

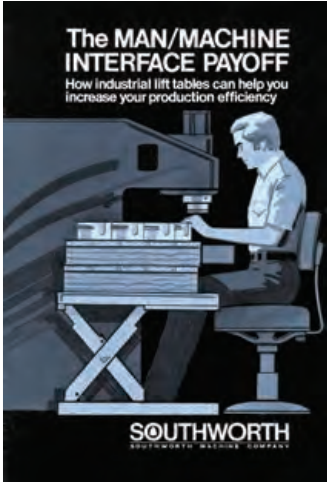
# Making Work Faster, Safer, and Easier

with Lifting, Positioning, and Transporting Products

**SOUTHWORTH**  
making work faster, safer, and easier since 1890



# INCREASE WORKER PRODUCTIVITY AND PROFITS WITH IMPROVED ERGONOMICS



THE MAN/MACHINE  
INTERFACE PAYOFF  
Published 1972

When we began writing about Ergonomics 45 years ago, we were simply attempting to bring a more scientific perspective to a common sense issue. If you consider the capabilities and limitations of the worker in the design of the workplace, the worker will be more productive and that productivity contributes to profit.

At the time we had no idea that the topic of ergonomics would become so widely discussed, by so many people, in so many professions, with so many agendas. Despite all of the politics and hoopla, our view today is the same as it was decades ago. The practical application of ergonomic principles is a core business proposition. Yes, it is about reducing worker fatigue and the risk of worker injury, which are very worthwhile objectives. However, the real desired benefit driving factory or warehouse investment is increased productivity and an improved bottom line. That's what an investment in practical ergonomics produces and that is the point we have been making for decades.

Southworth® is proud to offer more products that improve productivity than any other materials handling company. The following pages have specific products and descriptions of how they can improve your company's bottom line. For more information please call us at 800-743-1000 or visit [www.SouthworthProducts.com](http://www.SouthworthProducts.com).



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The Industry's Broadest and Most Comprehensive Line of Lifting and Positioning Equipment



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# Lift Tables

Improve Productivity While Reducing the Risk of Worker Injury



Positioning the work is easier, safer, and much more productive than positioning the torsos of workers. The elimination of lifting, bending and reaching is made possible by vertical adjustment to an infinite number of positions within a lift's working range. The addition of various options can provide an added measure of improvement to specific applications.

There are literally hundreds of uses for lift tables in manufacturing, warehousing and distribution facilities. The addition of these inexpensive devices makes the work faster, safer, and easier.

Some typical applications include: machine feeding and offloading; product assembly; inspection/quality control; repair; feeding and offloading conveyors; and bridging different conveyor levels. There are many other applications requiring heavier capacities, extreme load dimensions, and higher vertical travel.

Whatever the lift requirements, incorporating specification rich, high-quality Southworth lift tables always makes the work environment safer and more efficient.



## Backsaver Lifts™

Over one million configurations available.



## Pneumatic Lift Tables

For use anywhere shop air is available.





### Backsaver Lite™ / Backsaver Compact

For lower capacity requirements 500 - 1500 lbs.



### Heavy-Duty Lifts

Lift loads up to 25,000 lbs. with ease.



### Spacesaver Lifts™

Extended vertical travel.



### Tandem Lifts

Extra long and extra wide platforms.



# Low-Profile Lift Tables

Load and Unload them with ordinary hand pallet trucks



Some lift tables require interface with carts, floor trucks, pallet jacks and other floor height transporters. If facility circumstances do not allow for pit mounting traditional lift tables, Southworth offers an extensive array of specialty lift tables designed to accommodate any type of transporter.

They include tables with:

- Roll-On accessibility
- Roll-Over accessibility
- Roll-In accessibility
- Roll-Up accessibility

For details, request our Low-Profile Lifts catalog.

Incorporating these special use floor height lift tables into many applications provides all of the benefits of vertical positioning and lifting which makes workers more productive.



## Floor Height Lift Tables

Lowers to floor level for loading with a hand pallet truck.



## Mast Style Lifts

Access parts in totes or small bins. Choose forks or platform.



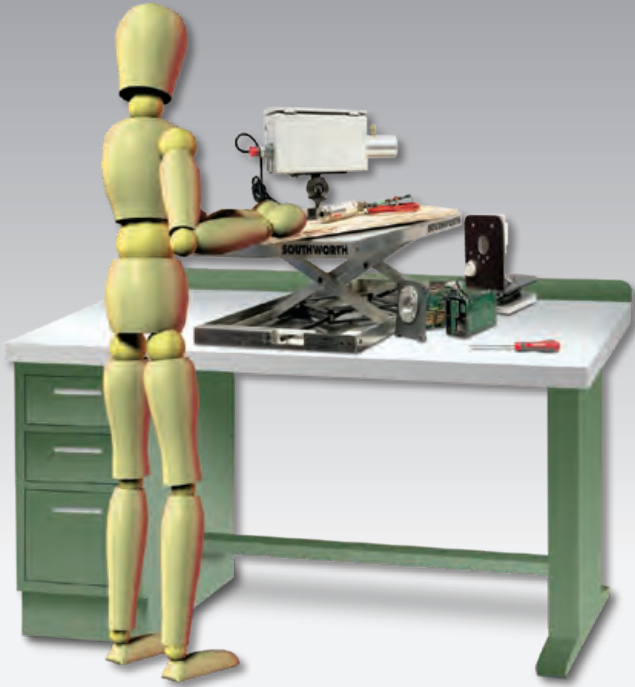
## LIFTMAT™ Lift Tables

Four side access, no reachover. Ramp option for hand pallet truck access.





# Work-Lite™ Positioners



Many vertical positioning applications for packaging, assembly, inspection, testing, etc. in factories and warehouses do not involve heavy objects. Great productivity and safety benefits are available by simply positioning lighter work pieces so that workers do not need to bend, stoop or contort to do their jobs.

Southworth's vertical work positioners include:

- Elevating work surfaces allowing ideal positioning while sitting or standing
- Hand carried adjustable platforms for bench tops or field work
- Container retrofits to keep contents at an easily accessible height

Because the height of the work can be adjusted quickly and easily, workers maintain a comfortable posture at all times regardless of their height. This better positioning also improves both the output and quality of work.



## Lift-Tool

The portable lifting, positioning, and assembly tool. Raise or lower it with an ordinary cordless drill.



## Elevation Station™

Powered adjustable height work platform. Top can be flipped for smooth or non-skid surface



## Custom Retrofits

Previous investments in storage products improved with custom engineered retrofits



# Portable Lifts

Effortlessly Lift and Move Objects in the Lab, Plant or Warehouse



In virtually every plant, shop, stockroom, warehouse, or office there is a need to transport materials, equipment and supplies with a minimum of lifting. Employees risk injury by carrying loads from one location to another, or from lifting them from the floor to a workbench or shelf. Lifter/transporters combine two functions in one machine to do the job faster and safer.

Southworth's variety of transport equipment is designed to meet the widest range of application needs and includes:

- Practical and economical foot pump units
- Double scissor units to lift loads over 5'
- Mechanical units, ideal for clean environments
- Power drive units for long distance travel
- Fork platform models for handling pallets/skids

For more details, request our Dandy Lifts, Lift Table or Pallet Handling catalogs.

Sliding boxes off of pallets, workbenches, or shelves onto lifter/transporters eliminates lifting. Once loaded they move easily around the plant, even in tight spaces where a forklift could not go. Loads can then be vertically positioned for easy offloading. Workers are more productive, fatigue is reduced and the risk of injury is minimized.



## Backsaver Lite™ Portable

Available in manual or powered drive.

## Powered Dandy

Precise powered lifting in a clean, compact unit.







### Dandy™ Lift Lifter/Transporter

Handy foot pump lifts loads to just the right height. Capacities from 150 to 1,700 lbs.



### Dandy Leveler™

Spring mechanism automatically adjusts for level feeding/offloading.



### Stack-N-Go™ Powered Stackers

Compact power driven stackers in straddle or fork over configurations.



### Pallet Transporters and Stackers

Lift, position and transport with a single unit. See Pallet Handling section for details.



# Turntables

Make Standard Lifts Even More Productive by Improving Access to the Load



Turntables and lifts with integrated turntables make many common production, assembly, and packaging jobs faster, safer, and easier. Southworth offers a variety of turntable options to suit any requirement.

They include:

- Top mounted turntables that sit on top of lift tables or fixed height platforms
- Floor mounted turntables which are permanently fixed to the floor for dedicated operations
- Powered turntables that rotate loads 360° at the touch of a button
- Lifts with built-in turntables that sit flush to the lift platform
- Portable pallet turntables designed to rotate pallets for near side loading and unloading

Walking around loads on platforms, pallets or even directly on the floor presents a number of productivity and safety issues. Turntables allow workers complete 360° access to items while remaining in the same location. As a result, workers have better access to tools and work, improving the quality and productivity of their work.



## Powered Turntables

Rotate heavy loads 360° at the touch of a button.



## Non-Powered Turntables

Available in "top mount" or "flush mount" configurations.



## Pallet Turntables

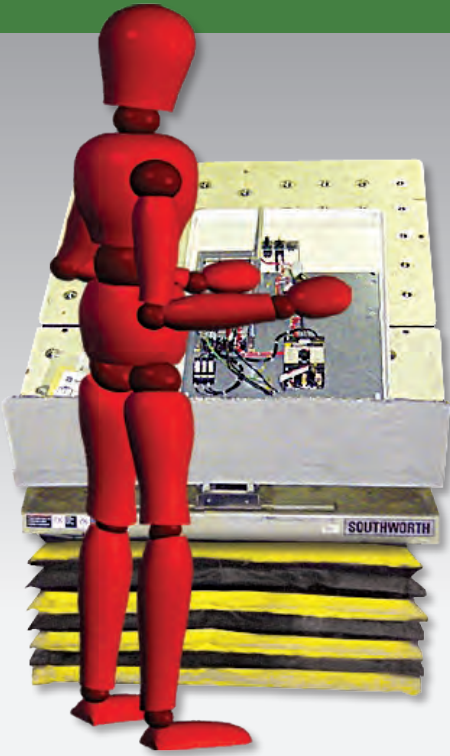
Sit directly on the floor. Easily moved or relocated.





# Custom Platforms & Finishes

## Products Configured Specifically for the Application



Southworth offers custom lift table platforms designed to simplify feeding, off-loading, transferring, repositioning or reorienting work to the most comfortable position and angle. There are scores of available configurations. A few of the most common include:

- Tilt tops that position loads at any angle from 0° - 85°
- Moving tops via rollers, belt, or ball transfer for conveying or positioning work
- Special finishes and materials of construction for environmental, security or aesthetic circumstances

The addition of a custom platform or top to a standard lift table can have a dramatic effect on the bottom line. Whether used for getting work to and from the worker faster, or to reposition loads for maximum access and worker comfort, productivity gains are significant.



### Better Angles

Tilt loads up to 85°. Choose hydraulic or pneumatic. Mount on floor, fixed height platform or lift.



### Better Flow

Transfer tops for assembly applications or moving loads between two levels.



### Special Finishes

A variety of top materials, finishes and full construction for washdown and other special environments.





# Pallet Handling

## Load Pallets Quickly and Safely Without Lifting, Stretching or Walking



More items are shipped on skids or pallets than all other packaging methods combined. Loading and unloading these pallets is a backbreaking, time consuming job. Southworth PalletPal® Products speed and simplify the process, safely increasing the amount of goods that can be shipped or received every day.

Nearly three decades ago, Southworth introduced the original PalletPal Level Loader for manual pallet loading and unloading. Since then, our pallet handling line has grown to include:

- Spring and air actuated units
- Roll-On and Roll-In units for use with hand pallet trucks
- Portable Turntables
- Mobile Levelers
- Pallet Stackers for storage access
- Pallet Rotators/Inverters for load transfers

For more details, request our PalletPal catalog.

Maintaining a constant working height and nearside access allows workers to load and unload pallets quickly and easily, expending minimum effort while avoiding the risk of injury. Rotators eliminate nearly all manual restacking.



### PalletPal® 360° Automatic Level Loaders

The automatic load levelers that started a revolution. Available in mechanical or pneumatic.



### PalletPal® Pallet Rotators/Inverters

Rotates in seconds. Replace broken pallets; transfer to in-house/shipping pallets/slip sheets.





### PalletPal® Walkie

Spring Level Loader works with existing powered pallet trucks.



### Roll-on™ Level Loader

Hand pallet truck accessible. Turntable option available.



### Roll-In™ Level Loader

Four-side access. Available in "E" or "U" shape configuration.



### PalletPal® Mobile Leveler

Use as a transporter, feeder, or work positioner. Powered lift.



### PalletPal® Lift Truck

A palletizer and transporter in a single unit with powered lift.



### PalletPal® Disc Turntables

Rotate loads for nearside access. Hand pallet truck accessible.





# Container Handling

## Tilt Baskets for Access to Contents Without Bending, Reaching, or Stretching



Accessing parts in containers is one of the most significant productivity thieves in any manufacturing or assembly operation. Southworth container tilters improve productivity and safety by positioning baskets so that parts are easily accessible without bending, stretching, or reaching. Southworth offers more models and configurations of container tilters than any other manufacturer.

- Capacities up to 4,000 lbs
- AC or DC power
- Hand pallet truck accessibility
- Independent control of lift and tilt

For more details, request our Container Tilter Catalog.

In almost every case we've ever seen, production machines work faster than the people feeding them. Getting parts to machines faster not only increases worker productivity, it increases machine productivity, improving R.O.I. and shortening the amount of time it takes for production equipment to "pay for itself", while always improving the safety of the worker.



### E-Z Reach™ Portable

Our most popular, versatile tilter. Choose AC or DC power.



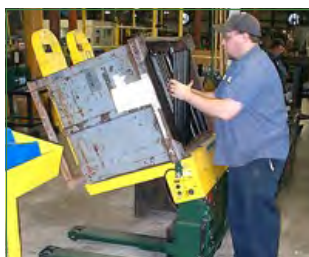
### E-Z Reach™ Lift & Tilt

For precise positioning of height and angle.



### E-Z Reach™ Universal

Hand pallet truck accessible, works with all containers.





# Tilting & Upending

## Tilt Loads for Improved Access, Tilt or Reorient Rolls and Coils



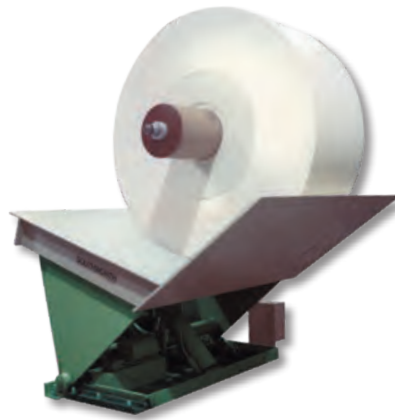
Tilters and upenders perform a variety of important tasks in all types of manufacturing and processing facilities. When loads need to be reorientated or positioned for better access, upenders fit the bill. For positioning large rolls of paper, film or foil, roll handling tables can be used to feed at one end of a line or take away at the other end. Southworth products are available in several configurations to suit the platform, tilt angle and capacity requirements of any application.

Reorienting work or material between horizontal and vertical positions should only be attempted with equipment that truly secures the load. Otherwise, there is a risk of time consuming production bottlenecks as well as an increased risk of injury. By incorporating tilters or upenders into the process, work flows quickly, smoothly and safely.



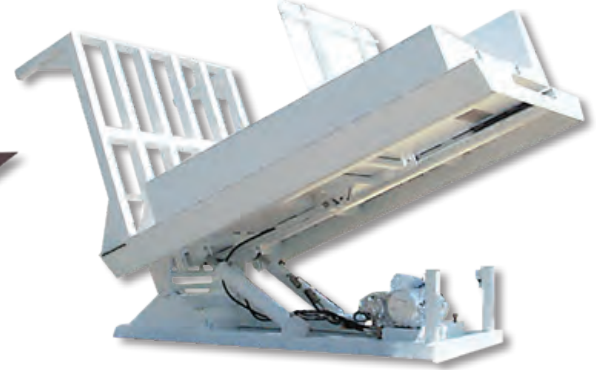
### Upenders

Reorient heavy loads 90°.



### Roll Handling Tables

Lift and position heavy rolls.



### Customized Upender

A custom designed upending device used for appliance assembly.



# Worker Platforms

## Position Workers Without the Risks or Hassles of Ladders and Scaffolding



For assembly or maintenance operations where large structures, such as aircraft or heavy equipment, must be accessed at elevated or varying heights, Southworth offers custom configured lifts that can be designed or retrofitted into most operations. More flexible and safer than scaffolding or ladders, these worker platforms are also appropriate for stock picking from vertically stacked compartments of storage carousels or rack systems.

With the industry's longest history and greatest experience, we offer stable lifts in stationary or movable configurations in a multitude of platform sizes and lifting ranges, working with the customer to accommodate budgetary limitations as well as unique, application-specific requirements.

Avoiding the risks of ladders and the hassles of scaffolding while gaining the speed, flexibility and security of a powered platform creates a more productive and safer work environment.

Options include:

- Indexed positioning
- Slide-out ramps and bridges
- Fixed or adjustable gates and hand rails
- Custom deck treatments
- Custom controls







### Manufacturing/Assembly Platforms

Provide safe, convenient access to large equipment at varying heights.



### Elevating Platforms with Integrated Lift Stations

Main platform travels up/down to pick items. Lift stations adjust height for working with picked loads.



### Carousel Access Platforms

Installed at horizontal carousels to provide access to items in higher storage locations.



### Extending Bridge Platforms

Slide out of the way when not in use. Provides lift clearance for odd shaped items.





# Facility Lifts

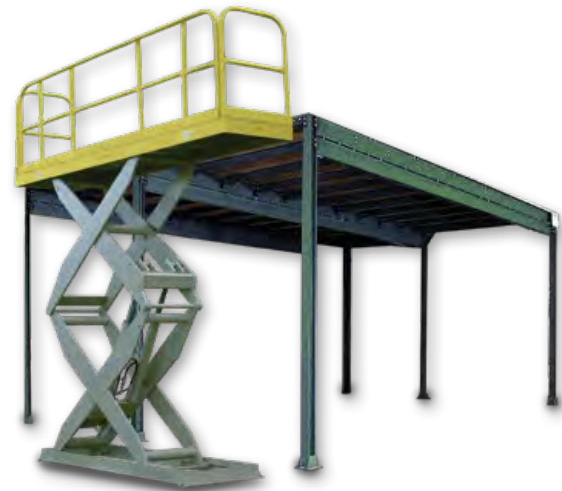
## Facility Lifts for Stand-Alone or Integrated Systems



In addition to work positioning lifts, Southworth manufactures a full line of facility lifts. As stand-alone units or as part of an integrated material flow system, these products simplify the task of getting items into and out of the building, as well as accessing storage and inventory areas.

- Dock Lifts provide access between trucks with varying bed heights and loading docks or to grade level
- Floor-to-Floor lifts move loads quickly and easily between building levels providing access to, and better utilization of, mezzanines or second floors
- Maintenance lifts move production equipment between floors for service, or can bring the service equipment up and down as required

The up and down movement requirements in facilities are endless and Southworth equipment provides opportunities to improve production flow and worker safety in any facility.



### DURA-DOCK™ Dock Lifts

Corrosion resistant, galvanized base and legs.

### Heavy-Duty Dock Lifts

Suitable for use with heavy loads up to 20,000 lbs.

### Floor-to-Floor Lifts\*

Safe, convenient access to mezzanines or raised platforms.

\*Enclosure removed for illustrative purposes



# Engineered Solutions

## Custom Lifting, and Positioning Equipment for Dedicated Applications



Southworth has designed, engineered, built, and installed lifts for almost every application imaginable. If we can't satisfy your needs with a standard product, we have the ability to modify a lift or even design a new one specifically for you.

Southworth has more engineers and a longer history than any other lift table manufacturer. When an application is encountered that requires custom equipment, they work closely with the user to make sure the best possible solution is used. Although there isn't much they haven't seen, they remain dedicated to a philosophy of innovation and accommodation.

- Years of engineering knowledge
- State-of-the-art 3D CADD system
- Complete coordination to your application



### Coil Cars

Handle jumbo rolls and coils up to 70 tons.



### Container Unloaders

For automatic unloading of a variety of containers.



### Roll Handling Systems

Roll handlers, shaft pullers and transporters.





# Providing Easy, Fast, and Guaranteed Service

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## Factory Trained Distributors Make Selection Easy

Southworth Distributors are the industry's best trained. They can identify trouble spots and help you to correct workplace problems that are robbing you of productivity and exposing you and your workers to the dangers and multiple costs of injuries.



## A Tradition of Innovation and Manufacturing Excellence Delivering the Right Products at the Right Time

For over 125 years, Southworth has been designing and building products that increase worker and machine productivity. During this long history, Southworth has become the driving force behind the development and design of more lifting, positioning, and transporting equipment than any other company in the world. This dedication to innovation is matched by our commitment to manufacturing excellence.



## All With the Best Guarantee in the Business

Not only do the products ship with the strongest warranty but, Southworth has established an extensive service network to protect your investment for years. From selection to delivery to installation and field support, every step of your Southworth experience is guaranteed.



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