Meeting the Demands of OIL & GAS

YOUR CRITICAL LIFT EXPERTS

ACECO American CRANE & EQUIPMENT CORPORATION

CUSTOMIZED PRODUCTS

PRODUCTS
FOR HARSH ENVIRONMENTS

American Crane & Equipment Corporation utilizes its vast experience, extensive resources and innovation in crane and component technology to develop products for hazardous environments including explosion proof/ spark proof solutions.

JIB CRANES

Our Jib Cranes, *with slewing bearing, are specifically designed for the Oil and Gas Industry.*

PROJECT HIGHLIGHTS:

2M Ton Pedestal/Base Mounted Single Girder Jib Crane with Monorail Hoist

Features Include:

- Designed to Meet Class I, Division 2, Group D Hazardous Location Requirements
- Manually Operated Hand Chain Hoist and Trolley
- Utilizes Turntable Bearing with an Integral External Gear to Provide Slewing Motion
- Spark Resistant Components Include Bronze Wheels, Bronze Hook, Stainless Steel Load Chain and Stainless Steel Slewing Pinion
- Stainless Steel Weather Guard for Hoist When Not in Use

APPLICATION:

Hazardous Outdoor Corrosive Marine Environment

Pictured on this page are two (2) 15M Ton Pedestal Base Mounted Jib Cranes with Top Running Trolleys.

Each crane was built to meet:

Class I, Zone 2, Group II A/II B Hazardous Location Requirements.

CRANE TYPE:
15 M Ton Jib Crane with
25'- 0" Boom Span

HOISTING SPEED:
32/10 FPM (2 speed)

CRANE TYPE:
15 M Ton Jib Crane with
35'- 0" Boom Span

HOISTING SPEED:
60/20 FPM (2 speed)

Their unique designs allow them to be used on offshore drilling platforms to unload supply vessels.

Features Include:

- Made with Spark Resistant Components such as Bronze Wheels, Bronze Hook, and Stainless Steel Wire Rope
- Electrically Driven Hoist and Trolley with Slewing Motions
- Large Diameter Turntable Bearing with an External Gear to Provide Slewing Motions
- Jib Deflection Meets the Requirements of API 2C
- Dynamic Coefficient of 2.0 used in the Design
- UL698 Control Panels
- NEMA 4x/7

CUSTOMIZED SOLUTIONS

OTHER CRANE DESIGNS

Any of our cranes and hoists can be built to endure harsh conditions and environments while maintaining the highest quality and safety.

Single Girder

Multiple Girder

Gantry

SPECIALIZED EQUIPMENT

HOISTING MACHINERY:

American Crane can **design** and **fabricate** custom hoists and hoisting machinery with **higher speeds**, **longer lifts** and other special features.

or

We offer package hoists from popular brands such as: ***CHESTER, YALE, and CM.***

GRAPPLES:

Our Mechanical Stainless Steel Grapples operate using a dual action to safeguard against dropped loads.

OPTIONS

OPTIONS AVAILABLE

FOR EXPLOSION PROOF PRODUCTS:

- Single Failure Proof Designs
- Redundant Braking Systems
- NEMA 4x Explosion Proof Enclosures
- Rigid Galvanized Conduits and Cables with PVC PlastiBond Coating
- PLC Controls Including Safety Critical
- Anti-Collision Protection
- Variable Speed Controls Including Micro Speeds and Indexing
- Real Time X, Y, and Z Positioning
- Augmented Quality Assurance Program
- All Equipment and Components Built to NEC500 Standards
- ASME NQA-1 Program Capability

HISTORY

American Crane & Equipment Corporation (ACECO), a privately held U.S. company with headquarters in Eastern Pennsylvania, is a leading manufacturer of cranes, hoists and other material handling equipment. For over 40 years, the company has been one of the most innovative manufacturers of high quality specialty lifting equipment for unique applications.

American Crane maintains the in-house resources for engineering, manufacturing (including custom fabrication), installation and field service to assure consistent quality and schedule adherence. Our engineering staff consists of seasoned mechanical, electrical and structural engineers, including world class seismic experts. Services such as load testing, outage support, retrofit and upgrades, OSHA inspections, on-site service and repair, preventative maintenance, custom fabrications, and product support are provided by our experienced Service and Parts Department.

Our operations feature 270,000 square feet of combined manufacturing space between our 3 facilities. This expanded manufacturing facility, coupled with highly skilled labor, allows American Crane the scalability to meet future market demands.

Extensive experience with difficult project requirements has enabled American Crane to meet its customers' specifications and schedules. Over the years, customers have included nuclear utility businesses, Department of Energy sites and laboratories, military facilities, and aerospace companies.

As a supplier to the nuclear industry, American Crane has maintained a Quality Assurance Program since 1996 that meets both 10 CFR 50, Appendix B, and ASME NQA-1 standards. This quality program has been audited by commercial nuclear utilities, NUPIC, and DOE contractors. Non-nuclear augmented quality programs are also available. American Crane's welding is performed to AWS D1.1, D1.5, D1.6 or D14.1 standards and our in-house non-destructive testing is performed by SNT-TC-1A qualified personnel.

From complex custom equipment to standard equipment and parts, American Crane can meet all your material handling needs. Entrust your future crane needs to one of the industry's most innovative and committed leaders. For more information about how American Crane can solve your material handling needs, visit **AmericanCrane.com**, email us at **sales@americancrane.com** or call us directly at **1.877.877.6778, ext. 224.**

FACILITIES

CORPORATE HEADQUARTERS: 150,000 square feet

LESTER DIVISION: 100,000 square feet

SERVICE, PARTS & STANDARD CRANE DIVISION: 20,000 square feet

TOTAL FACILITY SPACE – 270,000 square feet

- LARGEST BAY – Length: 700 feet; Width: 80 feet; Hook Height: 40 feet
- LIFTING CAPACITY – 75 Tons + 50 Tons = 125 Tons

YOUR CRITICAL LIFT EXPERTS

ACECO American CRANE & EQUIPMENT CORPORATION

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