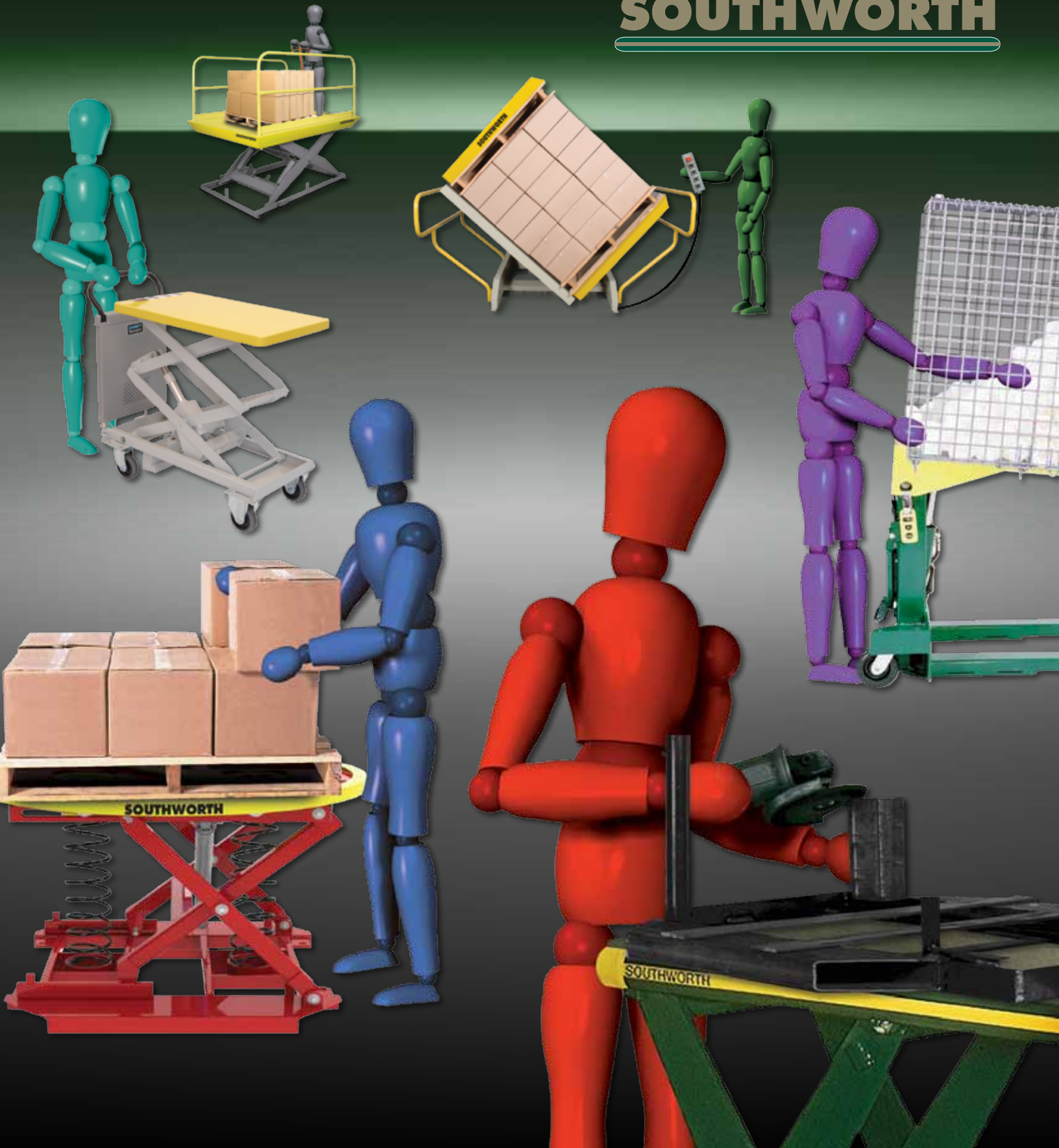


Making Work Faster, Safer, and Easier

with Lifting, Positioning, and Transporting Products

SOUTHWORTH



Increase Worker Productivity and Profits with Improved Ergonomics



THE MAN/MACHINE
INTERFACE PAYOFF
Published 1972

When we began writing about Ergonomics 40 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 40 years 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.

Improvement in productivity from the use of ergonomic equipment is easier to achieve and more important than ever. Lean manufacturing or warehousing requires minimizing material handling and all of the products described in this brochure can do just that. In an effort to demonstrate that ergonomic equipment will "pay for itself" we have developed a simple cost justification wheel. It shows how percentage gains in productivity can usually provide full payback of equipment costs in just a few months. If you would like a wheel, just give us a call and we'll be happy to send you one.

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.

SOUTHWORTH
We'll Show You How

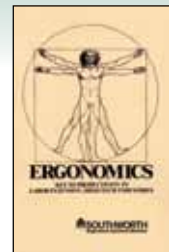
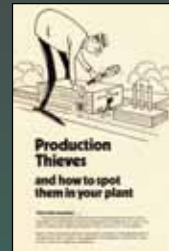


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Line of Lifting and Positioning Equipment



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Lift Tables

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

For more details request our Lift Table catalog.

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



Improve Productivity



Backsaver Lift™

Literally millions of configurations available.



Heavy-Duty Lifts

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

While Reducing the Risk of Worker Injury



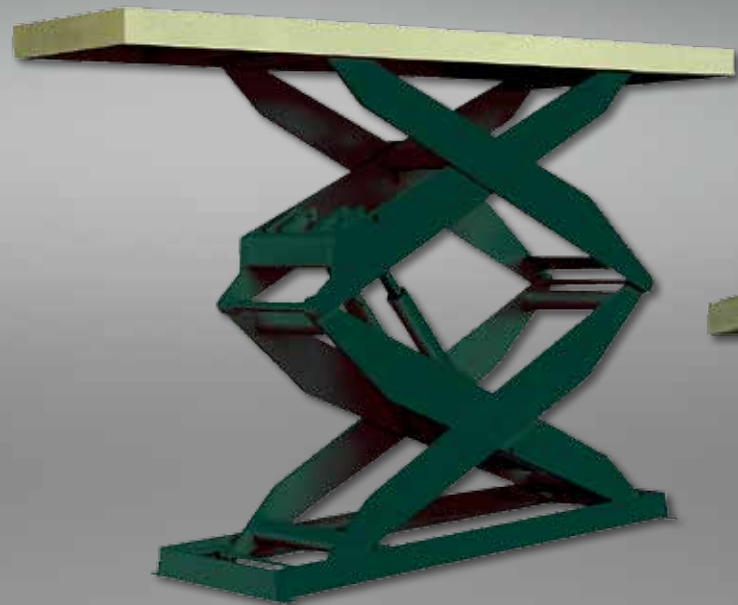
Pneumatic Lift Tables

For use anywhere that "shop air" is available.



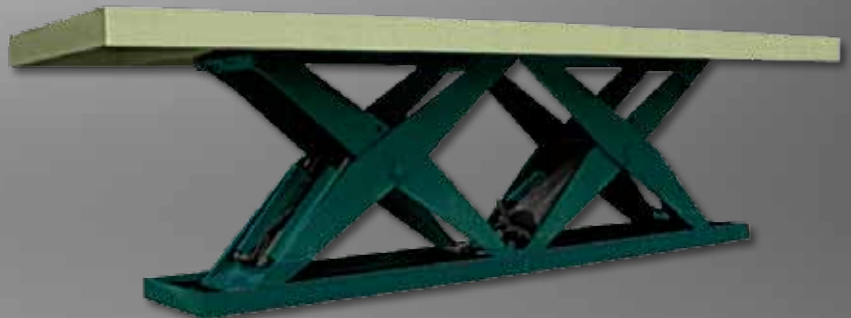
Backsaver Lite™ Compact

Tiny footprint with 36" lifting height.



Spacesaver™ Lifts

Extended vertical travel.



Tandem Lifts

Extra long and extra wide platforms.

Floor Height Lift Tables

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 Floor Height Lifts catalog.

Incorporating these special use floor height lift tables into many applications provides all of the benefits of vertical positioning and lifting making workers more productive. Often allowing one worker to perform tasks that normally require two. In either case, the work environment is always safer and more efficient.



Special Products for



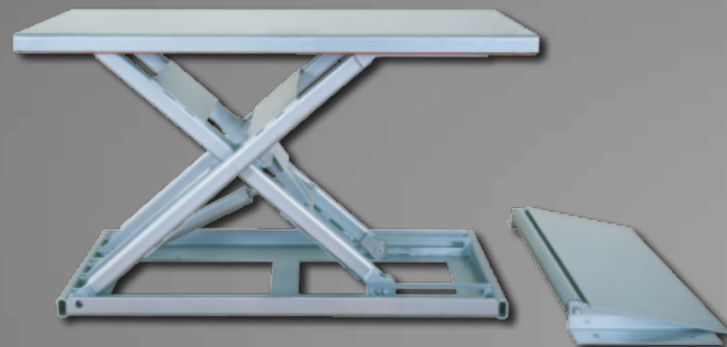
Floor Height Lift Tables

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

Unobstructed access with no reachover.
Optional ramp for hand pallet truck accessibility

Special Conditions



Elevation Station™

Powered adjustable height work platform with mechanical linear actuator.



Lift-Tool

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



Custom Retrofits

Often companies have previous investments in storage products that could benefit from an ergonomic boost. Engineered retrofits can be the answer.

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 workpieces 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 benchtops 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.



Portable Lifts

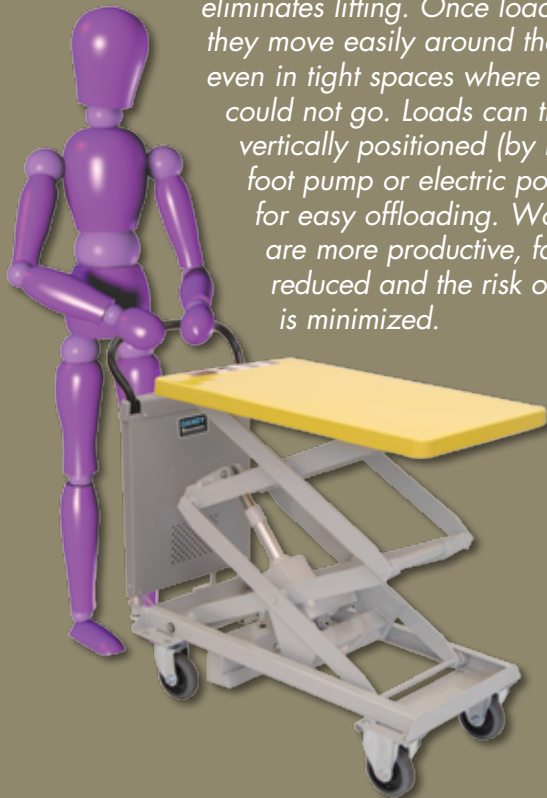
In virtually every plant, shop, stockroom, warehouse, or office there is a need to transport materials, equipment and supplies from place to place and with an absolute minimum of lifting. Employees often risk injury by carrying objects and loads from one location to another, or from lifting them from the floor to a workbench or shelf. Lifter/transporters combine two important 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:

- Foot pump units are practical and economical
- Double scissor units lift loads over 5'
- Mechanical units are ideal for clean environments
- Power drive units for long distance travel
- Fork mounted 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 (by manual foot pump or electric power), for easy offloading. Workers are more productive, fatigue is reduced and the risk of injury is minimized.



Effortlessly Lift and Move



Backsaver Lite™ Portable

Available in manual or powered drive.



Dandy Leveler™

Automatically adjusts for level feeding/offloading.

Objects in the Office, Lab, Plant, or Warehouse



Dandy™ Lift Lifter/Transporter

Handy foot pump lifts loads to just the right height.



Powered Dandy

Precise powered lifting in a clean, compact unit.



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

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 can rotate heavy loads a full 360° at the touch of a button.
- Lifts with built-in turntables that are essentially flush to the table platform.
- Portable pallet turntables designed to rotate pallet 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.



Make Standard Lifts



Powered Turntables

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



Non-Powered Turntables

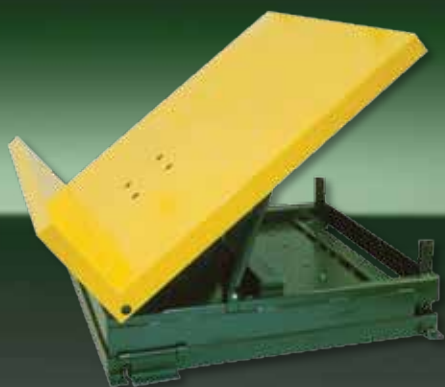
Available in "top mount" or "flush mount" configurations.



Pallet Turntables

Sit directly on the floor, can be easily moved or repositioned.

Even More Productive



Better Angles

Tilt loads up to 89°. Choose hydraulic or pneumatic.



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

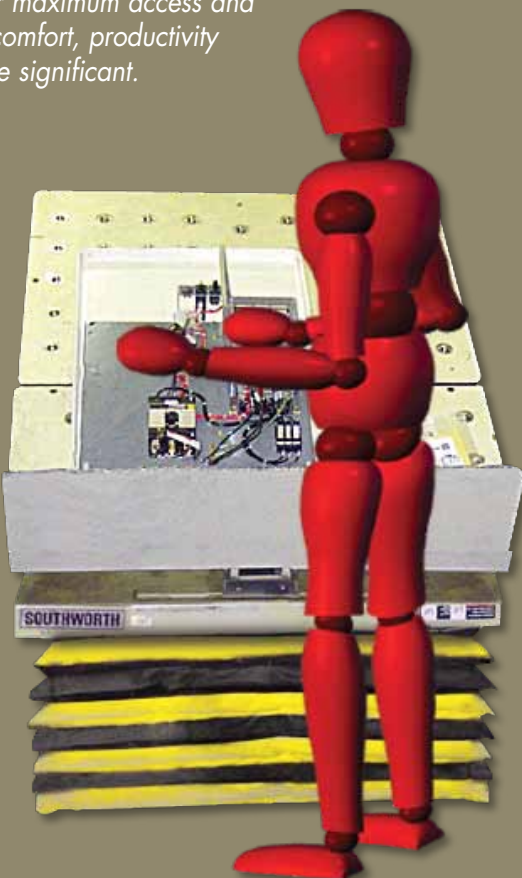
Custom Platforms & Finishes

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° - 89°
- Moving tops via rollers, belt, or ball transfer for conveying or positioning work.
- Special finishes 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.



Pallet Handling



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

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

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

For more details request our PalletPal catalog.

By maintaining a constant working height and nearside access as objects are added or removed, workers can build and break down pallet loads quickly and easily, while expending the minimum effort and avoiding the risk of injury. Rotators can further improve productivity and safety by eliminating nearly all manual restacking.



Load Pallets Quickly and



PalletPal® Automatic Level Loaders

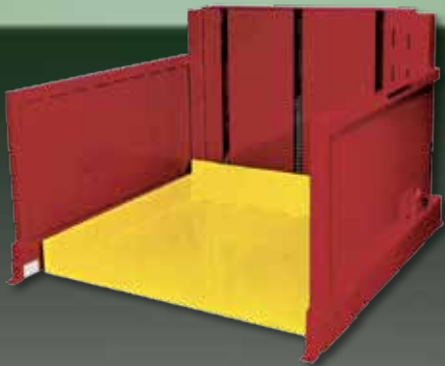
The automatic load levelers that started a revolution.
Available in mechanical or pneumatic.



Pallet Rotators/Inverters

Rotate loads in seconds at the touch of a button. Replace broken pallets, switch loads from in-house or shipping pallets, or transfer from pallets to slip sheets.

Safely Without Lifting, Stretching or Walking



Roll-On™ Level Loader

Hand pallet truck accessible.
Turntable option available.



PalletPal® Disc Turntables

Rotate loads for nearside access.



PalletPal® Lift Truck

A palletizer and transporter in one unit.



Roll-In™ Level Loader

Hand pallet truck
accessible with four-side access.



PalletPal® Mobile Leveler

The ultimate in versatility. Use as a
transporter, feeder, or pallet positioner.



Stack-N-Go™ Powered Stackers

Can be used to load and unload PalletPals
or as a stand alone pallet positioner.

Container Handling

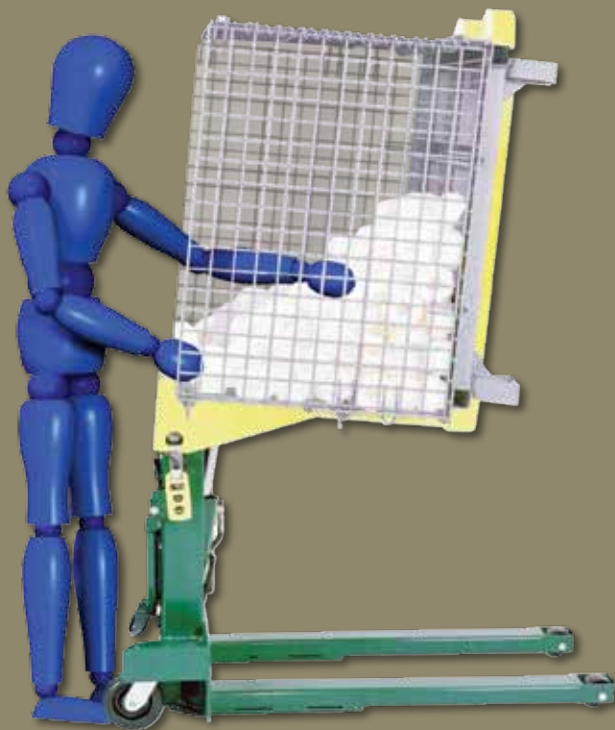


Accessing parts and containers is one of the most significant productivity thieves in any manufacturing or assembly operation. Southworth container tilters improve productivity and safety by positioning baskets so that parts are easily accessible without bending, stretching, or reaching. Southworth offers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



Tilt Baskets, Rolls



E-Z Reach™ Portable

Our most popular, versatile tilter.



E-Z Reach™ Lift and Tilt

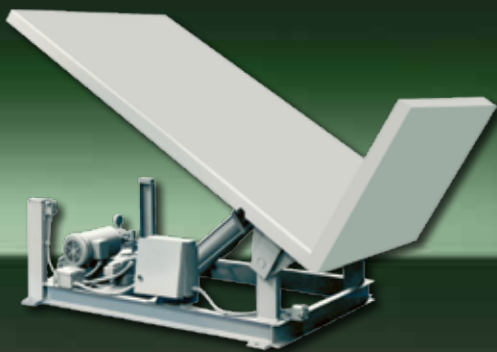
For precise positioning of height and angle.



E-Z Reach™ Universal

Hand pallet truck accessible, works with all containers.

and Other Loads



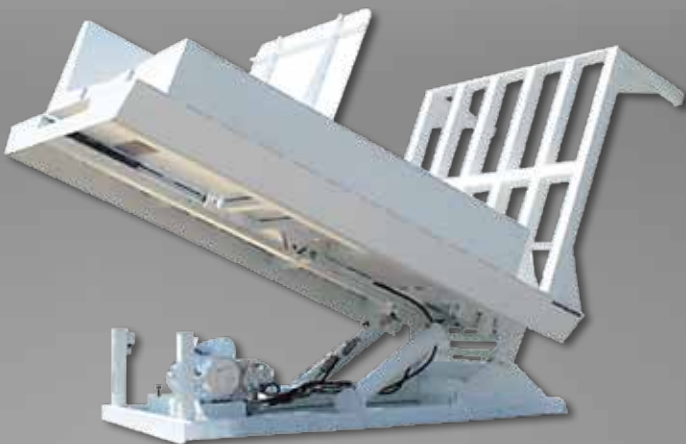
Upenders

Reorient heavy loads 90°.



Roll Handling Tables

Lift and position heavy rolls.



Customized Upender

A custom designed upending device used for appliance assembly.

Tilting & Upending

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.



Worker Platforms

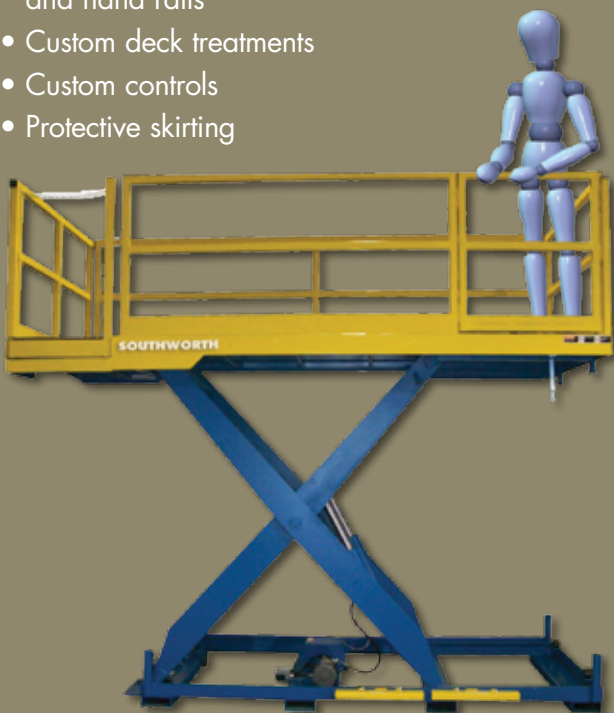
For assembly or maintenance operations where large structures, such as aircraft or heavy equipment, must be accessed at elevated or varying heights, Southworth offers custom configured lifts that can be designed or retrofitted into most operations. Offering more flexibility and safety than scaffolding 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, Southworth designs stable scissor lifts in stationary or movable configurations and 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, will create 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
- Protective skirting



Position Workers Without



Customized Worker Platforms

For assembly, maintenance or stock picking



the Risks or Hassles of Ladders and Scaffolding.



Facility Lifts

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.
- Vertical Reciprocating Conveyors 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 the above applications are great examples of the opportunities to improve production flow and worker safety in any facility.



Integrated Products for



DURA-DOCK™ Dock Lifts

Corrosion resistant, galvanized base and legs.



Heavy Duty Dock Lift

The economical alternative to dock construction.



Vertical Reciprocating Conveyors

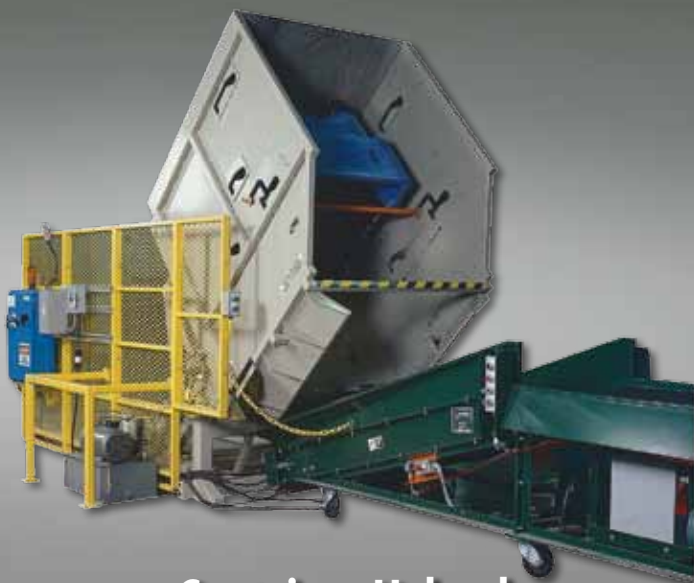
VRCs move loads between levels safely and efficiently.

Facility and Systems



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.

Engineered Solutions

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.

We have seen just about every application imaginable. If you think there is not a piece of equipment to satisfy your needs, think again. If we have not already built it, our engineers will be eager to custom design a solution.

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

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.



Providing Easy, Fast, and Guaranteed Service

Factory Trained Distributors Make Selection Easy

Southworth Distributors are the industry's best trained. The knowledgeable eyes of these specialists can identify trouble spots for you and in many cases 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.



Information is as Fast as a Click

In order to provide customers with the information they need when they need it, Southworth has a comprehensive web site with product specifications, state-of-the-art application guides, an application gallery, budget advice, purchase options and helpful after sale service information.

Visit us at www.SouthworthProducts.com



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

For more than 120 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.



SOUTHWORTH
We'll Show You How

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