

# Custom Lift Solutions

for Process and Operations Excellence



**Comprehensive In-House Engineering,  
Manufacturing & Support**



# Specific Challenges Need Specific Solutions.

There are two types of lift systems available for industrial applications: those that have been engineered and built to the unique requirements of each customer and application, and those that haven't.

The benefits of the first approach include greater safety, performance and productivity, easier integration into existing processes, longer service life, reduced downtime, lower maintenance expense, improved ergonomics, and higher ROI. Depending on supplier, the second approach could represent nothing more than a potentially expensive set of compromises.

By choosing an EnKon by Herkules lift system, you can be certain your needs will be reflected in every design element and construction feature. In fact, we encourage customers to be involved at each step of the journey, from the initial phone call to delivery and installation, to ensure a superior outcome.

Here's how this journey will benefit you:

## DETERMINING YOUR DIRECTION

We'll begin by identifying the exact requirements of your application. What is the duty cycle? How low will it need to be? How fast? EnKon by Herkules engineers will use this and other key information to ensure the finished system performs to your highest expectations.

## IDENTIFYING YOUR OPTIONS

Every project requires unique solutions. We'll help you understand all the options available in developing the ideal lift system for your process requirements, timing and budget.

## LONG-TERM SUPPORT

Our passion for your success won't end with the installation of your new lift. Our engineering and support professionals are always available to help address any issues or identify new opportunities to enhance process automation for your business.



# Expertise

EnKon by Herkules lift systems are engineered and manufactured exclusively by Herkules Equipment Corporation in the company's ultra-modern, ISO 9001:2015 certified facility near Detroit, Michigan.

Founded in 1985, Herkules is a globally respected manufacturer of highly advanced, exceedingly durable equipment and robotic automation systems used in manufacturing, material handling and dozens of other industrial applications.

EnKon by Herkules scissor lift table solutions provide seamless integration into new, advanced automation systems as well as existing systems and processes. And each is backed by a team of highly skilled service and support professionals based in the USA.



# Solutions

- Advanced automation Vertical Robot
- Advanced Controls programming
- Vertical Robots (VR) for Autonomous Mobile Robots (AMR)
- Vertical Robots (VR) for Automated guided vehicles (AGV)
- Support equipment for AMR's, U-cell vertical robots, rallets, carrier plates, P&D stand
- High travel target acquisition and surveillance vertical robots
- Conveyor lifts
- Vertical Robot Lifts
- Belt drive lifts
- Ball screw lifts
- Air lifts
- Hydraulic lifts
- Low-profile lifts
- Switcher systems
- Tilts
- Lifts & tilts
- Lift & rotates
- Rotates
- Rotate & tilts
- Line-side lifts
- Post lift systems
- Cart lifts
- Operator lifts
- & more





# Vertical Robot™ Scissor Lifts

## Belt Drive for Precision Control

EnKon belt drive scissor lift tables are customizable to your exact specification. We refer to them as “Vertical Robots”, accommodating advanced automation applications by accurately positioning product in various calculated heights for repeatable accuracy and precise control. Raise loads as fast as 12 in./sec. or as slow as .03 in./sec. for precise applications. These lifts are 100% electric powered for clean, green operation. Designed, tested, and manufactured in the USA, our Vertical Robots offer unsurpassed quality that will last for millions of cycles.

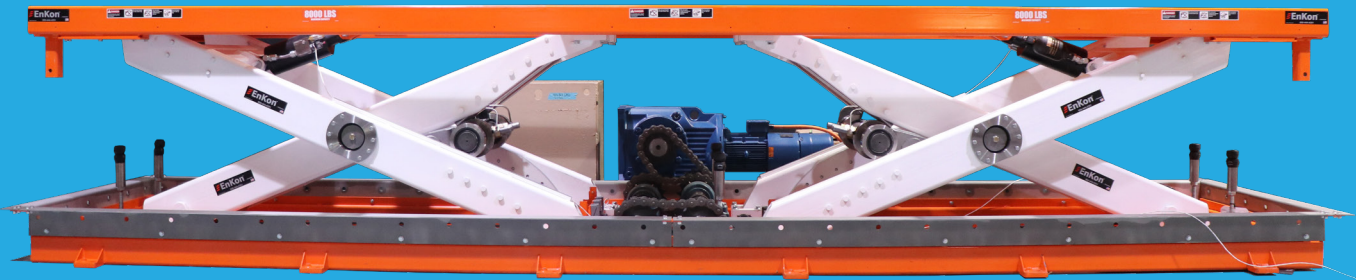


Belt Drive Lift

The following safety features are available as standard or optional: fully redundant secondary anti-fall locking device, fast-acting normally-locked motor brake, multiple belt system, system-ready safety switches on each belt, maintenance safety device, emergency stop switch, upper limit switch, upper over-travel limit switch, lower limit switch, lower over-travel limit switch, safety toe stop and safety bellows skirting. Other features include one-touch controls, multiple position automated controls and controls for explosion protection.



Belt Drive Lift



AGV Lift



Conveyor Lifts



Rotate & Tilts



Post Lifts



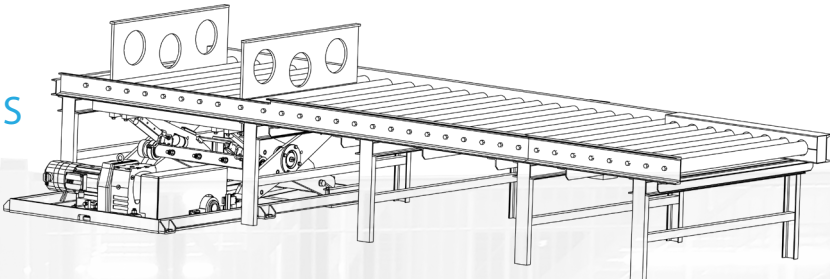


# Unmatched In-House Support



## DETAILED ENGINEERING SERVICES

- Aerospace
- Chemical
- Civil
- Electrical & electronics
- Electro-mechanical
- Fluids & thermal
- Mechanical
- Specialized data acquisition & control systems
- Structural

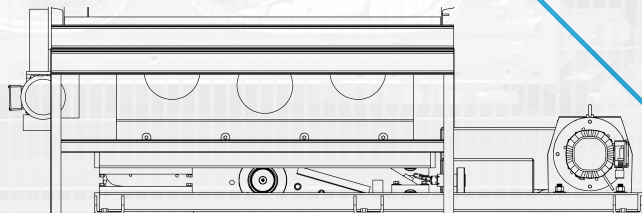
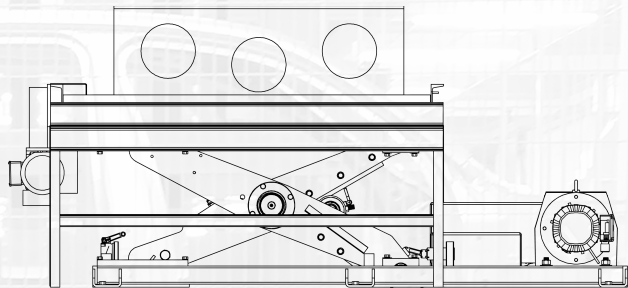


## PRODUCT DEVELOPMENT SERVICES

- Integration & testing operations, maintenance, sustainability
- Project management
- Systems engineering

## DESIGN, DEVELOPMENT & PRODUCTION

- Complex systems engineering, validation
- Complex welding, tubing, wiring
- Control systems design for Hazardous classifications
- Documentation control system: ISO Certified
- Hardware specifications
- Liquid & gas process system design, fabrication, installation, checkout
- Piping & pipe-support design, fabrication, installation
- Process system instrumentation
- Programming for HMI & PLC
- Systems for specialized environments
- Systems integration
- Stress analysis, heat transfer, thermal flow
- Vacuum system design, fabrication, installation, validation



# Modular Components/Systems

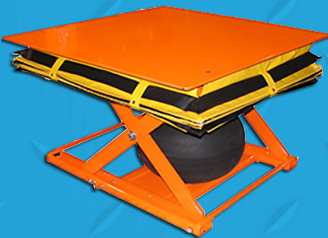
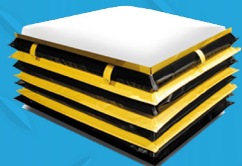
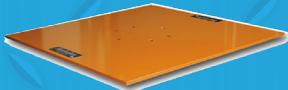
## READY-TO-SHIP SYSTEMS, BUILT TO LAST

When you need to address a new process requirement right now, EnKon by Herkules has the solution. Our off-the-shelf, modular systems – designed and built right here in the USA – enable customers to save time and money on a standard system that will provide years of productive service.

This modular approach also enables users to add new, bolt-on features and functionality as their needs change.

Both the Enkon A-Series Pneumatic and ELTO Vertical Robot 100% electric scissor lift tables offer off-the-shelf alternatives to high maintenance hydraulic lifts for standard applications.

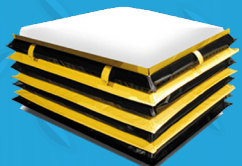
A-Series



ELTO



or





## Tested and Certified

Providing companies worldwide with quality material handling systems, Herkules has thoroughly tested every technology used for our EnKon lift tables.

### ***Enkon Vertical Robot™ Electric Scissor Lift Tables***



- Patented gear motor technology for low profile
- High volume manufacturing designs available
- Precision control programming for any position
- Controlled descent that meets ANSI standards
- Optional redundant anti-fall device
- Go-to option when off-the-shelf lifts won't work

### ***Enkon Pneumatic Scissor Lift Tables***



- Patented air bag technology for high capacity
- One-to-one lift ratio reduces stress for long life
- Ultra-low-profile design
- Four scissor designs available for conveyor applications



Herkules is committed to maintaining high standards with our practices and processes, which is why our company has earned ISO 9001 certification. We manufacture world class lift tables and support our customers from our facility near Detroit, Michigan.

Herkules Patent Numbers - These products have patent protection under one or more of the following patent numbers: 20240262660, 20240084878, 20230383815, 20230382698, 2020381955, 11795041, 9422142, 8733508, 8714524, 866247, 8052120, 7070167, 5485860, 5193561, 5174317, 4960142, 4793369 and Patents Pending

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