

# INDUSTRIAL PRODUCTS

UNMATCHED QUALITY, TECHNOLOGY & DURABILITY



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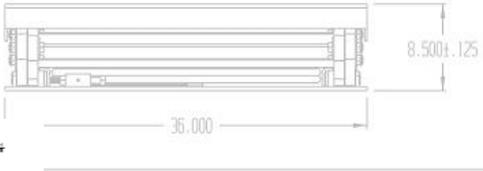
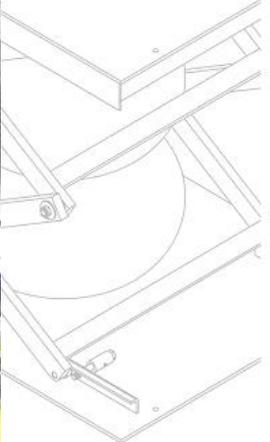
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**herkules**<sup>TM</sup>



LIFT SPEED  
 CAPACITY:  
 SAFETY FEA

| POS     | PAR                                     |
|---------|---|
|         | TELEPHONIC (UNLESS OTHERWISE SPECIFIED) |
|         | X ± .250                                |
|         | .XXX ± .125                             |
|         | .XXX ± 0.03                             |
|         | .XXX ± 0.0                              |
|         | ANGLE ± 1°                              |
| DRN:    | JP C                                    |
| PART #: |   |

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MADE IN USA

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**Incorporated date:**

**1985**

**Location:**

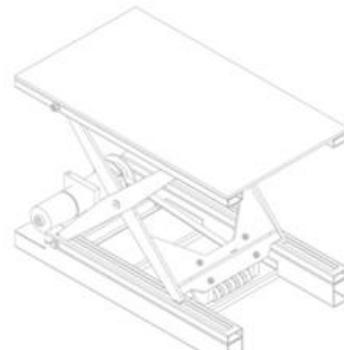
**Walled Lake, Michigan**

**Lot size:**

**Approximately 3 acres**

**Building:**

**Approximately 33,000 square feet**



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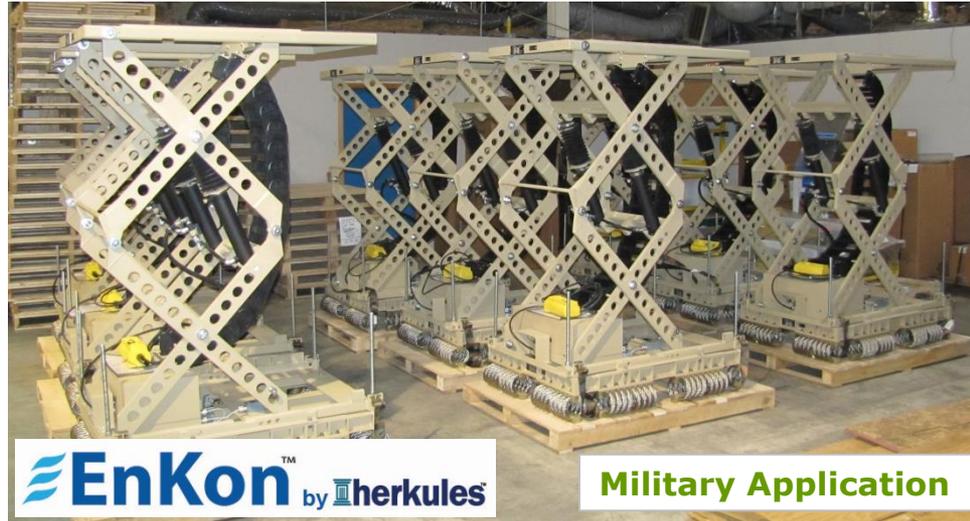
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**Employees:**

**40**

**Strengths:**

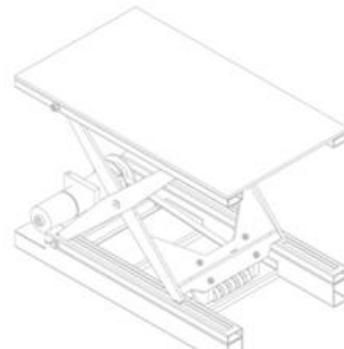
**ISO certified**

**Long Term Employees**

**Strong engineering design & testing**

**Fabrication – Certified welding staff**

**Assembly – Source product globally**



**Herkules expanded its lifting solutions to industrial applications in 2001** creating the EnKon brand of unique, versatile electric, ball screw, belt drive, pneumatic and hydraulic material handling lifts that greatly improve automation and ergonomic working conditions. An ideal lift system for integration, these uniquely capable and adaptable lifts are now being used by many leading manufacturers.

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**Double Nut Catch** – Integrated with controls. For anti-fall in the event of load bearing nut failure.



**Hydraulic cylinder with velocity fuse** – Integrated with controls. Locks the lift at infinite positions.



**Mechanical ratchet lock arm or leg** – Integrated with controls. Locks the lift at multiple fixed positions.



**Double belt system with limit switches** – Integrated with controls. For anti-fall in the event other belts fail.



**Safety bellows skirting** – To protect from pinch points and debris.



# The Electric Scissor Lift Technology

All our products are engineered, tested and manufactured here in Michigan USA. Our company has over 30 years design experience with scissor lift tables.

Enkon can save you money on projects with respect to shipping cost, delivery timing and communications with respect to engineering details. We are located in Walled Lake, Michigan.



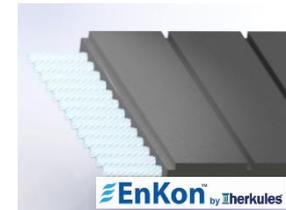
PATENT PENDING



MADE IN USA



**Ball Screw** – High Grade bearings and plated screws.



**Belt Drive** – High Strength Cables.

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**Efficient** - Direct lift produces extremely smooth lifting and lowering motion unlike mechanical leveraging lifts.

**Minimal Load Bounce** - The direct lifting air bag minimizes load bounce which is inherent with competing air lift tables.

**Durability** - Standard lifts will last well over 350,000 cycles!

**Low Profile** - More material per rack equals greater efficiency. 4" lowered versus 8" to 12" of our competitors.

**High Capacity** - the Enkon air bag can lift 57,000lbs. This results in lower prices versus comparable lifts when lifting heavy loads.



## Our Competitor's Design

- 4x the load bounce
- 8" or more lowered height
- Increased wear on the scissors
- Small high psi air bags can explode

Cycle testing of the Enkon Super Duty Lift

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**Belt Drive Lifts**



**Ball Screw Lifts**



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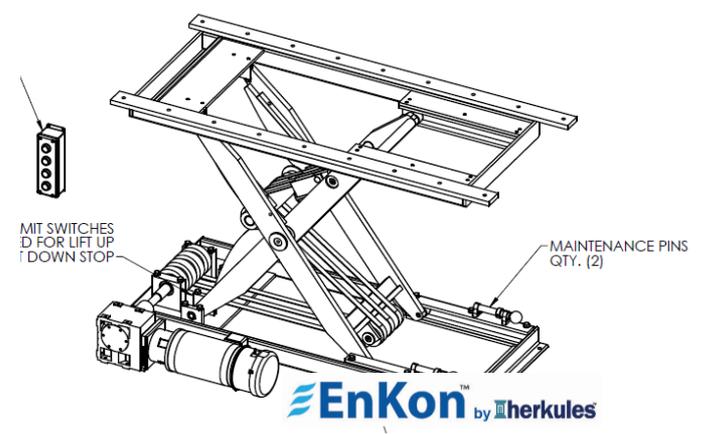
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Our product lines are utilized for advanced manufacturing conveyor systems, automation applications and material handling applications.

All our products are engineered, tested and manufactured here in Michigan USA. Our company has more than 30 years design experience with scissor lift tables.

Our advanced manufacturing solutions are the highest of quality, delivered timely and are at a reasonable price.



**Custom designed for precision control, incredible repeatability, safety and accuracy.** Call on Enkon to provide you with a precision lift for your lifting solution. From complete stand-alone lift systems, to integrated lift modules, no lift project is beyond the scope of Enkon.



Belt Drive and Ball Screw lifts are perfect for use in skilnet lift conveyor applications



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**The Enkon Ball Screw Scissor Lifts provide high duty cycle and high reliability with precision accuracy.**

Mechanical screw technology powered with electric gear motors is one of the base technologies of robots and automation used in manufacturing. Enkon Ball Screw electric lift tables are great solutions for automation, longevity, and repeatability. These lifts are also designed to provide zero load drift at any elevation. This makes them an ideal choice for a variety of manufacturing solutions.

### Highlights

- Precision control +/- .03 (.76 mm)
- High speeds up to 14 inches/sec (355 mm/second)
- Speed can be easily controlled with Variable Frequency Drives (VFD)
- Long standing static positing. It will hold full load indefinitely
- High duty cycle for reliability
- Compatible with alternating current AC or direct current DC motors



Belt Drive and Ball Screw lifts are perfect for use in skillet lift conveyor applications

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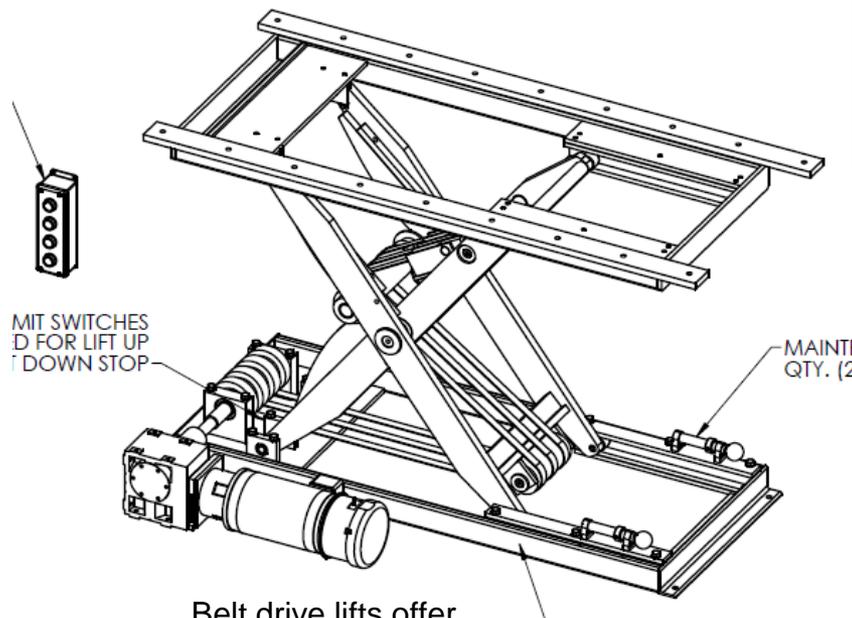
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**The Enkon Belt Drive lift provides extreme versatility at a very competitive price.** A major innovation in the scissor lift table industry which will be around for many years to come.

**Highlights**

- Precision control +/- .06 (1.5 mm)
- Speeds up to 5 inches/sec (127 mm/second)
- No fluids or gas
- Zero load drift. It will hold full load indefinitely
- High capacity lifting from 200 lbs to 50,000 lbs (22,680 kg)



Belt drive lifts offer precision even after a million cycles



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The Enkon Belt Drive Scissor Lift Systems are used to support advanced manufacturing conveyor systems and automation applications.

Very low  
Maintenance  
requirements

Highlights

- High-strength steel welded construction complies with ANSI MH29.1-1994
- PTFE overlay on bearings at all pivot points
- Low noise for meeting OSHA standards for work environment safety



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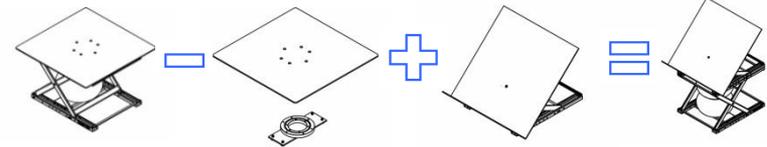
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**Lifting Enkon General Industry A-Series Lift Tables.** These lifts are structurally engineered to optimize strength and materials thus eliminating expensive steel from areas where it is not needed.



Traditional lifts can not be modified after they are sold. If the customer wants to change any part of the lift, they will have to buy an entirely new lift. This is very expensive!

+



=



Enkon offers the customer the ability to change out the most important features of the lift. All of the lift's major components can be removed and replaced with different components based on the current need.

With the ability to change out features instead of the entire lift, the customer's ROI is greatly increased. This also allows the customer the ability to **react quickly** to changes in their applications.

## Flexibility

### General Industry A-Series

Very durable pneumatic lift tables at extremely low prices. These General Industry Lifts are easy-to-use and easy-to-maintain while improving ergonomics in the work place.



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The new standard in lift tables is the Enkon direct-lifting 4" low profile lift. With no costly cylinders to maintain, no expensive electrical drops required, and no oil leaks; it's no wonder the Enkon patented direct lifting air lifts are specified at many major manufacturing plants.



Scissors are only used only for vertical tracking as a result of the direct lifting air bag. This increases the lifts longevity.

**EnKon**™ by **herkules**

## Designed-in Flexibility

Enkon Heavy Duty Lift Tables are easily customized. Designed and built as modules, 90% of the design and engineering are already completed, providing maximum flexibility to meet your exact material handling application.



- 100% air operated
- No electricity
- No oil leaks
- Quick installations

## Application Photos



**EnKon**™ by **herkules**

**Designed-in Flexibility is the standard for EnKon Systems new hydraulic scissor lifts that offer height and dimension ranges needed for many standard material handling applications**



Hydraulic lifts fit applications where the customer does not have in-plant air lines.



### **Designed-in Flexibility**

Enkon Hydraulic Lift Tables are easily integrated into most material handling and ergonomic designs.



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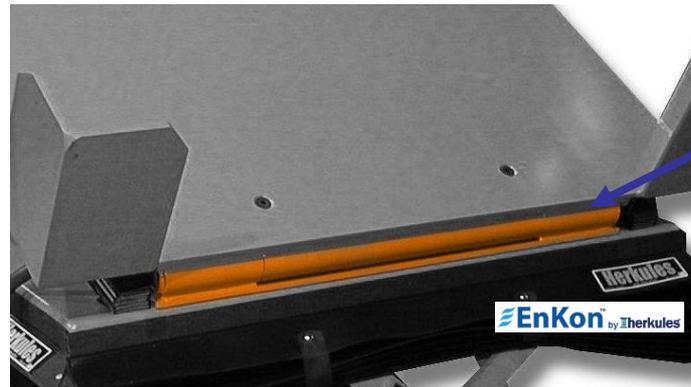
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High capacity tilting modules position material at the optimum angle for the associate. Built with a sturdy construction that can stand up to abuse from forklift truck loading and unloading. The 4" lowered height facilitates greater packing densities that the competitions 8" lowered heights can not achieve.



Continuous piano style hinge provides stability and safety by eliminating pinch points.



Dual tilt modules are used for extra long racks. Capacities up to 14,000lbs can be achieved.



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The industry standard for leading assembly and manufacturing plants around the country. Enkon lift & tilts are only 8" when fully lowered, which allows for increased packing density. The direct lifting air bag all but eliminates load bounce found in competing air lift & tilt tables.

### Modular Design

The low profile tilt module can be used alone or added to a lift. Sturdy construction can stand up to abuse from forklift trucks. Continuous hinge provides stability and safety by eliminating pinch points.



### Low Profile

With a lifting capacity upwards of 8,000lbs Enkon can still maintain a lowered height of only 8"

**These cycle time reducing systems allow you to provide a steady, uninterrupted supply of materials.** By adding ergonomic lifts, lifts and rotates, tilts or lift and tilts you can provide the proper ergonomics all while reducing lag time between fork truck loading.



### Spiral Gear Drive

The gear drive utilizes precision accuracy with automatic locking when not under power.



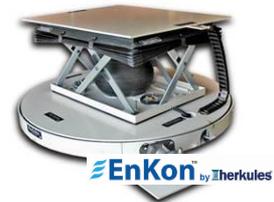
(2) Tilt load positions



(2) Lift & Rotate load positions



(4) Lift & Rotate load positions



(1) Lift load position

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**Ideal for providing a continuous supply of material with multiple load positions or simply to improve ergonomics.** The EnKon Manual Rotates are well suited for extreme industrial abuse with their High Grade Slewing Bearings and robust construction.



**High Grade Bearing**  
24,000lb load rated bearing allows for easy rotation and durability



(2) load positions



(1) load position on a riser

**Air Brake**  
The air brake provides infinite stop and lock positions.



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As the premier lift & rotate on the market today, the EnKon VR-960 model is in high demand by top producing automotive plants and tier-one suppliers. With a High-Grade Slewing Bearing that never breaks and rotates with extreme ease, this lift is in a class of its own. Also features a 6.5" lowered height for increased pallet density.

### Modular Design

The combination of a lift with rotate module provides the flexibility to position materials at both the optimum height and location for ease of handling.



### High Grade Bearing

24,000lb load rated bearing allows for easy rotation and durability.

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Enkon Cart Lifts allow your push carts to be positioned at the correct ergonomic heights. With each cart lift designed and built to your exact cart specifications, flawless integration is guaranteed.



**Designed-in Flexibility**  
Low Profile - Enkon lifts provide the lowest profile in the industry, accommodating low clearance carts, and providing a wider range of ergonomically correct worker heights.



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Controller allows up/down movement with a simple movement of the joystick lever.

## CUSTOMIZATION

Customers can specify platform size, hand railing, travel and many other features to meet their application needs.



Lifts are powered by electric belt drive, hydraulic and air.

**The Post Lifts floor mount lifting plate eliminates the need for floor excavation which traditional scissor lifts would require.** The Post Lift also offers access to three sides of the pallet or cart for easy loading and unloading by the operator.

## FEATURES

- Closed height is as low as 3/8"
- 100 to 5000 lb capacity
- Powered by Ball Screw, Acme Screw, Belt Drive and Hydraulic
- Post lift is surface mounted onto floor with 6 anchor bolts.
- Powered by electricity.
- Controls can be mounted on post, on a separate pedestal stand or foot-controlled
- Plate is equipped with cart position locking features



## Cart Lifting

Plate size is customized to exactly fit your facility's cart and/or pallet size



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**With a smooth one-to-one lift ratio, and lifting capacities of up to 57,000lbs;** there are few conveyor applications that can not utilize the patented Enkon air lifts. Enkon offers 100% air operation, no oil leaks, unbeatable pricing, 2 to 4 week deliveries, PLC integration, and CAD files for your layouts.

## Lowest Top of Roller

The 4" low profile allows for the lowest possible top of roller height.

Zone controlled positions allow for multiple loading positions and extended travel.

## Rock Solid Positions

When the air bag is fully inflated or fully deflated thousands of pounds can be loaded onto the lift table.



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The Enkon lifts can become portable via rails, casters, or air bearings. When a stationary lift will not work for your application, there are several options available that can both increase production and reduce operator strain.



**Casters** allow for mobility when loads are less than 2,400lbs



**Air Bearings** use a film of air to float thousands of pounds for effortless movement.



**Effortless Movement**  
No load is too heavy to move with the use of air bearing pads.

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**Installation location:  
United States National  
Historic Site of  
Abraham Lincoln's  
Home in Springfield  
Illinois**



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