Leading the Way in High & Super High-Rise

Construction Hoisting

USA Hoist
An affiliate of Mid-American Elevator Co., Inc.
USA Hoist is the premier provider of custom construction elevators for mid, high and super high-rise construction in Chicago and the Midwest. We lease or sell a full range of rack and pinion, and cable elevators for any application.

When it comes to installation and service of standard rack and pinion hoists, we’re the best in the Midwest. We also offer installation and service on our super high-rise equipment anywhere in North America, as well as sales and comprehensive technical support anywhere in the world.

Today’s high-rise buildings are a reflection of modern design and unique aesthetic values. Floor setbacks, special curtain wall systems and unusual roof treatments are a few of the factors our engineers contend with on a regular basis. Working closely with customers, they can quickly and accurately generate custom CAD drawings for each project. You’ll find our people are some of the most knowledgeable in the country on the application of construction hoist equipment.

With nearly 50 years of experience, USA Hoist’s fleet of equipment is one of the largest, most modern and best maintained in the industry. We are proud to have supplied vertical transportation systems for construction of 10 of the world’s top 40 tallest buildings.
The HS 80 Construction Elevator combines the safety, job-site ruggedness and tough durability of a construction hoist with the reliability of an interior elevator. It is capable of carrying 40 men or 8,000 lbs. of material at smooth and steady speeds of up to 500 ft. per minute.

The HS 80 is essential on projects that exceed 1,000 ft. of tower height. The HS 80 provides tremendous vertical transportation capacity and utilizes the latest cable elevator technology in a heavy-duty four-post tower. The tower can be used to support landing platforms or landing ramps from set-back sections of a high-rise building, greatly simplifying ramp construction.

The HS 80 is manufactured and assembled entirely within the United States, assuring that spare parts and services are always available.

**HS 80 Features**

- **Car Speed to 500 FPM**
- **Capacity 40 Persons or 8,000 lbs. Material**
- **All Aluminum Weather-Proof Car**
- **Solid State Controls**
- **Self-Climbing Hydraulic Sheave Platform**
- **Wide Door Access, Front and Rear**
- **Designed to Industry and Government Standards**

*Amoco Building, Chicago, Illinois*

Four HS 80s were involved in the largest re-cladding project in the world.

*401 Peachtree Office Tower, Atlanta, Georgia*

Notice the HS 80 hoists are positioned face to face with a common landing, eliminating the need for numerous extra penetrations into the building.
The USA-7000 is the latest technology in rack and pinion hoists. Since its introduction in 1997, it has led the way in high-rise construction hoisting. The USA-7000 is widely recognized as the largest, fastest and most reliable rack and pinion construction hoist available on the market today.

One of the many significant technological advancements incorporated into the design of this hoist is the Variable Frequency Motor Control. This device provides higher speed (330 FPM), a smoother ride and more accurate leveling than any previous rack and pinion hoist. The USA-7000 is suitable for projects up to 1,500 ft. tall and is the hoist to have on high and super-high rise construction projects.
USA-7000 Features

- Single or Dual Operation
- 7,000 lbs. or 8,000 lbs. Capacity
- Up to 330 FPM
- Extra Large Car—5’0” wide x 13’6” long
- Heavy-Duty Brake and Overspeed Safety
- Three Gates in each Car
- Light Weight Aluminum Car and Heavy-Duty Steel Frame
- Variable Frequency Control
- Optional Automatic Operation

USA-7000 hoists utilize our state-of-the-art microprocessor control systems with variable frequency drive technology. Manufactured by our affiliate, Mid-American Elevator Company, this control system ensures safe, smooth and reliable operation.

Special Projects, Extra-Large Capacity

Special USA-8000 hoist made for UPS Louisville, Kentucky Airport
The US-6000 has been a high-rise construction industry standard for over 15 years. The 6,000 lb. capacity car can accommodate up to 30 people and large material loads. The hoist can be configured for left or right-handed, single or dual car operation. Available in a high-speed version (300 FPM), the US-6000 hoist can be effectively used on almost any building project up to 800 ft. tall.

Our easily adjustable tie-in system facilitates fast erections and jumps. We have also equipped many of our US-6000 hoists with an additional side gate that can be invaluable on a tight site where normal end loading is not practical.

**US-6000 Features**

- **Single or Dual Operation**
- **Cage Speed:**
  - Single Speed—150 FPM (45.72 meters/min.)
  - Two Speed—300 FPM (91.5 meters/min.)
- **6,000 lbs. Capacity**
- **Inside Cage Dimension—**
  - 12’4”L x 4’8”W x 7’2”H
    - (3.76m x 1.42m x 2.18m)
- **Power:** 30 HP Electric Motor—
  - 480 volts, 60 cycle, 3-phase, 100 amps per cage

**US-6000 with special landing tower and extended landings to accommodate building setback.**
USA-4000
USA-5000

Special Remanufactured Equipment

We also offer other competitive lines of equipment in addition to our USA-7000 and US-6000 model hoists. This diversification enables us to provide suitable equipment for those projects with a specific budget in mind.

The USA-4000 and USA-5000 models broaden our mid-rise construction market for projects with other special needs. These single-speed hoists enhance the productivity of low-end projects, giving the contractor many of the same advantages as our high-end models.

Refurbished USA-4000
Dairyland Power, LaCrosse, Wisconsin
special interior installation shown

R R Donnelley Building renovation
Chicago, Illinois

Special remanufactured 4,000 lb. slipform hoist
with motor control system shown (inset)
Column-mounted Chicago Booms are primarily used during new construction of high-rise projects. They allow for the economical and efficient movement of materials, which may be too large or heavy to be lifted using conventional hoist cages. USA Hoist’s selection of booms has a capacity range of 2,000 to 10,000 lbs. and reaches to lengths of 57 ft.

Through our extensive inventory, coupled with our ability to engineer creative solutions to unusual hoisting conditions, we can assist you in providing an efficient, economical means of hoisting materials on any project. USA Hoist has standardized its booms for cost-effective installation, jumping and dismantling of our equipment.
USA Hoist engineers have decades of experience in the construction industry. We continuously develop solutions that meet our customers’ needs and requirements. Whether it’s stacks, boilers, transfer towers, or silos, we can match the specifications of whatever the project entails.

Today’s modern architecture and building design present many challenges when locating temporary hoisting facilities used during new construction or renovations. USA Hoist can make these problems obsolete by manufacturing landing towers for these special applications.
USA Hoist can provide special elevators—rack and pinion or cable—for almost any application…

- Permanently Installed Rack & Pinion Elevators
- Fully Automatic Elevators
- Inclined Elevators
- Explosion-Proof Elevators
- Extra-Large Freight Elevators
USA Hoist has been involved in some of the largest construction projects in the world. These include the New Bank of Hong Kong in China, the Petronas Towers in Kuala Lumpur, the Texas Commerce Tower in Houston, the Columbia Center in Seattle and the Amoco Building in Chicago to name a few.

**Quality Control**

Prior to shipment, all equipment is fully tested and inspected on our 60’ (18 meter) test tower to ensure the proper operation of all electrical, mechanical and safety components.

**Delivery, Installation & Dismantling**

Our hoists and booms are delivered and assembled at your job site. On completion of the project, they are dismantled and sent back to our warehouse for refurbishing.

**Proven, On-The-Job Reliability**

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**World's Tallest Building**

Northwestern Memorial Hospital
Chicago, Illinois

Petronas Towers
Kuala Lumpur, Malaysia
USA Hoist is an affiliate of Mid-American Elevator Company, a family-owned business and one of the country’s fastest growing independent elevator contractors. Working together, we have been involved in some of the most prestigious projects in the world and continue to excel in taking vertical transportation to new levels.

SpaceSaver Parking Company, another affiliate of this multi-tiered organization, offers a complete line of mechanical parking equipment—from Stackers and Combilifts to Fully-Automated Parking Systems.

We strive to make product efficiency and customer satisfaction the backbone of our company.

**Put our Resources to Work for You!**

Mid-American Elevator Company, Inc.
www.mid-americelevator.com

SpaceSaver Parking Company
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Sales & Leasing
We work closely with independent hoist and elevator contractors in the sales and leasing of our equipment. Delivery is available worldwide. Installation is available throughout the United States. Contact Rob Bailey, Al Hartung or Kevin Carlson for more information.