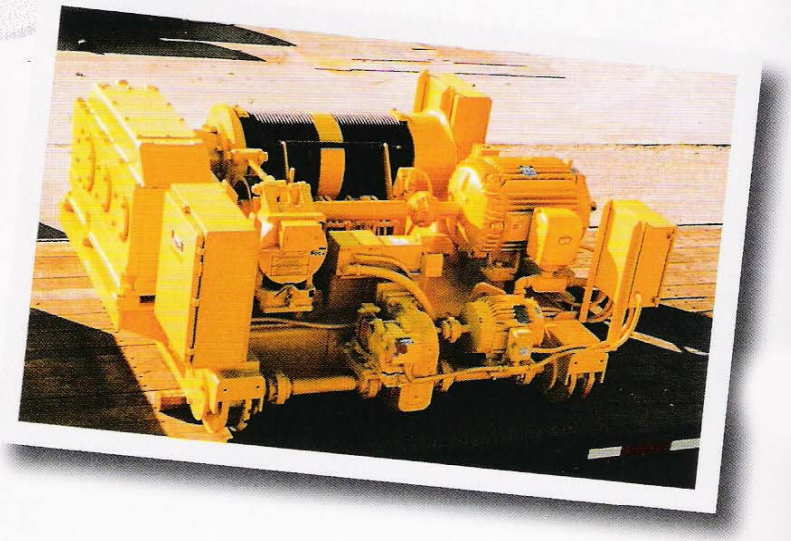
- We never compromise quality.
- Every component is tested and inspected at each step of manufacturing.
- We never promise what we cannot deliver.

Specialized power rotating bottom blocks with guides to prevent load sway during automated operation

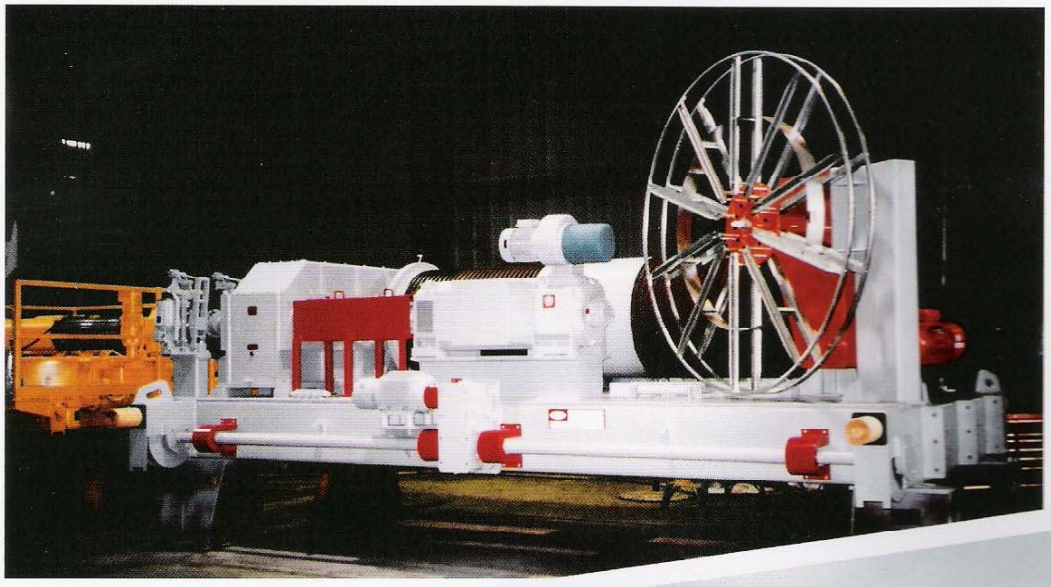
40 HP, 750 HP, 75 HP reducers with through-hardened helical gearing and horizontally split, fabricated steel housings

CMAA Class E, Polar Trolley for billet handling

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



17-ton "bullet-proof" Class E replacement trolley



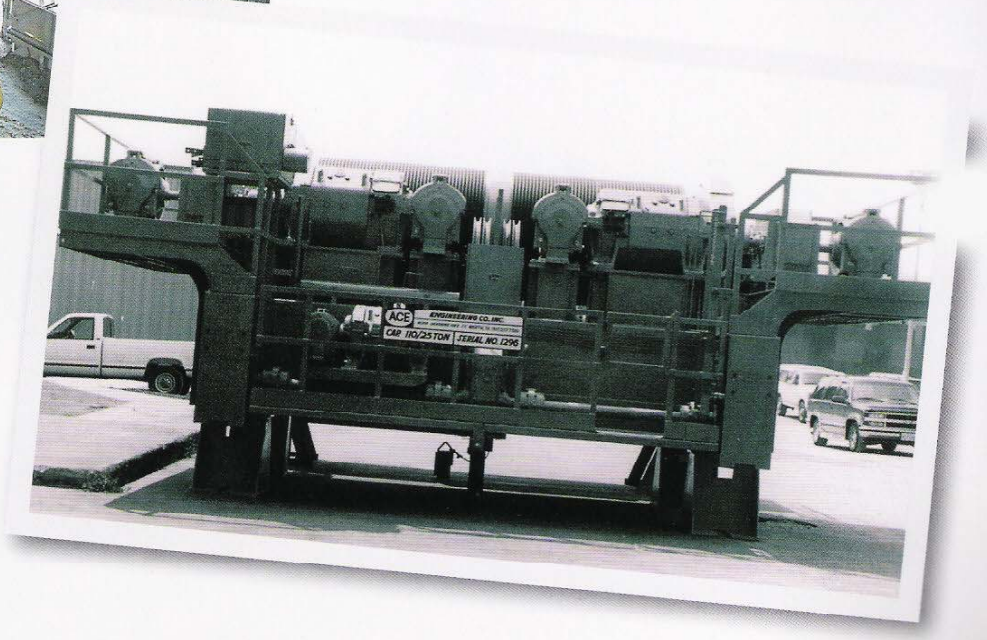
***Above**: Durable, easy to maintain automated dredge hoist (35-ton, 210 fpm, 500 HP, 250 Feet of lift) operates reliably over a two-shift, 6-day week. This bucket hoist, manufactured with ACE parts, operates within the dredge housing shown at right.*

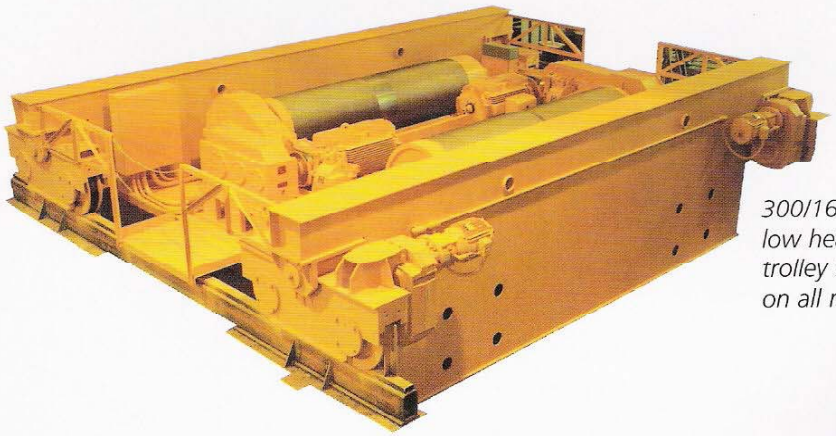
20-ton Class D built-up trolley for underhung crane

2-drum, 3-line and 2-line electrical and mechanical bucket hoists of any size are available through ACE. The equipment at right is shown operating in a cement industry application.

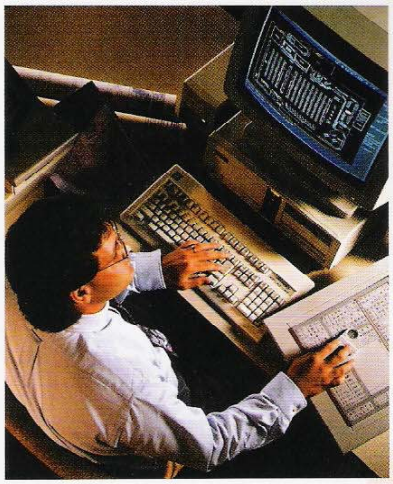
Scrap handling, CMAA Class F, severe duty crane equipment

110/25 Ton Hot Metal trolley hoist with 300 HP, DC Mill Duty hoist motors. This unit operates around the clock in a steel mill's hostile environment.





300/165-ton, CMAA Class D, low headroom, top of rail to top of trolley is 48" (0.002" movements on all motions)

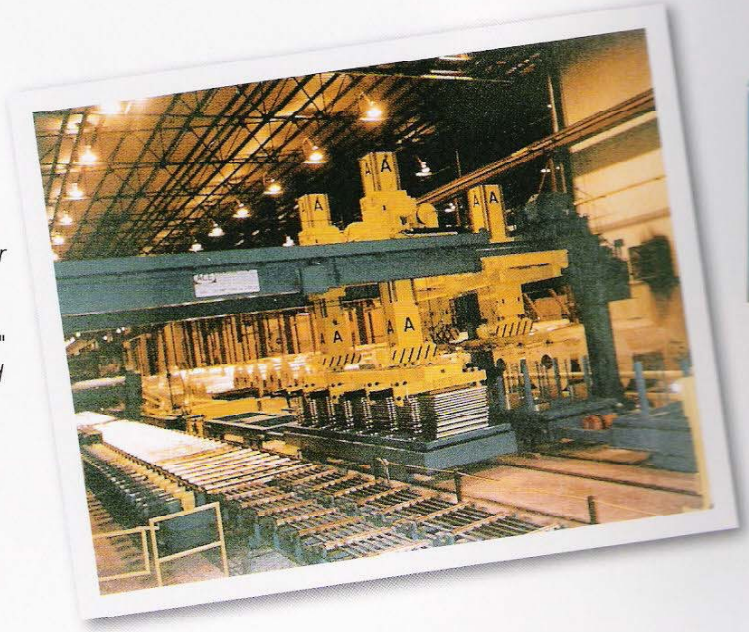


5 Axis CNC Machining Center for precision gearbox manufacturing

ACE TECHNOLOGY keeps pace with the rapidly changing needs of our clients and the industries we serve.

Technology is one of the cornerstones of our structure. It begins with the best designs, uses the highest quality materials, and employs optimum manufacturing methods. Our technical skills, from software and applications through an ISO 9001 compliant manufacturing process, have kept pace with the dynamic needs of industry. ACE technical strength reduces cost and lead-time for customers. Ahead-of-the-curve technology, adapted in all related areas of performance, assures quality results and **increases our value as a supplier**.

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 control engineers have done it all. From manual to fully automated, ACE provides two-speed, flux vector, variable frequency, wound rotor, and DC control systems. What needs do you have?



Fully automated twin mast stacker system for billet handling with an accuracy of 1/16" with a 52-second cycle time

Quality Control shop allows for a comprehensive program of onsite testing for quality assurance

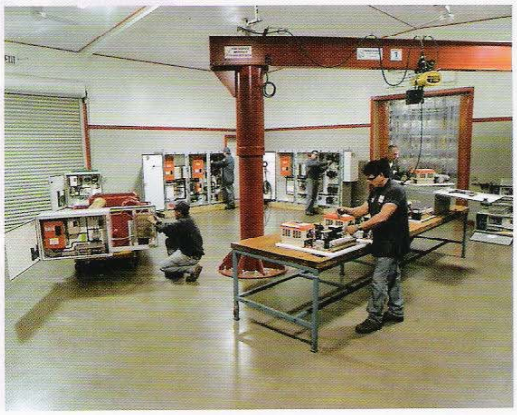
ACE'S REPUTATION is a direct reflection of the quality and dependability of our people.

Without a doubt, the reputation we enjoy in the industry, and the quality of the products we deliver are a direct result of our employees' attitudes, dedication, skills and integrity.

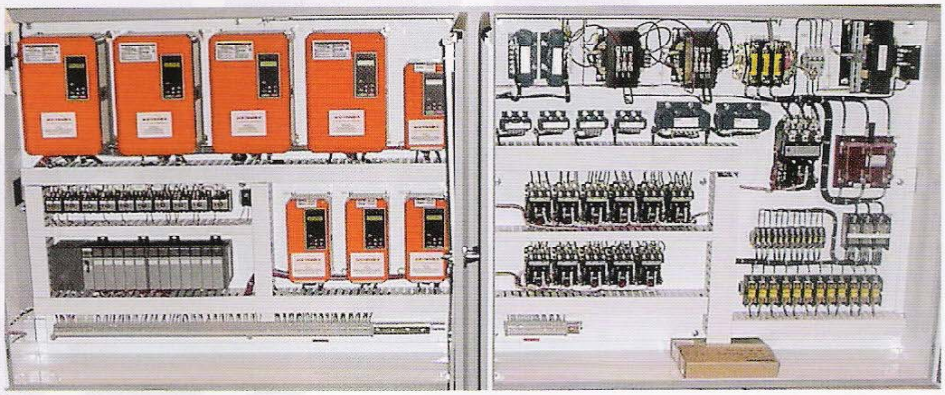
We are ready to assist you.

- Count on our sales staff to be knowledgeable, efficient and customer-oriented.
- Rely on our engineers to help you with design and application problems.
- Depend on our customer service for efficient, caring response to your needs.

How may we help your bottom line tomorrow by meeting your needs today?



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

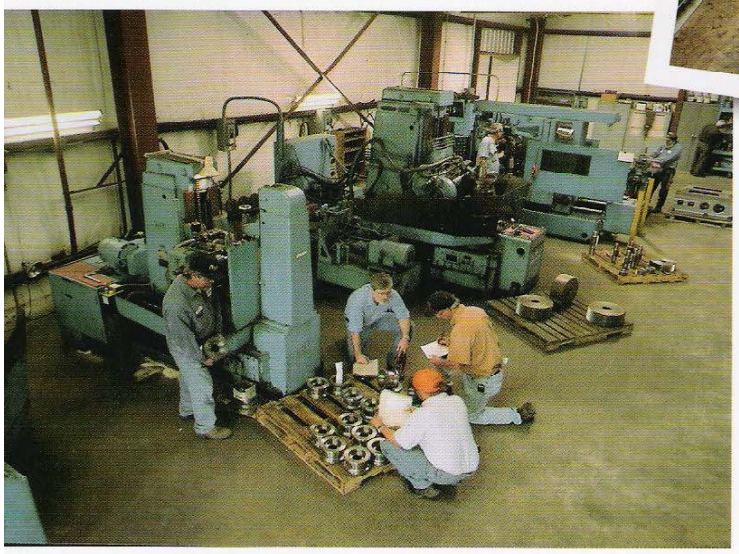


Seven-motion, paper mill panel with hoist synchronization through PLC control

ACE has a complete line of standard components to meet your critical delivery needs.

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



ACE is a member of AGMA and builds a wide variety of gearboxes (both custom and standard) to meet the most hostile applications. Manufacturing capability up to 72" diameter.

With this lathe, ACE can meet your cable drum needs up to 64" in diameter and 30' long.

Available Products

with the ACE Mark of Quality

- Hoists and Winches for Any Application
- Control Systems
- Drives
- Gear Reducers (custom to 1500 hp)
- Crane Systems
- Transfer Cars
- End Trucks (all types & sizes)
- Lifting Beams (manual & motorized)
- Cable Drums (up to 64" diameter by 30' length)
- Motorized Rotation Hook Blocks

PARTS & SERVICES

- Custom Manufacturing
- Retrofitting Equipment and In-The-Field Installations
- Machine Shop
- Gear Cutting (up to 72" diameter)
- Virtually All Kinds of Hoist & Crane Replacement Parts

ace World Companies

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ISO 9001 REGISTERED

CMAA CRANE MANUFACTURERS ASSOCIATION OF AMERICA, INC.

HMI HOIST MANUFACTURERS INSTITUTE MEMBER COMPANY

CAT. NO. IB 0604