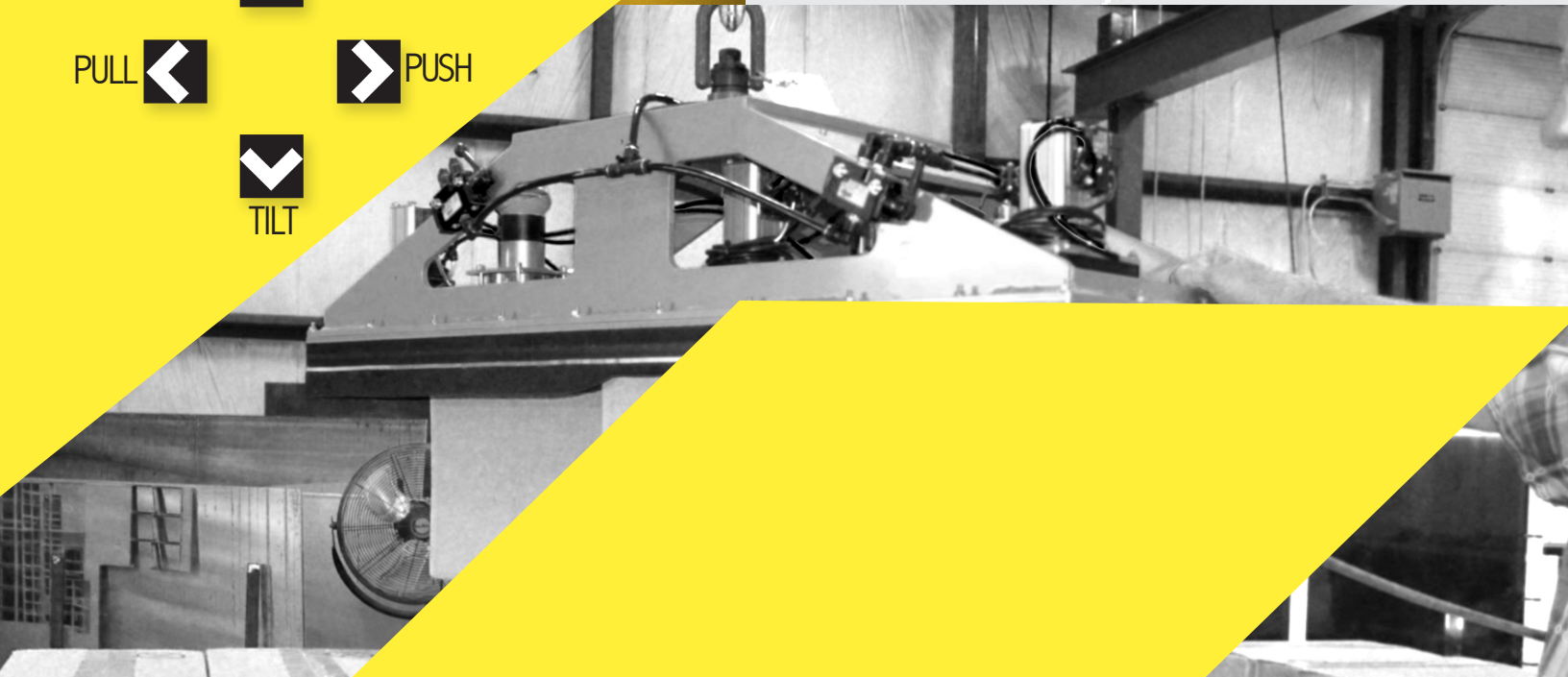
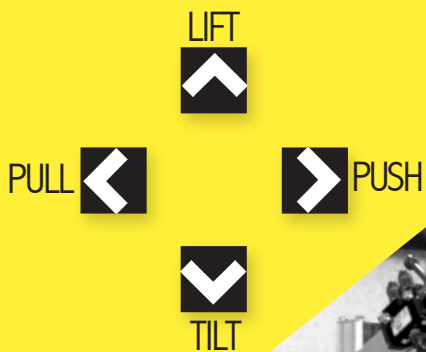


R&D Ergo Ltd.

Ergonomic Solutions for over 25 Years.



*Technologically Driven to
Provide Engineered Safety
Solutions, Designed to Lift, Push,
Tilt & Pull.*



Our team of material handling experts will meet with you to determine the best solution for your applicaiton.



Toll Free.: 1(800) 977-2005
Phone.: (519) 896-2430
Web.: www.rdergo.com
Email.: info@liftsafeinspections.com

About R&D Ergo

Who We Are

Since 1995 we have been focused on providing material handling solutions for our customers, designed specifically for their application needs. We create unique and innovative workplace solutions for our clients designed in order to solve their current material handling problems.

Our Company is comprised of a broad spectrum of expertise; we employ a team of Engineers, Millwrights, Welders, Designers, and Tool Builders. Their combined experience and expertise has lead to our current success and will continue to lead us down the path of success in the future.

Our Facility

With a 40,000 sq. ft. state-of-the-art fabrication facility R&D Ergo has both the capacity and manpower to manufacture a multitude of products in an effective and efficient manner. We use only the highest grade and quality of materials to ensure a lifetime of use in a variety of environments. Before any of our solutions are installed they go through a rigorous inspection and testing process, both in-house and at our customers' facilities, to ensure they will stand up to daily use.

Benefits of Using R&D Ergo



An Investment

These systems are an investment for your company, allowing you to decrease costs, retain employees and increase efficiency.



Improved Work Place

These material handling solutions can increase worker productivity, boost morale, and decrease employee turnover.



Designed For You

One of our material handling experts will visit your facility in order to determine the best solution for your current and future lifting needs.



Prevent Damage

When products are improperly moved there is a higher chance of product damage, but with a well designed system we can help prevent these issues.



Reduced Costs

These systems can help increase productivity, decrease error rates, and decrease absenteeism.



Work-Related Injuries

Injury prevention and reduced risk of musculoskeletal disorders are two of many work-related injuries which can be prevented with the addition of a material handling solution.

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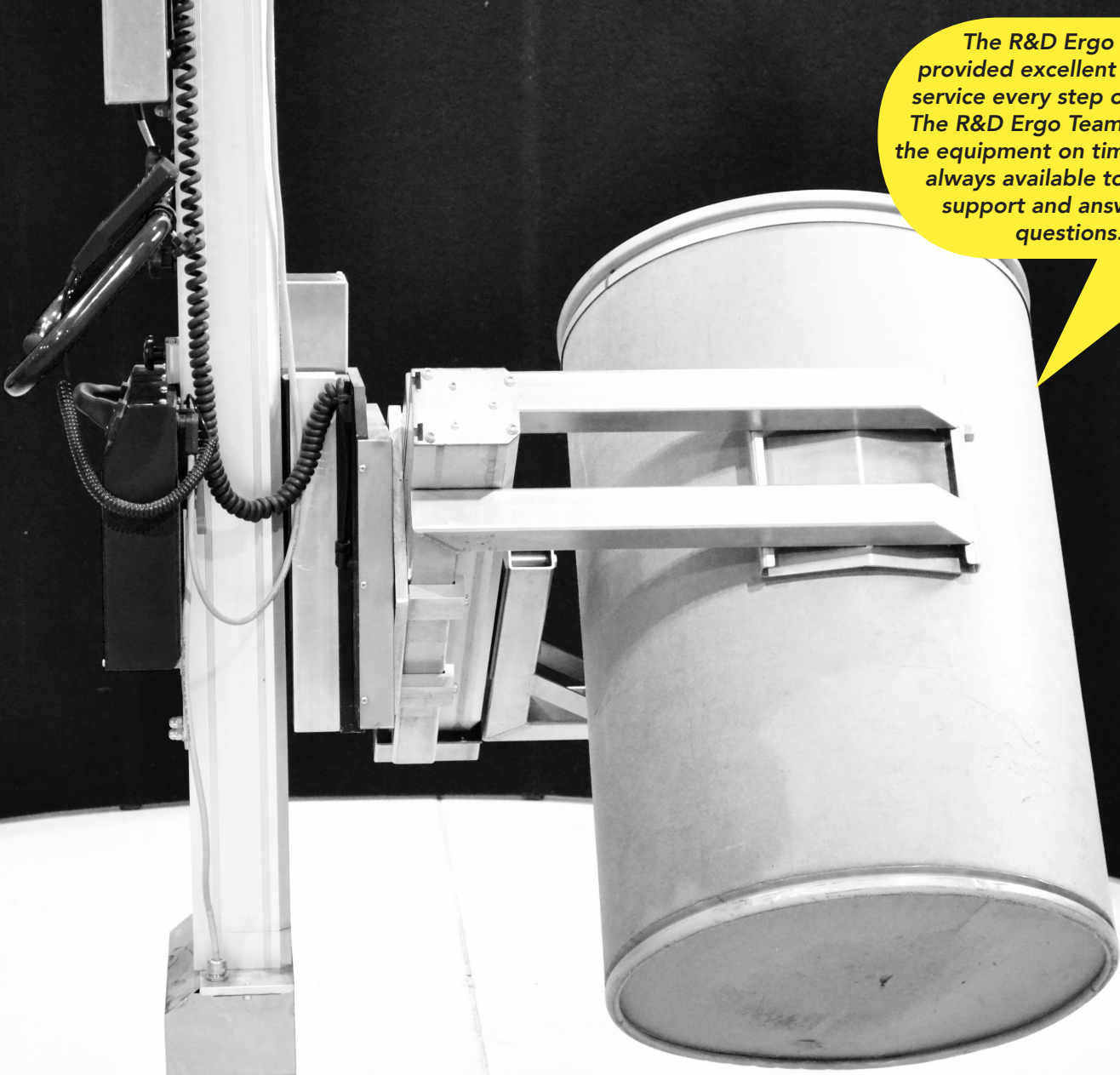


The R&D Process



- 01.** One of our material handling experts will contact you in order to gain the scope of the current material handling problem you are facing.
- 02.** Our team will then visit your facility in order to gain a true insight of your current situation and what different factors may impact the potential solution i.e. work space, dust, other lifting requirements.
- 03.** We will then present the proposed solution and answer any questions that you may have.
- 04.** Once the solution is chosen our engineering and fabrication team will work together in order to bring this innovative solution into reality.
- 05.** Once the system is ready we will invite you to our facility to test the functionality of the system and work out any final adjustments.
- 06.** The system will be delivered; we will then install the device, and proceed to train your employees on how to safely use the equipment.

The R&D Ergo Team provided excellent customer service every step of the way. The R&D Ergo Team delivered the equipment on time and were always available to provide support and answer any questions.



Drum Handling: Overhead

Overhead drum and barrel lifters are perfect for a wide variety of tasks. They specialize in quickly moving drums from one area to another and dispensing the contents within the drums quickly, but with a high level of control.

Benefits of a Drum Handling Solution Include:

- Improved morale
- Reduced error rates, employee turnover and absenteeism
- Lowered costs by reducing or eliminating product damage



R&D Ergo provided an ergonomic lifting device to assist with lifting/tilting drums at their facility. They provided excellent customer service and we were able to visit their facility in Ayr and test the functionality of the device.

Drum Handling: Ground Level

We provide a safer, healthier, more efficient workplace for employees with an extensive line of Barrel and Drum Lifters. Our systems are designed to lift, transport, tilt or rotate Drums and Barrels of various sizes and weights.

These ergonomic systems are portable which offer lower costs when compared to fixed equipment, with a fast implementation and easy set up. Our material-handling experts will work with you in order to determine the best system for your application and if necessary will work with you to customize the system to meet your specific material handling needs.





The R&D team met with us and offered a variety of viable and cost effective solutions. The service we received and the custom ergonomic solution they provided us far exceeded our expectations.

Roll Handling: Overhead

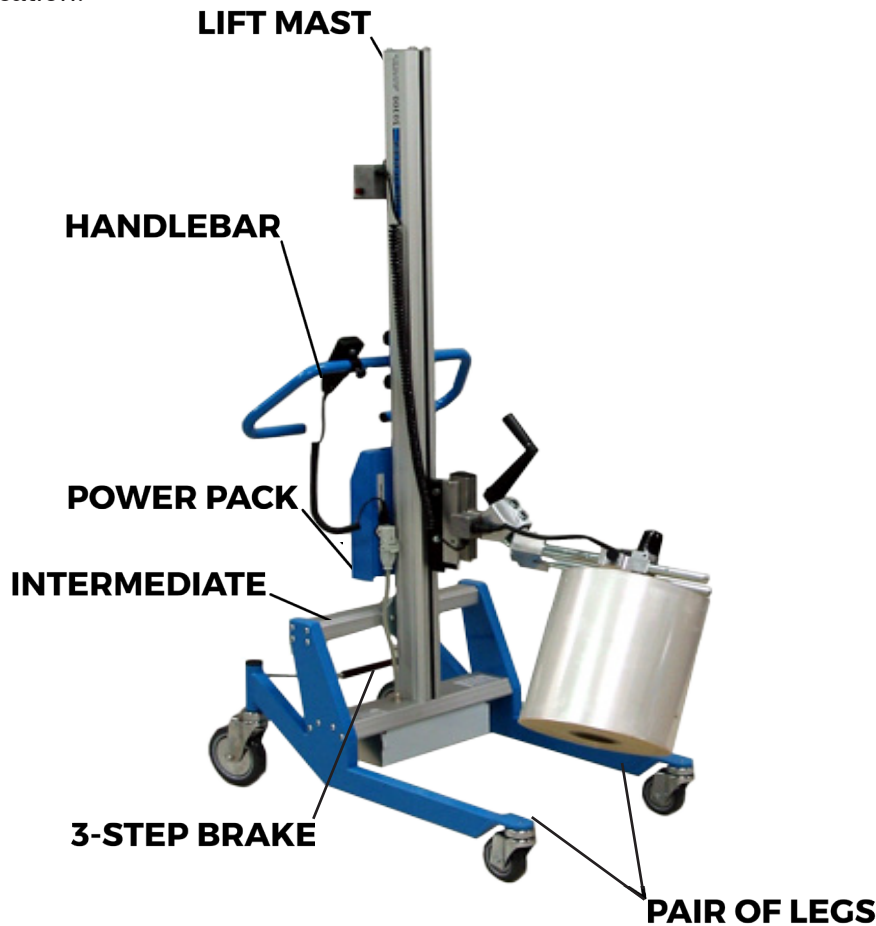
Our extensive line of Overhead Roll Handling Solution models presents the ability to lift and turn a roll with the utmost amount of ease to eliminate operator injuries as well as minimize material damage. This in turn will save your company valuable time and money.

Our material handling experts will work with you in order to determine the best solution for your application. They will establish a number of different factors such as: your weight capacities, industry considerations, job specific demands, and facility considerations. This criteria will help them to determine which system is right for you, allowing you to safely transport rolls and reduce roll damage.

Roll Handling: Ground Level

Arguably one of our more extensive lines, our Portable Roll Handling Systems are available in a Manual (push) and Powered (electric) configuration. Our solutions are utilized to lift, tilt, rotate, transport, load, and unload a wide variety of rolls and reels of varying weights and sizes.

Our entire roll handling line is designed in order to be easily customized. First we help you choose an appropriate base, then we determine which power pack would be appropriate for your lifting requirements our material handling experts will then help you to decide upon which end effector would work best for your application.



Flexible Design

Due to modular componentry, we can build a custom system for your specific application needs.

Durable Components

Each lift mast contains a screw drive, which is extremely reliable and requires very little maintenance.

Built-in-Safety

Each lifter has a built-in slip clutch which protects the user from crushing injuries in addition to preventing backwards tipping.

Lift-O-Flex

Lift-N-Go II	 Capacity = 200 lbs.	 Available in Powder-Coated Blue, Stainless
2000 Series	 Capacity = 285 lbs.	 Available in Powder-Coated Blue, Stainless
19000 Series	 Capacity = 700 lbs.	 Available in Powder-Coated Blue, Stainless, Wash-Down, Explosion-Proof
Lift-N-GLIDE	 Capacity = 500 lbs.	 Available in Powder-Coated Blue, Stainless

Optional Tools Include:

- Expand-O-Turn
- Lift-O-Turn
- Squeeze-O-Turn
- Lift-O-Squeeze
- Core Probe
- Forks
- Vacuum
- Custom Load Platform



The ergonomic solutions R&D has provided us over the years have been an integral part in ensuring our employees are safe. From design to install, working with the R&D team has been easy and made a significant impact on the way we do business.



Vacuum Lifting: Bags/Boxes

Vacuum Lifters are the perfect solution for quickly and safely moving boxes and bags in an efficient and safe manner, without harming the product. Our diverse line of Vacuum Handling Solutions can be customized in order to suit both your application needs and budgetary constraints.

Benefits of a Vacuum Lifting Solution Include:

- Drastic reduction in heavy/repetitive lifting
- Reduction in workplace injuries
- Allows for diversity on the job as workers are able to complete tasks faster
- These systems pay for themselves with their increase in production and efficiency
- Can handle a variety of weights, textures and products





The R&D team met with us and offered a variety of viable and cost effective solutions. The service we received and the custom ergonomic solution they provided us far exceeded our expectations.

Vacuum Lifting: Sheets

Sheet Handling is a challenging material handling problem; it's often bulky, heavy, and can sometimes be flexible, and prone to damage if not handled correctly. Those challenges coupled with the fact that sheets often have sharp edges and corners, make sheet handling a daunting and challenging task.

The solutions we provide follow four distinct design principles: **adaptability, flexibility, cost effectiveness, and long-lasting.** Whether the solution you're looking for is for lifting, rotating or tilting, at R&D we have the products and expertise to get the job done.





The R&D Ergo Team provided excellent customer service every step of the way. We were able to visit their facility in Ayr and test the functionality of the device.

Custom Overhead End Effectors

With over 25 years of End of Arm Tooling (EOAT) experience we can design, engineer, build, install, and service custom systems designed with your specific application in mind. We combine innovation with experience in order to create an infinite variety of end effectors based on your requirements.

We offer a wide variety of overhead end effectors, which can be used for many different applications.

End Effectors Include.

- Gripper End Effectors
- Manual End Effectors
- Vacuum End Effectors
- Magnetic End of Arm Tooling
- Pick and Place Lifting Devices
- Clamp End Effectors





Custom Ground Level End Effectors

Our dedicated design, engineering, fabrication, and installation teams will work with you in order to create the perfect ground level end effector for your application needs. We rigorously test and refine our systems to ensure that they will meet your standards and stand up for daily use.

We have not only created a team of highly dedicated and trained individuals but also developed partnerships with major international suppliers. These relationships allow us to select the best materials /products available in order to create the most reliable solution for you.

From a custom Lift-O-Flex end effector to a forklift attachment our dedicated team will work with you in order to develop your ideal material handling solution.





Product Partners

We have partnered with a wide variety of different industry leaders in order to offer our customers their ideal material handling solution. Whether your looking for an overhead lifting system or a ground based solution, our material handling experts with work with you in order to find the ideal solution for your current material handling problems.

Appleton <small>WELD, INC.</small> Powered Cart Movers	ANVER <small>CORPORATION</small> Vacuum Lifters	ELE Drum Handling Equipment	ECONO LIFT Lift /Tilt Tables
HUBBELL Tooling Workstations	 IMI <small>Established 1981</small> Magnet Lifting	IR Zimmerman Air Balancers	 JOULIN Vacuum Technology
KITO Hoists	 LIFTSAFE ENGINEERING & SERVICE GROUP INC. Custom Tooling & Engineering	LIFT'N BUDDY Powered Lift Hand Trucks	 R ON I Ergonomic Material Handling
MORSE Drum Lifting	 SCHLUMPF USA Roll Handling	 ARMANNI Powered Stackers	Zallys <small>...the passion for moving</small> Industrial Tuggers



Anver Corp.



Box Lifter

The ANVER VT-Series Carton lifter is powered by a remote 5 HP electric pump that runs on 3-phase power and has an adjustable handle with built-in controls. Designed to match customer requirements, this lifter provides a 100% duty cycle and can incorporate lifting heads with top and side suction cups specifically designed for box application.



Bag Lifter

ANVER Bag and Sack Lifters feature pick-up attachments made from plastic or stainless steel with foam rubber sealing rings in various shapes and styles for handling bags up to 125 lbs. (57 kg) made from non-woven materials and plastics. Suitable for loading and unloading skids, pallets, and boxes.



Powered Lifters for Stone

ANVER offers steel framed, production grade vacuum lifters for both Smooth and/or Rough Stone Handling. We build lifters which are solid, reassuringly safe and designed to be used daily. They are designed for stone handling applications of all types including: granite, marble, graphite, limestone, sandstone, in addition to other Rough or Polished Stone Surfaces.



Armanni Inc.



S1 Series Drum Handling

With heightened awareness of efficiency and skyrocketing medical costs, having a safe, fast and easy way to handle drums is key for both productivity & profitability. Economical Armanni drum handling equipment and systems protect your workers and your bottom line.



S2 Series Drum Lifter

Many machine shops handle coolant; lube oil, way oil and chips in 55-gallon steel drums, but lifting, transporting and emptying heavy drums is difficult, time consuming and potentially unsafe. With heightened awareness of efficiency and skyrocketing medical costs, having a safe fast and easy way to handle drums is the key to both productivity & profitability.



S3 Series Drum Handling

Economical Armanni drum handling systems protect your workers and your bottom line. We offer numerous options for shops large and small for drums weighing up to 400 kg (880 lbs). Armanni trucks work with any 55-gallon drum measuring 23" (585 mm) in diameter.

Cart Mover



This battery-powered Cart Mover is perfect for increasing productivity and ensuring worker safety whenever heavy loads on wheels need to be moved.

What can the CartMover™ help you move?

- Mobile carts with heavy castings or metal parts
- Supply carts and waste bins
- Carts used in shipping and receiving
- Laundry carts (multi-cart “trains”)
- Just about anything on casters or wheels – moves loads weighing up to 20,000 lbs

Roll Moving

RollMover™ is better, safer than air-powered movers.

- Reduces need for compressed air -- every 10 psi decrease can save 5% in energy cost
- Convenient and lightweight, encouraging safer work practices
- Recharges for pennies – saving money with the very first roll

What can the RollMover™ help you move?

- Large rolls of paper or fabric
- Big rolls of tissue paper or nonwovens
- Fiberglass mat, single ply rubber or membranes
- Heavy “anything” that rolls – loads weighing up to 100,000 lbs



Truck Moving

Keep Truck and Trailer Production Moving

This battery-powered vehicle mover is perfect for increasing productivity and ensuring worker safety whenever heavy loads need to be moved.

- Capacity: Up to 100,000+ lbs
- Battery Powered...NO Air Hoses! NO Trip Hazards!
- Rugged steel frame construction for durability
- Quick charging, long lasting batteries
- Compact and easy to use on the line
- Convenient and lightweight, encouraging safer work practices





Easy Lift Equipment Inc.



EasyLift Ergonomic Drum Transporter

A simple, safe and effective method that addresses the risks in manual materials handling in moving, lifting and lowering drums without a forklift - all while the drum remains completely in the vertical position. The EasyLift Drum Transporter can safely and easily pick up steel, poly, and fiber drums, raising or lowering to a full twenty (20") inches!



Powered and Motorized Drum Dumpers

Drum-Haulers™ are the most ergonomic equipment available for transporting, weighing and dispensing products from plastic, fiber and steel drums.

Drum-Haulers™ are very compact for working in tight production areas and, with the exception of forward rotating models, are designed to fit through a standard 30" wide x 80" high doorways.



ELDR AC, DC or Air Powered Drum Dumpers

EasyLift ELDR narrow aisle drum dumpers are 360 degree side rotating models for handling drums up to 500 lb./227 kg. Both the 27" overall width of the straddle leg model and the 24" overall width of the counter-balanced drum dumper permit gripping drums of various diameters from the side or corner of a pallet, while maneuvering through tight congested areas.



Econo Lift Ltd.



Light Duty Portable Lift Table

These Light Duty Portable Lift Tables are equipped with wheels allowing employees to quickly and efficiently lift and move products throughout your facility.



Lift Tables

This standard lift table can be easily customized in order to meet your specific needs with a variety of sizes and lifting capabilities.



Carousels

These spring-loaded turntables are designed to safely move product weighing up to 6,000 lbs, making it perfect for warehouses.

Enclosed Track Rail Systems



Movomech: Aluminum Rail Systems

Movomech includes a line of Rail Systems including electric, pneumatic, and vacuum. Through a series of suspensions and trolleys, we can easily build complete systems, even with extensions and accessories as needed. Our smooth-running trolleys make sure that PHB cranes can be moved rapidly and repeatedly without harming the loads. If roof-mounting is unavailable, the Movomech line can be mounted into the ceiling or floor-mounted steel structures

Spanco: Workstation Cranes

Spanco Freestanding Workstation Bridge Cranes provide highly effective, cost efficient lifting and moving solutions, especially when:

- You need overhead crane coverage for a large area - up to 40-feet wide and with unlimited length. With interconnected parallel systems, you can cover your entire building.
- You rent or lease your building. Our bolt-together freestanding systems can be readily relocated, either within your plant or in an entirely new location.
- You want to be able to easily expand or modify your overhead crane system.

In addition to our custom engineered systems, we make pre-engineered kits that include everything but the hoist and anchor bolts. All Spanco systems meet or exceed ANSI/ASME B30.11 standards for underhung cranes and monorails.



MetTrack: Workstation Monorails

MET-TRACK Workstation Monorails enable you to achieve effortless and reliable area-serving overhead handling for a wide variety of applications. Each system is configured with the operator in mind and includes the principle feature of ease of movement, designed to reduce fatigue and ensure accurate load positioning.

Floor mounted systems are not a permanent part of your factory and therefore can easily be relocated in the future. The installation is often much simpler and does not apply stresses to the building roof structure. Ceiling mounted systems are ideal when floor space is limited or access by other equipment is required where floor support steels would normally be needed. This option does require that the support structure is suitable for the loads imposed.



Signature Bundle Handler

Designed for bindery operations, this device allows one person to easily move large bundles of catalogues or brochures that would otherwise be unmanageable. Standard in single and dual cylinder configurations, these devices can accommodate multiple size bundles up to 250 lb. (113 kg) and 48 in (1.2 m) in length. These units are designed to be supported by an air balancer and operated with an integral control system.

Some Major Features Include:

- Safety: Lifted bundles are safety interlocked during transfer to prevent accidental release of the load
- Versatility: Side, end, or swivel handle controls standard; power rotation and self leveling packages also available upon request
- Universal Paddles: Standard paddles for end boards up to 12 in (305 mm) x 12 in (305 mm), extended paddle configurations available
- Secure Gripping: Reduces bundle damage and improves quality through positive secure gripping and pickup



Jib Cranes

R&D specializes in lifting equipment and all of our Jib Cranes are designed in order to safely and efficiently move materials. We have a variety of lifting equipment available including our Jib Cranes, Workstation Jib Cranes, and Freestanding Jib Cranes.

Jib Cranes provide a significant return on investment through drastic increases in productivity, reduction of workplace injuries, and improved safety within your facility. Our Jib Cranes are designed to address and resolve ergonomic concerns thereby substantially reducing workplace injuries, insurance premiums, and lost time due to absenteeism. Typically, according to our customers, our Jib Cranes pay for themselves within the first couple years through increased productivity and efficiency.



Mobi-Crane™



The Mobi-Crane™ is designed to lift items weighing up to 185 lbs. Constructed based upon modules; these units make it easy to create a custom lifting device designed with your specific material handling needs in mind.

The Mobi-Crane™ is mounted on a floor plate with forklift pockets, allowing them to be moved throughout your facility when needed. They also have the option of an adjustable or fixed column length to give them greater flexibility in your production.

The boom is articulating at the center allowing for easy use of the jib arm, the arms can be easily adjusted to compensate for sloping floors. The lifting function is operated by an electric motor. The motor has adjustable speed controls in order to regulate the lifting speed and is mounted on the folding arm.

These cranes can be equipped with a number of standard and custom tools from magnetic to vacuum; using a quick-release feature allows you to easily switch between different tools. The operator control handle is designed for optimal comfort and is adjustable for both right and left hand operators.

Designed in order to optimize your material handling process, these cranes have the ability to be customized to ensure they meet all of your needs.

Rotacaster Wheels



The Rotacaster is the only multi-directional wheel technology developed primarily as an industrial and commercial floor wheel. Designed to allow for forward and reverse movement without fighting a swivel caster offset, while the peripheral rollers facilitate turning, rotational, lateral and diagonal movement.

With this innovative design they are also able to eliminate all skipping that is associated with fixed wheels, and have 360-degree maneuverability. They are designed in order to allow better directional control and tracking in addition to precise positioning. These innovative wheels can be used for a wide variety of different applications.

The Rotacaster's unlimited maneuverability makes it an ideal alternative to a swivel caster and brings a whole new dimension of possibility to the design and functionality of wheeled products.

Some of the Major Features Include:

- Load Stability
- Load Distribution
- Tilt or Lever of the Fixed Wheel Mounting
- Robust
- Tough
- Rust Free - Full Polymer Construction
- Non-Marking Polyurethane Rollers





Ronl

Mobile Lifters



12133 Series Double Mast Squeeze-O-Turn

The Double Mast Squeeze-O-Turn provides automatic centering of loads to the Lift-O-Flex lifter and eliminates off center loading of the lifter for different load sizes. This is accomplished using three squeeze masts each moving together providing up to 2" of total arm movement for gripping and un-gripping loads.



12120 Series Squeeze-O-Turn

The Squeeze-O-Turn combines the Lift-O-Turn and Lift-O-Squeeze components to create a product that assists in providing load handling for lifting and rotating rolls, barrels, drums, buckets and boxes. The Squeeze-O-Turn mounts to standard Lift-O-Flex Lifters and is powered by the Electronic Power Pack.



80012 CRL Series Lift-O-Flex

The CRL Series Lift-O-Flex ergonomic lifters offers dynamic load handling characteristics for heavy load capacities. The CRL series has a lift capacity of 350 lbs. Standard and custom end-effects provide for flexibility in equipment selection to better fill your ergonomic lifting requirements.

Vacuum Lifters



Easyhand T

Constructed for top-quality ergonomics, safety, and precision, the Easyhand T is our vacuum lifter designed to handle loads up to 75 pounds and uses a single-hand grip (right or left hand). The lifting and lowering functions are regulated through a simple-to-use throttle and includes a built-in swivel with 90° tilt function.



Bag Handling

Do you need to lift and transport heavy bags in your facility? Our equipment can help you with this task! We handle bags of various types and materials, ranging from paper to plastic to polywoven and even burlap. We have applied our vacuum grip technology to applications involving salt, sand, coffee, and even money!



Easyhand M

Constructed for top-quality ergonomics, safety, and precision, the Easyhand M is our vacuum lifter designed to handle loads up to 55 pounds for a single-hand grip. The lifting and lowering functions are regulated through a simple-to-use throttle.



HRL Roll Cradle Carts

HRC portable hydraulic powered roll handling carts make lifting and transporting rolls and other heavy items with weights to 1100 lbs (150 kg) safe and easy. The HRC's powerful, compact design features a high-speed foot pedal operated hydraulic lift with ergonomic hand lever for lowering the table by gravity.



Roll Dollies

The VCRD-1000's rugged steel construction and powder coated finish is durable and handles the heaviest loads with ease. Numerous options are available including quick-mount handlebars and self-stacking posts to keep the dolly out of the way when not in use.



ERH-400 Roll Electric Roll Handler

The ERH-400 is used to lift and turn rolls by the core for palletizing, transporting and loading. Holding the rolls inside the core without contacting the valuable material reduces the risk of both material damage and operator injury, saving your company money and valuable resources.



Speedy-PT10X Roll Handler

The Speedy PT10X is used to lift and turn rolls by the core for palletizing, transporting and loading. Holding the rolls inside the core without having contact with the valuable material reduces the risk of both material damage and operator injury, saving your company money and valuable resources.



Delta - Outside Clamp

The Delta Outside Diameter Clamp Roll Lift and Turner with 2200 lbs (1000 kg) capacity is the most precise and powerful battery powered walk behind roll handling machine on Earth! The Delta Outside Clamp Roll Handler is used to lift and turn rolls by their outside diameter for palletizing, transporting and loading.



MRT-500-AL-ADJ Roll Handler

The MRT-500-AL-ADJ's amazing turning function enables operators to turn even heavy loads with minimal effort with no external power source. The auto-leveling feature automatically shifts the hoist hook to ensure exact horizontal and vertical positioning both in the loaded and unload states, and the adjustable turner arm allows the unit be to used with a greater variety of roll widths.



...the passion for moving

Zallys



M4 Electric Mover

These cart movers are small maneuverable, reliable and very powerful, perfect for indoor and outdoor use. This electric tug is low maintenance, silent running, and easy to use. Available with a load cage for additional transport of small parcels and boxes.



M6.5 Electric Cart Mover

This pedestrian operated electric tug is mainly designed for moving trailers and heavy wheeled loads. It is a powerful vehicle, but easy to handle at the same time. The M6.5 electric tugger is equipped with a swivel tiller head with a safety sensor that allows for use only in presence of the operator.



M12 Stainless Steel Electric Tugger

This cart mover with remote control can pull, push and steer wheeled loads up to 1200 kg / 2646 lbs. Very effective and very easy to use, and can be used for multiple applications. It increases productivity, reduces manual handling, improves safety, and increases the load moving speed.



Zimmerman



B Balancers

The Ingersoll Rand "B" series balancers come standard with NO CONTROLS, and are designed for integration with an end effector or handling device that includes a control package.



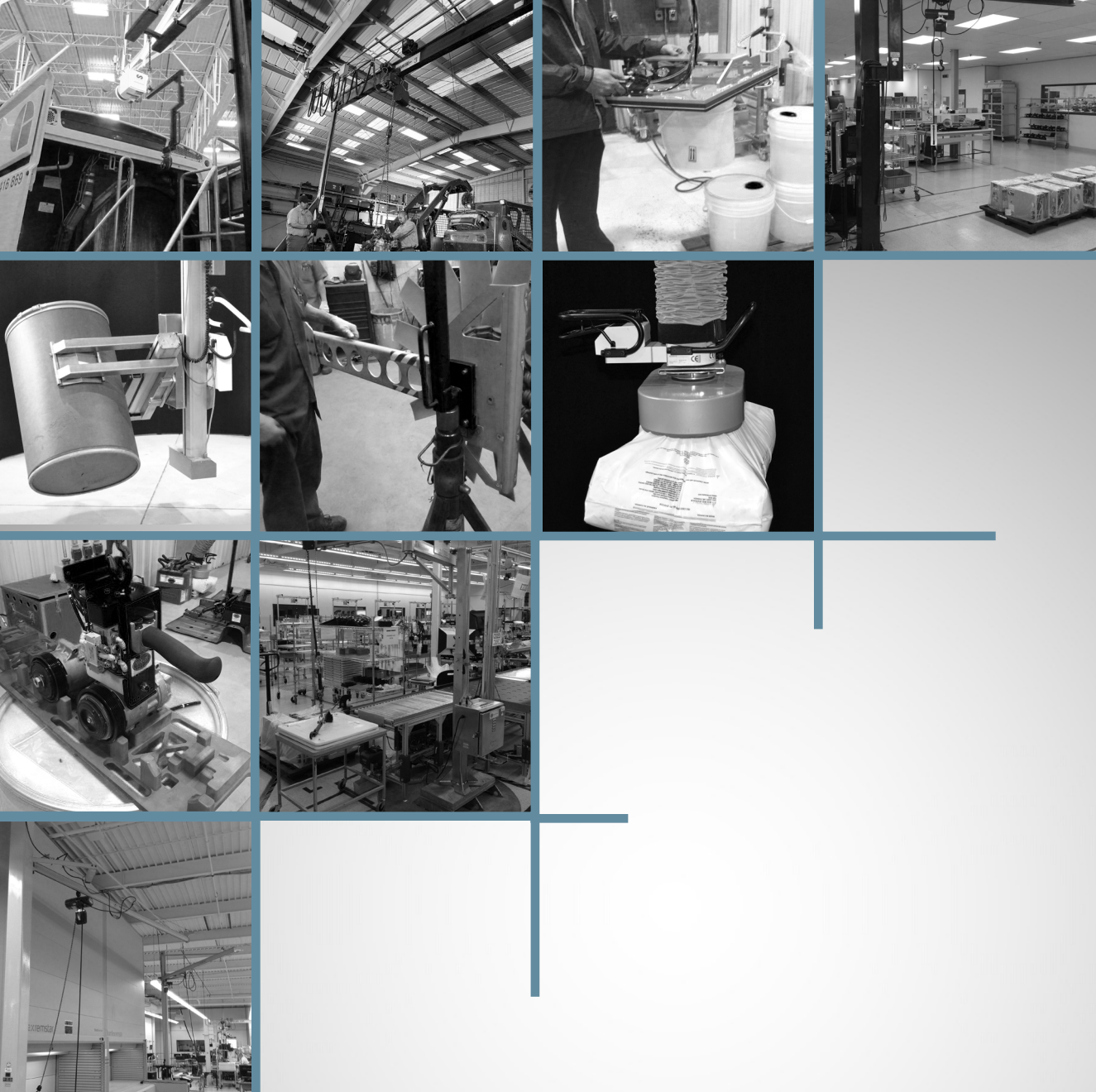
EA Balancers

Ingersoll Rand "EA" series balancers are used for handling multiple (up to 3) loads within a 40 lb (18.1 kg) weight range without the need to adjust the controls. When the pendant is in the LO- and UN-LOAD position, balancer air pressure is released to allow the lighter loads to be in balance. When the pendant is in the HI-LOAD position, no pressure is released, and the heaviest load can be balanced.



ZA Balancers

The Ingersoll Rand "ZA" series balancer is designed for high speed, precision handling of variable weight loads. Up/down movement is accomplished through the use of an ergonomically designed pendant with low-effort, color coded thumb levers. After positioning the load with the pendant control, the unit defaults into a "Float" mode that allows the operator up to 18 in to manually adjust the load for final positioning.



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