

RJS Model

Vertical Reciprocating Conveyor



Mezzanine Application

full height enclosure includes electro-mechanically interlocked gates

Vertical Reciprocating Conveyors require minimal usage of floor space and provide access to various levels...mezzanines, upper floors, basements, multi-level stories, lofts, split level entrances and production lines now can be utilized for increase production and storage. Safely transport any type of material or product from one level to another with full call and send system.

We can design our VRC to fit into an existing elevator shaft or any new project application.

RJS Model

Vertical Reciprocating Conveyor



Through Floor Application

upper & lower enclosure includes electro-mechanically interlocked swing gates (when fire rating is not required)

- * hydraulic or cable drive
- * custom designed and fabricated to your specifications (platform size, travel and capacity, access pattern, etc)
- * all welded structural steel construction
- * surface or shallow pit installation
- * reliable, effortless, low maintenance
- * multi-level operation
- * 3 sided accessibility
- * any/3/60 motor or 208 or 220/1/60
- * controls self-maintained or deadman
- * NEMA 1 through NEMA XII
- * fully assembled and tested prior to ship
- * enclosure include electro-mechanically landing gates
- * install in existing shaftways

Platform Enclosure Options



48" high expanded metal guards on non-access sides



48" high solid guard on non-access sides dual safety chains on access sides

SAFETY FEATURES on all our models:

The Falling Platform Safety Device is mounted on the lifting platform, has a self-generating type cams, spring loaded, machined, hardened teeth which rapidly engage the mast upright, dig in hard and deep and hold the lifting platform should the lifting chains slacken for any reason. Pressing the raise button unlocks the unit.

Side Thrust Roller Device is for unbalanced loads or when loading frequently at right angles. Consists of four anti-friction bearing load rollers installed on lifting platform which transmit unbalanced forces to rails mounted in or integral with the main frame. Flow control valves provide positive limited controlled flow under lowering or failure in the hydraulic system. A normally closed solenoid operated valve prevents platform falling or lowering in case of power line failure. Overload relief valve to protect from overloading machine. Motor protected by thermal type overload relays.

Cab Options



Roll up doors



Freight style folding gates

All our cabs can incorporate electrically interlocked gates and doors exceeding the Requirement of ANSI/ASME B20.1

We offer a variety of cab variations and access patterns with electrically interlocked gates and doors (or dual safety chains with snap hooks when gates are not required)

- * manually roll up doors
- * Freight style folding gates
- * single or double swing
- * counter-weight vertical acting gates

Safety signage supplied for all landings and on the platform.



RJS-2 Double Frame

Vertical Reciprocating Conveyor



Double Frame Vertical Reciprocating Conveyors are specifically designed for vertical movement of a large, bulky, heavy material from one elevation to another. Requires minimal floor space and easily installed. The model RJS-2 can be surface mounted or placed in a shallow pit. Our RJS-2 model comes with all the same safety features as the RJS model. The RJS-2 has 2 pistons each with dual ANSI chains.

Customer shaft, our expanded metal gates Bi-parting double swing electro-mechanically interlocked



RJST Model

Telescopic Reciprocating Conveyor



Above picture is full cab with freight style folding gate.

Picture to left was built to fit into an existing shaft with a 3' pit.

We also offer basic guardrail and chains on platform when cab is not required

RJST - Telescopic Vertical Reciprocating Conveyor requires less usage of floor space on the second level and the floor opening area can be utilized by installing hinged metal doors. The optional bow type openers installed on the RJST automatically raise overhead doors.

Our RJST model comes with all the same safety features as the RJS model.

To the right is an example of our pendant station supplied with our RJST Model. NEMA 4, keylocked



WHY BUY GIANT LIFT?

EXPERIENCE - Giant Lift has been engineering and manufacturing specialty lifts since it's incorporation in 1972. Thus, our most popular models RJS (single frame), RJS-2 (double frame) and RJST (telescopic) have been on the market for over three decades and for decades to come. While there have been some improvements, what your customer gets is a quality proven, pretested piece of equipment that will last. Being in the VRC business from the ground floor, our seasoned knowledge of addressing tens of thousands of applications allows us to serve you best by helping fit the application with a product that works best. A majority of our employees have been on the job for over twenty years each.

ENGINEERING - Giant Lift was founded on the principle of sound safe engineering. To provide your customer with a dependable product that will operate safely as designed for decades to come with low maintenance. All final design work is computer aided. We quote and engineer each job on the individual specifications of the application. Giant Lift uses our vast engineering capability and experience toward a positive "can do" attitude and will work with you to offer the customer what they actually need - not make you pick from what we have. We will not over spec or oversell to promote an overpriced piece of equipment that will not sell. We understand you need something that will do the job safely and will work with low maintenance and a low frequency of return trips to the site and comply with ASME/ANSI B20.1

SELF-RELIANCE - We at Giant Lift design every job in house. We do all of our manufacturing right here at our facility in North Hampton, New Hampshire. We manufacture all of our mechanical parts from Guide Wheels, Ram Heads, Safety Devices, Chain Load Rollers, Gland Nuts, Stuffing Boxes, Reservoirs, Anchor Blocks, Chain Rods, Enclosures, Gates, Side Thrust Rollers, Piston Clamps and even the Piston itself, right here at our facility. Our own factory electrician also designs and assembles the control panels. This not only allows us complete quality control, but eliminates dependence on third parties which limits design parameters and affect control over lead times. We have unmatched self-reliance in our industry and this allows us to provide you with a unit we are proud of on time. Also in the event of a customer needing a part quickly, we do not have to figure out who we bought it from and when we can get another. We made it! We stock it! And it remains available to you immediately.

INVESTMENT - Even though we engineer, manufacture and ship a higher quality tested and proven piece of equipment, we are extremely competitive even with the lighter duty units available. We realize that when a customer is about to purchase their first VRC, the high quality and experience has it's merits, but they still focus on the bottom line, especially in this economy. Making our own mechanical parts on our CNC lathes and doing our electrical work in house as well as testing the units to ensure the highest quality and lowest need for call backs in the field, helps keep our costs down and allows us to price aggressively.