PACKAGING
+
WAREHOUSING
=
SOLUTIONS

SINGAPORE  |  MALAYSIA  |  INDONESIA
Akin To The Sunrise, We Emit **POSITIVITY**; Akin To The Sunset, We Foster **PEACE**.

**OUR CORE VALUES**

A promise to be a helping business, Syspex is committed to delivering all your packaging and warehousing needs from sunrise to sunset.

We pledge to practice and advocate good in everything that we do; to make the world a better place by helping and caring for people and the environment.
What started off as a small packaging distribution company more than 25 years ago is now Southeast Asia’s leading business-to-business packaging and warehousing solutions provider. With its headquarters in Singapore, Syspex now has 7 facilities in the region and employs more than 250 staff.

With our extensive knowledge and expertise in industrial packaging solutions, vast experience in various industries and team of dedicated individuals, we commit to passionately deliver value-driven customer solutions and to exceed the demands of today’s industries and consumers.

We value our relationships with our valued partners by providing the finest after-sales service, exceptional customer and technical support together with wide range of materials, equipment as well as spare parts on stock. We assure the best quality and competitive pricing on packaging and industrial supplies.

At Syspex, we offer the most comprehensive suite of packaging and warehousing solutions in the industry. Our mission is to constantly help our customers improve efficiency and reduce their total supply chain costs. Our core capabilities include:

- Packaging engineering and consultation
- Freight and materials optimisation
- Automation and engineering services
- Quality management
- Global sourcing and new product development
- Sustainable and eco-friendly packaging solutions
- Exceptional customer experience
Our Vision
To be the most efficient distributor of packaging and warehousing supplies in South-East Asia, so as to achieve financial success with care for our people and environment.

Our Mission
To reduce customer’s total supply chain costs by providing the most effective packaging and warehousing solutions.

A Helping Business
In Syspex,
• We do things that will help others
• We say things that will help others

While working in Syspex, we develop an environment of “Willingness”. Being “willing to serve” is how we will improve ourselves.

Hence, in this family, we experience, learn and grow together to become a better person.

Ultimately, I aspire for Syspex and our team to be loved by our business associates, and more importantly, to be well respected.

- Chief Happiness Officer, Roger See

Customer Service Vision Statement
Every extra mile is a happy service from us, a helping spirit to touch the hearts of people.

Our Commitment to Customers
Prided to be our customers’ most trustworthy partner in supplying quality products and value services.

Our Commitment to Suppliers
Committed to build mutually beneficial working relationships with our suppliers, practicing integrity and openness at all times.

Our Commitment to Employees
Promise to uphold an honest working culture, always providing love and care to our employees.

Our Commitment to Environment
Pledge to protect Mother Nature by providing environmentally friendly products and solutions, and eliminating wastage.
Our Regional Offices

**MALAYSIA**
- SYSPEX TECHNOLOGIES (M) SDN BHD - Johor
- SYSPEX TECHNOLOGIES (M) SDN BHD - Malacca
- SYSPEX MECHATRONIC (M) SDN BHD - Kuala Lumpur
- SYSPEX INDUSTRIES (M) SDN BHD - Penang

**SINGAPORE**
- SYSPEX TECHNOLOGIES PTE LTD
- RFA INDUSTRIES PTE LTD

**INDONESIA**
- PT SYSPEX KEMASINDO - Jakarta
- PT SYSPEX MULTITECH - Surabaya
PACKAGING AUTOMATION & ENGINEERING CAPABILITIES

We are able to integrate our automatic packaging machines into your production processes to improve productivity, reduce the manpower needed and lower total cost of operation.

Our technical team is able to provide preventive maintenance and overhaul programmes for all equipment.

INCREASED PRODUCTIVITY
INCREASED CONSISTENCY
IMPROVED QUALITY
IMPROVED SAFETY
REDUCED COST
REDUCED ERROR

WHY CHOOSE US?

STRONG TEAM OF TECHNICAL ENGINEERS
We have more than 70 well-trained personnel in all major engineering disciplines, knowledge, experience, and methodologies to efficiently and effectively optimise your packaging automation system.

VAST EXPERIENCE
Regional technical exposure.

PACKAGING EQUIPMENT & MATERIAL SPECIALIST
We are able to provide cost effective material for all equipment that we supply and able to ensure compatibility between material and equipment to have optimised production up time.
CARTON SEALING
High speed automatic carton sealer.

STRETCH WRAPPING
Stretchable plastic film that is wrapped and hold the load of products tightly together: up to 135 pallets per hour and stretch film cost saving up to 50%.

STRETCH HOODING
Hooding machines protect the package with stretch hood film, stabilise and make it waterproof, damp proof and dust proof: up to 260 pallets per hour.

STRAPPING
Solutions to secure and protect your goods during handling, storage and transport: up to 60 pallets and 1500 cartons per hour.

PRINT & APPLY
Print & Apply Systems automate the process of printing labels and applying them to carton boxes and pallets.

AGV transports all kinds of products without human intervention, reducing costs and increasing efficiency and productivity.

ROBOTIC PALLETISING & PALLET DISPENSING
Robotic Palletising provides highly customisable solution by implementing leading edge technologies. Palletising robots can also handle pallets, slip sheets and tier sheets for completely automatic pallet building and depalletising operations.
Technical Support
ONE-STOP SOLUTION

With a team of more than seventy well-trained and experienced engineers and technicians, we are committed to provide world class after-sales technical support. Our team is continuously expanding and making improvements to serve our customers better.

In Syspex, we take pride in ensuring that our customers feel confident of working with us, and also feel at ease throughout the products’ operational lifetime. We believe that our core responsibility is to help our customers minimise operation downtime, lower down maintenance cost and enjoy a hassle-free experience.

AFTER-SALES SERVICE SUPPORT
We provide on-site repair and servicing for all Syspex equipment. We are committed in repairing, parts replacement and minimising equipment breakage downtime. Our team of service engineers is equipped with skills and knowledges in electrical, mechanical, and programming of both stand-alone machinery and integrated systems.

PREVENTIVE MAINTENANCE PROGRAMME
Our preventive maintenance programme includes: inspection and maintenance of all Syspex equipment. This maintenance programme aims to reduce equipment failures, extend equipment lifespan and improve equipment performance. Special discounts will be given for spare parts.

EQUIPMENT OVERHAUL & MODIFICATION
Our equipment modification and overhaul restoration service is an economical solution to help maximise equipment performance and improve productivity.
We offer services for partial, complete and general overhaul, restoration, retrofitting and refurbishment of mechanical hardware and electrical components.

REGIONAL SPARE PARTS SUPPORT
We carry a wide range of spare parts for all Syspex equipment. With Syspex’s parts management and inventory system, we ensure immediate response time in the event of equipment breakdown repairs, ad-hoc servicing and periodical maintenance.
Rental & User Programme

For companies that do not wish to make long term capital asset investments, we provide customised rental solutions based on customer requirements to yield these benefits:

- Zero capital investment.
- Zero maintenance cost.
- Reduce downtime.
- Up to date technology.
- High flexibility to meet day to day operation needs.

**Facts**

- **Pioneer** of rental for packaging and warehousing in South East Asia.
- Maintaining more than **2000 rental equipment** in the market.
- Support from more than **70 engineers** in 7 distribution centres.

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**NOT WORKING!**

Machine breaks down.

**WITH**

**SYSPEX Rental Programme**

Just contact SYSPEX.

SYSPEX technician arrives to repair machine promptly. Operation can now resume.

**WITHOUT**

**SYSPEX Rental Programme**

Machine Diagnosis

Ask for Quotation

Seek for Quotation Approval

Create Purchase Order (PO)

Seek for Purchase Order (PO) Approval

Waiting for Spare Parts Arrival

Machine is still pending for repair. Operation will be further delayed.

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**Thank You, SYSPEX!**
Providing holistic customised integrated supply solutions in packaging and warehousing to lower customers’ total cost of ownership.

**MANUFACTURERS**

**DISTRIBUTORS**

**TRADING HOUSES**

**REDUCE TOTAL SUPPLY CHAIN COSTS**
- Freight & packaging materials optimisation.
- Reduce wastages.
- Achieve economies of scale.
- Reduce administration & management cost.

**REDUCE INVENTORY COSTS**
- Vendor managed inventory.
- Delivering the right materials at the right time.

**REDUCE LABOUR COSTS**
- Automation & engineering solutions.
- Improved operational efficiency.
- Right equipment and right processes.

**CUSTOMER-FOCUSED TEAM**
- Dedicated team with expertise in industrial packaging solutions.
- Delivering value-driven customer service.

**ONLINE ORDERING PLATFORM**
- Simplify the ordering process.
- Access to real time ordering records.
- Generate reports on the fly.
YELLOWBOX.COM is a fast, simple and convenient online store where you can purchase your packaging and warehousing products. We take pride in putting our customers’ success first by offering them an efficient and burden-free online shopping experience.

- Hassle-Free & Fast Delivery
- Exceptional Customer Service
- Real Value, No Gimmicks
- Best Price & Best Quality Guaranteed
- Stock On Hand
- Personalized Shopping Manager
- One-Stop Online Shop

- Ease of Navigation
- Easy Checkout Process
- Effective Site Search
- Mobile Responsive

SINGAPORE

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MALAYSIA

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PRODUCT SECURING & DAMAGE PREVENTION

Protecting Your Goods During Transportation And Storage To Reduce Damage Cost
Established in 1982, Robopac is the world leader in wrapping technology with stretch film, with over 9,000 machine per year, 80% of which exported to the main international markets. The company develops six technologies: robot, table and rotating arm to stabilise palletised loads with stretch film (core business), horizontal wrapping machines with stretch film for elongated products, heat shrink film application and taping machines. Thanks to an extensive distribution network and customer and spare part service centres at foreign branches, Robopac ensures prompt and efficient post-sales service on the global level.

**SAVE UP TO 60%**

of the stretch film consumption, riding on up to 400% pre-stretch technology.

**BETTER PRODUCTIVITY,**

consistent wrapping speed to avoid productivity loss due to operator’s fatigue.

**CONSISTENT WRAPPING QUALITY**

Ensure all pallets are wrapped according to your requirement.

**ACHIEVE A HIGHER WRAPPING STRENGTH**

that secures your products better in their position.

**ERGONOMIC & SAFETY IMPROVEMENT,**

improve safety and eliminate operator’s back injuries due to the bending and twisting action when using manual hand stretch wrapping.
A distinctive feature of the wrapping machines of the Genesis series is the exclusive patented system that generates the electricity that powers the motorised pre-stretch units during ring rotation. This technical solution allows you to operate without sliding electrical contacts minimising maintenance costs, eliminating the problem of wear and contacts flicker, and allows the machine to be used even in dusty environments or in the presence of humidity. Due to the design of the support structure, Genesis wrapping machines can be easily inserted on existing pallet handling lines.

The Spiror series of automatic high-speed horizontal wrapping machines are designed for low- to mid-volume production. The units are ideal for bundling long, narrow products like wood molding, aluminum and plastic extrusion as well as tubing, textiles and carpet. Built accordingly to the highest manufacturing standards, the SPIROR line of horizontal stretch wrapping machines includes now a double roll version for models 300, 400, 600 and 900. The possible applications for these Robopac machines are practically infinite and the high number of optional features available follows this philosophy.

**1. AUTOMATIC (VERTICAL) Rotating Table**
Automatic stretch wrapping machine with rotating table for low production. Stretch wrapping machine suitable for wrapping and handling pallets in automatic cycle with lower investment costs. Machine rotating system consisting of a slewing ring gear supported by ball bearing and transmission with pinion. The rotation speed in acceleration and deceleration is controlled by an inverter, to ensure end-of-cycle stop in every situation.

**2. AUTOMATIC (VERTICAL) Rotating Arm**
Automatic machine with rotating arm for wrapping palletised loads with stretch film, it is particularly suitable for use in trade sectors where high production rates are required and for light products that are easily deformable and unstable. Due to the rotating arm technology, film application and load stabilisation are carried out with pallet stopped thus avoiding any risk of load falling, regardless of the arm rotation speed. The modularity of the units composing it results in wide versatility of use, even with large pallets.

**3. AUTOMATIC (VERTICAL) Rotating Ring**
A distinctive feature of the wrapping machines of the Genesis series is the exclusive patented system that generates the electricity that powers the motorised pre-stretch units during ring rotation. This technical solution allows you to operate without sliding electrical contacts minimising maintenance costs, eliminating the problem of wear and contacts flicker, and allows the machine to be used even in dusty environments or in the presence of humidity. Due to the design of the support structure, Genesis wrapping machines can be easily inserted on existing pallet handling lines.

**4. AUTOMATIC (HORIZONTAL)**
The Spiror series of automatic high-speed horizontal wrapping machines are designed for low- to mid-volume production. The units are ideal for bundling long, narrow products like wood molding, aluminum and plastic extrusion as well as tubing, textiles and carpet. Built accordingly to the highest manufacturing standards, the SPIROR line of horizontal stretch wrapping machines includes now a double roll version for models 300, 400, 600 and 900. The possible applications for these Robopac machines are practically infinite and the high number of optional features available follows this philosophy.
The combination between the sleek design and the sophisticated technology makes this wrapping machine the absolute leader in its sector. The use of advanced technologies such as the new colour touch screen control panel and safety systems represent the essence of the developing capacity of Robopac. Capable of packaging any type of product, shape or size and thanks to the exclusion of the electronic edge counting system, even cylinder shaped products can be packed. This series is provided with a high level of packaging autonomy and great work flexibility. It is the ideal partner for all of those industrial realities which require maximum elasticity in terms of logistics and warehouse management.

The ability to keep the pallet still and stabilizing products with a rotating arm is often a necessity for many industries. The series itself as superior quality product in a technological environment is important for end-line packaging. This machine has excellent technical and construction and is the ideal choice to run the pallet wrapping reliably and effectively.

To meet the growing demand for packaging customisation and optimisation regarding specific product features, Robopac is introducing MULTILEVEL CONTROL for the first time, the innovative hardware and software solution installed on this series. The high performance 7-inch colour touch screen with icons specifically designed and created by Robopac has led to the implementation of the MULTILEVEL CONTROL function.

The machines in the Compacta S series are built following high quality criteria and construction specifications, improved and thought-out through time. The high degree of satisfaction received worldwide makes these machines the preference of final users, which entrust their products to horizontal wrapping technology using stretch film.

The automatic highly reliable dual rod clamping and cutting system fully automates the wrapping process. The roll carriage has a direct breaking transmission roller and is adjustable at any time. It also simplifies loading and film insertion. The roll carriage is also equipped with locking and quick release.
Strapex serves the market with system solutions and services for securing goods for various industries. It offers a complete range of products, from strapping and stretch wrapping machines and tools to consumables and services.

Founded in 1955 as a private Swiss-based company, Strapex is today well represented in the market with own sales units and distributors around the world. Latest technology in equipment combined with highest quality standards [EN-ISO 9001] and half a century of experience will grant you maximum availability and security.

Headquartered in Tokyo, StraPack guarantees Japanese quality. Their manufacturing division in Japan has earned an ISO9001 and ISO14001 rating.

StraPack is the only company in the strapping industry distributing only equipment that has been developed and produced by its own manufacturing divisions. StraPack has built its reputation for quality products by having total control of the manufacturing process. StraPack customers benefit from prompt and easy access to technical information, spare parts and custom development.

**SECURING USAGE**
- Bundling items together for handling and shipment.
- Attaching items to pallets, skids and crates.
- Reinforcing wooden boxes, crates and corrugated boxes.

**HIGH PERFORMANCE & DURABILITY**
The excellent elongation and memory retention characteristics help straps stay tight when loads expand and contract. Water and rust resistant.

**INCREASED SAFETY**
Lightweight and dull edges, reducing operators’ risk of serious injury.

**REDUCED ENVIRONMENTAL IMPACT**
Recyclable product. Reduce packaging waste and disposal costs.

**COST SAVING**
- Extremely versatile
- 25% savings compared to steel
- Reduced handling costs
- Reduced freight weight
- Reduced operator fatigue
AUTOMATIC STRAPPING
A high performance and indispensable all rounder for various strap applications. Top Swiss-made quality and highly reliable for most efficient packaging securement.

SEMI-AUTOMATIC STRAPPING
Strapping machines designed for high volume applications across various industries. Simple solutions for shipping departments with small to medium volume of packages.

STRAPPING DISPENSER
Dispensers come complete with inflatable tyres making it portable and convenient with storage compartments for tools, seals, buckles and accessories.

STRAPPING HAND TOOL
For quick and cost-effective strapping of packages and pallets for stationary or mobile use. The battery powered hand tools are ergonomically designed and allow for long and effortless working hours.
Established as a family-run company in 1874, Storopack has been operating under the name Storopack Hans Reichenecker GmbH since 1959 and is located in Metzingen, Germany. The company is organized into two divisions: the Molding division produces tailored protective packaging and technical molded parts from expanded foams for a variety of industries.

The Packaging division offers flexible protective packaging with air cushions (AIRplus®), paper pads (PAPERplus®), PU foam packaging (FOAMplus®), and loose-fill packaging materials (PELASPAN® and PELASPAN® BIO). Comprehensive analysis of existing packaging processes that takes into account the aspects of speed and flexibility as well as ergonomics, efficiency, and efficacy at the packaging workstation (Working Comfort®) allows us to provide our customers with equipment based on their needs.

Whether individual packaging workstations or complete packaging lines, manual, semi-automatic, or fully automatic packaging systems – their application engineers are always optimising the protective packaging process, so they can offer customers the optimal solution at all times.

- **RELIABLE**
  Consistent film quality from the company's own production facilities and high availability through proven technology.

- **MINIMISE SHIPPING COST**
  Lightweight cushioning material.

- **FLEXIBILITY**
  to pack different products in the same pack format.

- **SPACE SAVING**
  On-demand system for minimal storage.

- **ECONOMICAL & ENVIRONMENTAL FRIENDLY**
  Reduction in raw material usage due to multi-layer co-extrusion, packaging is also recyclable.
IN-THE-BOX
How effective, efficient and ergonomic do you pack?

WORKING COMFORT
Storopack’s “Working Comfort” consulting approach ensures ergonomics, efficiency and effectiveness in the packaging area. Upon request, specialised application engineers can provide customized solutions ranging from equipment for individual packaging stations to design and implementation of entire packaging lines. Storopack integrates manual, as well as partial and fully automatic packaging systems into intralogistics.

AIRPLUS CUSHION FILM COILER
The AIRplus Cushion Film Coiler allows you to create large rolls of Cushion Film on-demand for distribution to the packing area as needed. This reduces supply handling and eliminates the requirements for storage of large rolls of protective bubble product.

PACKAGING SYSTEM INTEGRATION
Protective packaging solutions with AIRplus offer almost unlimited options for integration into the intra-company logistics of a company. Storopack provides solutions for dispatch locations with only one packaging bench, as well as for distribution centres with 50 or more packaging benches. Integration has demonstrated over a 20% productivity improvement for end users without any other changes being made. Total costs fall and the employees are more satisfied. Often, they are really excited because the work at the ergonomic packaging station is more comfortable in every way.

SUSTAINABILITY & ENVIRONMENTAL PROTECTION
Storopack’s own commitment to the responsible handling of our environment and society is derived from the corporate philosophy. Storopack’s “Vision & Guidelines” includes formally agreed principles for all Storopack employees. Managers are responsible for the motivation and promotion of the employees so that the awareness of society, culture and the environment continues to develop.
Storopack’s air pillows are the ideal solution for effectively protecting sensitive goods in transit from vibration, filling voids, and blocking and bracing products in the carton. The extensive range accommodates a whole host of applications with the product lines AIRplus® and AIRmove®. Storopack air pillow systems produce cushioning on-demand directly at the packing station – as individual machines for smaller requirements or as an integrated part of an existing packaging process.

This saves valuable storage space and perfectly adapts the packing process to meet on-site needs. Storopack’s range of air cushions consists of a variety of film types and cushioning shapes, ensuring all your products are perfectly protected. All films are produced in Storopack’s own production facilities, require very little raw material, and offer exceptional mechanical characteristics.

Whether filling voids, cushioning from impact shock or blocking and bracing goods against transport damage: Storopack’s PAPERplus® paper cushioning offers all-around perfect protection for your packaged goods, whether they’re small and fragile or bulky and heavy. Storopack product portfolio is just as diverse as the protective functions of PAPERplus®: Storopack offers a variety of paper cushioning systems that produce just the right packaging materials for every requirement and can be used individually or integrated into existing packaging processes.

They all have one thing in common: innovative shapes enable optimal cushioning and exceptional stability with limited use of materials and a lower pack weight. Storopack customers can also choose from various types of paper, all of which are FSC-certified. And because PAPERplus® allows you to produce paper cushioning as required directly at the packing station, you can save valuable storage space, while sending your products on their way well protected.
Carton Sealing & Erector

AUTOMATIC CARDBOARD CASE ERECTOR
Automatic carton forming machine with a high output and a long lifespan. Retrieves the cardboard blanks, opens, folds and forms the boxes and then seals the bottom with tape.

TAPING MACHINE WITH FIX FORMAT WITH AUTOMATIC FLAP CLOSING
Side belt driven taping machines for uniform size boxes fitted with automatic top flaps folding device.

SEMI-AUTOMATIC RANDOM SIZE BOXES TAPING MACHINE
Taping machines with top and bottom drive for sealing random size boxes.

SEMI-AUTOMATIC TAPING MACHINE WITH FIXED FORMAT
Taping machines with top and bottom drive for sealing fixed format box.
Founded in 1917, Better Packages is a leading manufacturer of tabletop water-activated tape (WAT) dispensers used in carton sealing. Better Packages’ product line includes auto-dispensing electric machines that are used in high volume fulfillment centers, as well as manual dispensers. In the U.S., Better Packages sells through multiple channels that include industrial and packaging distributors and catalog wholesalers, as well as direct to end-user customers. Its distribution network consists of over 160 authorized distributors including Tier 1 shipping and packaging.

Water-activated tape, also known as gummed tape dispensers, generates an immediate, strong bond resulting in a superior seal on corrugated cartons. A gummed tape dispenser provides a fast, simple and convenient way to size, wet and cut water-activated tape for closing corrugate cartons. Better Packages offers the widest range of paper tape dispensers and carton sealing solutions available from a single manufacturer. With its durable water-activated paper tape dispensers and tapes, Better Packages can help you to increase productivity, package security and strength with an environmentally friendly carton seal.

**PAPER GUMMED TAPE DISPENSER**

DO YOU WANT TO REDUCE PILFERAGE AND CARTON THEFT?

Just one strip of water-activated tape is needed for a secure seal. Strip for strip, water-activated tape cost less!

WHICH CARTON DO YOU WANT YOUR CUSTOMERS TO RECEIVE?

Water-activated tape’s tamper-evident, permanent seal ensures that your packages’ contents are safe and secure.

DO YOUR CARTONS LOOK PROFESSIONAL?

One strip of water-activated tape creates a neat look and helps to enhance your company’s image.

One strip of water-activated tape

Multiple strips of plastic tape

**COST EFFECTIVE**

**STRENGTH & SECURITY**

**PROFESSIONAL APPEARANCE**
Uchida was originally established in Vietnam as a trading company to provide high quality office equipment, furniture and systems 100 years ago. Since its very beginning, Uchida has supplied paper handling, print finishing equipment and systems to all major overseas markets through a global network of distributors and dealers. The company is now recognized as a leading Japanese manufacturer of finishing systems designed specifically for digital print market. To meet the demands of rapidly growing and changing digital print markets, Uchida keeps building up unique product lineup.

Over 30 years of tradition, combined with an outstanding capacity for innovation and the strictest quality requirements, shape the image of the ATS-Tanner Group.

The ATS-Tanner Group is a strong international player in the key technology of banding (gentle strapping for the bundling of products). The group is present almost world-wide, with headquarters in Switzerland, subsidiaries in Canada, Germany, Netherlands, Spain, France, Poland and England and about 40 agents in various countries. As an experienced system supplier, they solve any banding problem, even up to the development and integration of fully automatic banding systems into our customers’ assembly lines.

RATIONALIZING & SAVING COSTS
Minimise manual work, use low-material banding as complete packaging, reduce waste.

PRESENTATION & BRANDING
Use banding as advertising and marketing space.

PACKAGING WITH EDGE-PROTECTION
Banding consists of gently strapping packaged goods together, preventing damage to edges and drastically reducing waste.

PERFECT BUNDLING & RELIABLE PROTECTION
Bundling of products into logistically sensible units, tear-resistant welding of bands, while ensuring untouched product quality.
STANDARD TABLETOP BUNDLER

- Easy and quick operation
- User friendly
- No ready time
- Paper and film bands applicable
- Low maintenance

Adds mobility to your machine

The optional Dispenser Stand adds mobility to your machine, while meeting the needs of higher production. You’ll have all the advantages of running larger rolls of material with less roll changes and material cost savings.
The biggest risk commercial goods face is being damaged in transit. The jerky movement of the vehicle increases the chances of the goods arriving at their destination in damaged condition. Dunnage airbags are designed to lessen the impact of this movement and preserve the integrity of the merchandise. This is crucial for saving time and money, and in an increasingly competitive industry, you cannot afford to lose valuable goods in transit.

**COMPOSITE STRAP**
Made of parallel layers of untwisted polyester yarns covered in polypropylene (PP), the unique and patented manufacturing process for untwisted yarns allow the container strap to achieve higher strength, lower elongation, and resistant to most chemical solvents, caustics and acids.

**LASHING STRAP**
Lashing is the arrangement of strap or belt used to secure two or more items together in a somewhat rigid manner. Commonly applied to timber poles, container lashes are commonly used to hold cargo units together.

**GOODS ARE PROTECTED AGAINST DAMAGE**
Great void fillers to prevent movement and absorb impacts while in transit.

**PRESERVED CUSTOMER RELATIONS**
When goods arrive damaged, it’s not hard to imagine that customers will be unhappy. Taking steps to protect your goods while in transit will ensure more satisfied customers.

**INCREASED SAFETY**
There is no risk or danger of injury for the receiver when opening the container doors or unloading the container.

**REDUCTION in the load factor**
The biggest expense for a carrier is the load factor. When goods have fallen out of order, the staff must spend time restacking and repairing them. Therefore, usage of dunnage bags and securing straps save this time and allows the extra space to be used more efficiently.

**MORE DECKING**
Dunnage bags allow skids to be doubled and triple decked for maximum space usage. This eliminates stair stepping. Air bags allow the goods to be loaded anywhere in the trailer.
FLEXIBLE & DISPLAY PACKAGING

Increasing Protection Of Goods
While Lowering Your Material Cost
Shrink Wrapping

A leading company from Italy, in terms of design and manufacturing of packaging solutions. Dozens of models patented at an international level, four technologically advanced production units, one of which fully automated, a capillary distribution and service network at the global level, quality certification according to standard UNI EN ISO 9001:2000: this is minipack®-torre today.

In over forty years of activity, the company conquered a leading position on the markets worldwide in the sector of packaging machines, developing products capable of guaranteeing reliability and maximum productivity, and of always amazing people for the great concepts they contain.

IMPECCABLE PROTECTION
When heat is applied to shrink wrap, it creates a very tight seal. Once sealed, the items are no longer vulnerable to the damage that can be caused by dust, dirt or moisture.

SUPERIOR DURABILITY
Shrink wrap is made from a very sturdy, durable plastic. It is difficult to tear or puncture. Once the shrink wrap has been heated and sealed over your objects, it will not loosen or sag.

TAMPERING
Since shrink wrap both seals and holds its shape once applied, any tampering will be noticeable immediately.

COST-EFFECTIVENESS
Shrink wrap minimises space usage by keeping bundled items close together without additional materials, reducing your transport and storage costs.

PRESERVATION
Many foods that need to be preserved, either for transport or to extend shelf life, are preserved in shrink wrap.

NO AIR COMPRESSOR
is required.
Perfect Synthesis Of
RELIABILITY, HIGH PERFORMANCE, VERSATILITY AND SAFETY
SHRINK WRAPPING MACHINES

MANUAL

Manual angular wrapping machines with shrink films, practical and easy to use.

Equipped with a large soldering surface, these shrink wrap machines are ideal for packing bulk objects. The angular heat sealing machines are equipped with a soldering blade and an intuitive temperature control system: in this way, you will obtain optimum welding with all types of films. The packs will always be perfect and can satisfy any kind of requirement.

SEMI-AUTOMATIC

A wide range of semi-automatic angular wrapping machines with electronic control welding system.

Semi-automatic angular wrapping machines are the ideal solution for those who want to combine maximum flexibility with a high quality of the product. The electronic control welding system is among the most advanced in its industry and the custom packaging programmes make it extremely easy to use the packaging machine.

TUNNEL

Shrink tunnel machines for the food and pharmaceutical sectors.

Versatile and flexible, Minipack heat shrink tunnel machines can be used with different types of shrink film; the result is always guaranteed, with packages sealed, hygienic and aesthetically pleasant.

AUTOMATIC

Reliability, versatility, productivity, safety, intuitive management, elegant and functional design.

The automatic wrapping machine with shrink film is the perfect solution for those who want to have a device that offers the maximum in terms of programmes and features. The Pratika line is composed of a series of innovative shrink wrap machines, and equipped with a high technological and mechanical content: The automatic packaging machines are user friendly and guarantee high performances.
Vacuum Packaging

Made in Holland, Henkelman specialises in the development, production and distribution of state-of-the-art vacuum packaging machines. From the smallest table-top vacuum packer up to the largest heavy duty vacuum double chambers. Henkelman offers the most complete range of professional vacuum packers.

QUALITY & INNOVATION
New, innovative and cutting-edge packaging machines and operating systems, where quality, performance and reliability are fixed requirements.

ADVANTAGE & SAVING
Reduce bacterial growth and extend the shelf life of products. Reduce product loss for companies inventorying products, which helps to increase the bottom lines.

PROFESSIONAL PRESENTATION
Complying with HACCP standards. From purchase and preparation to presentation. Always ensures the best condition of food freshness and a professional presentation.

PROTECTION FEATURE
Excellent barrier of protection against freezer burn during long term freezer. Protect products from dust, moisture, insects and a variety of other external elements that may harm or damage products.

OPTIMIZE STORAGE
Optimising the use of your valuable space allows all available shelves to be used efficiently by stacking different foods together.

A leading company from Italy, in terms of design and manufacturing of packaging solutions. Dozens of models patented at an international level, four technologically advanced production units, one of which fully automated, a capillary distribution and service network at the global level, quality certification according to standard UNI EN ISO 9001:2000: this is Minipack®-Torre today.

In over forty years of activity, the company conquered a leading position on the markets worldwide in the sector of packaging machines, developing products capable of guaranteeing reliability and maximum productivity, and of always amazing people for the great concepts they contain.
**COMPLETE RANGE OF VACUUM PACKAGING MACHINES**

**TABLE-TOP MODELS**
Efficient, sustainable table-top models for outstanding vacuum packaging results. For gastronomy and catering.

**FLOOR MODELS**
These models are suitable for hospitality, food and non-food industry. For vacuum packing larger quantities.

**INDUSTRIAL MODELS**
Robust single and double chamber vacuum packaging machines, suitable for large industries. Food and non-food.

* HENKELMAN products are only available in Singapore and Malaysia.
Vacuum packaging machines with external suction are an excellent tool to operate professional vacuum packaging in a simple and space-saving way.

Light and compact, vacuum packaging machines with external suction are made of stainless steel, in order to guarantee the best resistance. They are easy to use, as they operate with a fully automatic cycle.

Chamber vacuum sealers are the most used machines in food packaging, both in the restaurant field and in the industrial one. Easy and extremely safe to use, vacuum chamber sealers also are aesthetically pleasant, thanks to their compact size and their elegant design.

Some vacuum sealers are equipped with a labelling system, which makes possible to keep always under control the packaging process. The display, mounted on the most advanced chamber machines of the Vacuum series, lets you set many packaging programs in an easy and fast way; in addition, some machines boast a technology by Schneider Electric, letting you programme the sealer through a simple app.

In the industrial vacuum sealers by Minipack®-Torre, the shifting closure of the chamber guarantees a quick packaging process, making these products particularly suitable for large-scale operations.

The vacuum packaging machines of the Swing Line are made of stainless steel, ensuring a long lasting efficiency over time and an excellent quality of the packaging.

These industrial vacuum sealers are certified according to UE regulations, in order to guarantee the highest safety during the packaging. They are available in different models, suitable for the many needs in the field.

Automatic vacuum packaging machines are the most suitable machinery for the food packaging of medium and large products, in all those activities that every day must process high quantities of product.

When quantities of product to be packaged are considerable, the maximum production efficiency is achieved by the automation of the packaging process: enter here the automatic vacuum packaging machines, high-tech machines that are able to operate autonomously all steps leading food packaging. In using these wrappers, it only remains to upload products to be packed on the conveyor belt built into it, and collect output packaged on the opposite side of the machine.
Tray Sealer

INCREASED EFFICIENCY in packing process.

SEALED TRAYS ARE TAMPER EVIDENT

REDUCED THE CHANCES OF CROSS CONTAMINATION

M.A.P OPTION TO EXTEND STORAGE PERIOD for packed product.

TABLE TOP TYPE SEALING MACHINE

FEATURES

- Low-cost and high productivity, take-out and storefront model.
- Suitable for many materials (PE, PP, paper and easy-tear film)
- Leak-free sealing ensures safety, hygiene and a good product image.
- Small production runs for optimal product testing.
- Automatic error code detection.
- Security door design for added safety.
- Automatic cup-jack for different cup heights.
- New film rewinding design for quick removal.
- User-friendly and easy-to-operate microcomputer control.

AUTO ROTARY SEALING MACHINE

FEATURES

- PLC with index gear conveyor, inverter speed control and touch screen operation.
- Stainless steel frame and anodized aluminum.
- Sealing and boarded cutting (Profile cut).
- Interchangeable sealing tool (Sealing and base mould).
- Smaller body but supply large capacity.
Skin Pack

NATURAL PRESENTATION
of the quality & freshness of the product.

PRODUCTS CAN BE DISPLAYED VERTICALLY
as the skin film holds the products firmly in place.

ALL ROUND SEALING PREVENTS
any liquids in the product from escaping.

HIGH VACUUM THAT GUARANTEES A LONGER SHELF LIFE

FLOOR MODEL SKIN PACK MACHINE

FEATURES
• Cutting attachment (trims seal edge up to 2mm).
• Easy-to-move lockable trolley design.
• Rigid structure made from stainless steel and corrosion resistant aluminum, ensure the highest food hygiene standard.
• Simple design promotes easy maintenance.
• Touch screen display with PLC control system provides a user-friendly interface.
• Very safe operations due to multiple impact resistant acrylic panels.
• Suitable for many materials (PE, PP, paper, and easy tear film).
• Digitally controlled vacuum and gas flushing.
• Can handle between 6-10 seals per minutes, depending on vacuum settings.
• Quick change mold design allow for one machine to seal various sized container for improved efficiency.
• German-made Bush pump can perform independent vacuum packaging, MAP packaging, and skin packing.

AUTOMATIC SKIN PACK MACHINE

FEATURES
• Cutting attachment (trims seal edge up to 2mm).
• Easy-to-move lockable trolley design.
• Rigid structure made from stainless steel and corrosion resistant aluminum, ensure the highest food hygiene standard.
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• Digitally controlled vacuum and gas flushing.
• Can handle between 6-10 seals per minutes, depending on vacuum settings.
• Quick change mold design allow for one machine to seal various sized container for improved efficiency.
• Multi-functional setting are available for increased productivity.
• Mechanical chain conveyor and indexing for fast positioning.
Thermoforming

- **COST-EFFECTIVE**
  packaging thermoformed to the size of your product.

- **INCREASED EFFICIENCY**
  in packing process.

- **PRODUCTION PROTECTION**
  from contaminants.

- **EXTENDED FOOD SHELF LIFE**

**AUTOMATIC THERMOFORMING MACHINE**

This smart packaging technology creates individually formed, cut and labeled meat, fish and cheese packages customised to your needs – at an industrial high production speed. Naturally, these thermoforming machines also manufacture skin packages as well as vacuum packages for non-food products. The top film forming technique allows to create snap-in lids as well.
Overwrapping

**PRODUCT PROTECTION**
against theft and dust.

**IMPROVED PRODUCT APPEARANCE**

**TAMPER EVIDENT**

**ENHANCED SHELF LIFE**

OVERWRAPPING MACHINE
Suitable for square and rectangle products outer over wrapping, like CD/DVD box, playing card, soap, contact lens box, cigarette box, healthy food box, drug box, condom box, cosmetic box, perfume box, chocolate box, candy box, biscuit, note pad, soup cube...etc.

FLEXIBLE & DISPLAY PACKAGING > Overwrapping
Other Packaging Equipment

WRAP-AROUND SLEEVER
An inline continuous motion machine designed for applications that require a user-friendly, flexible and fully automatic machine.

INDUCTION SEALING MACHINE
Used for package fabrication such as forming tubes from flexible materials, attaching plastic closures to package forms, etc.

INTERMITTENT MOTION HORIZONTAL CARTONER
Automatically erects cartons by means of a rotary motion vacuum pick off from a magazine by detection, and places them into continuously moving flighted chains.

AUTOMATIC LABELING MACHINE
Designed with control systems for accurate label applications to improve efficiency and productivity.

LIQUID FILLING AND CAPPING MACHINE
Exceptional flexibility and adapts to a wide range of bottle and cap sizes

Inspection Equipment

HIGH PERFORMANCE METAL DETECTOR
Advanced detection of metal contamination in package and process applications.

CHECKWEIGHER
Provide better accuracy at faster speeds to make a real difference on your bottom line and your profitability.
WAREHOUSING

Systems And Equipment To Increase Productivity And Efficiency In Your Warehouse
High Volume Low Speed (HVLS) Fan

The Kelley brand was established in 1953 with the invention of the world’s first counterbalanced dock leveler. Today the Kelley product line includes dock levelers, vehicle restraints, integrated control systems, dock seals and shelters, HVLS warehouse fans, ergonomic scissor lift tables and a full array of products and services specifically designed to support customers’ sustainability initiatives.

Kelley is one of five brands under Entrematic, a company comprised of industry-leading brands Amarr, Kelley, Serco, Dynaco and Ditec. Entrematic provides one of the world’s most complete ranges of entrance automation products and warehouse solutions, supported by dedicated specialists with nearly 200 years of cumulative expertise.

Entrematic’s comprehensive offerings include commercial sectional doors, loading dock equipment, HVLS warehouse fans, high-performance doors, residential garage doors, pedestrian door automation and operators. Entrematic product brands are sold through an extensive network of trained dealers who provide superior installation and service. In North America, the distributor network extends throughout the U.S., Canada and Mexico.

ENERGY EFFICIENCY
Reduce overall energy costs, compared to the conventional industrial fans.

IMPROVED WORKING ENVIRONMENT
Deliver a 7-11 degrees decrease in perceived temperature.
• Reduce worker’s turnover rate.
Less cost in investing for training new workers periodically.
• Increased employee comfort can result in improved productivity.

REDUCED MAINTENANCE EXPENSES,
compared to conventional industrial fans that produce the same amount of air flow.

IMPROVED AIR CIRCULATION

COST EFFECTIVE INSTALLATION
BIG FANS
FOR BIG SPACES

DESIGN FEATURES

> Patent-pending 5-blade design optimises air flow by increasing lift off of the blade surface.
> Remote digital touch screen offers floor-level diagnostics.
> Single-axis mount decreases potential fan movement.
> Easily integrate with fire suppression panels and iFAN® centralised control.
> In the colder months, HVLS ceiling fans can be run in reverse to circulate the hot air trapped at ceiling level.

iFAN® CONTROL PANEL

Presenting iFAN® . . . the next generation of fan control. iFAN® Control Panel allows you to maximise the benefit of your large fans by enabling centralised HVLS fan control. The graphic interface of iFAN® allows you to clearly pinpoint where fans are located within the facility, and you can easily make real-time adjustments and measure key performance statistics. iFAN’s graphics also enhance each fan’s visual appearance, aiding troubleshooting efforts, clarifying facility layout, and improving group fan control.

> Network up to 30 large fans per standard configuration.
> Zone settings can address the unique operational and environmental conditions within separate areas of your facility.
> Monitor and control fans by time settings, temperature settings or temperature variance.
> Make adjustments easily and in real time using iFAN’s touch screen graphic display.
> A separate PLC control panel allows fans to be interconnected with a building fire control system.
Lumiqs™, established over 25 years ago, is a brand name of IQ Group Holdings Berhad. A global leader from Malaysia, Lumiqs™ specialises in PIR motion sensors, wirefree door entry products and LED lighting solutions. Design, innovation, quality and value are at the heart of everything they do.

GlowOne is a lighting professional company from Korea producing and distributing LED lighting products those are environmentally friendly and, for the ECO-friendly future and growth, advanced energy saving technologies are applied to.

GlowOne’s industrial lighting techniques can make the LED lights more reliable even under extreme conditions (high temperature, high humidity, dust and vibration) and also can provide all kinds of the LED Lighting products. The GlowOne’s LED Lighting products are now illuminating all over the places (indoors, outdoors, industrial sites, etc.) in the world.
Rotatable LED light bars allow for easy conversion from wide area > aisle > crossroad > T-junction configuration.

**CONTROL**
In The Palm Of Your Hand

All features of the system can be configured quickly and easily using the hand-held infra-red remote control unit. No computer or complicated software (or lighting consultant) required!

**HOW DO MOTION SENSORS WORK?**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER</th>
<th>LUMENS</th>
<th>EFFICACY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highbay 13k</td>
<td>110 W</td>
<td>13,000 lm</td>
<td>118 lm/W</td>
</tr>
<tr>
<td>Highbay 24k</td>
<td>180 W</td>
<td>24,000 lm</td>
<td>133 lm/W</td>
</tr>
<tr>
<td>Highbay 30k</td>
<td>235 W</td>
<td>30,000 lm</td>
<td>128 lm/W</td>
</tr>
</tbody>
</table>

**On / Off function**

Activates from Off - 100% upon movement.

**Stand-by function**

Illuminates at 15% in stand by and increase to 100% upon movement.

**Neighbour function**

When grouped the first Lumiqs unit will illuminate to 100%, and communicate to the neighbouring light to illuminate to 30%.

**Harvest function**

Measures the level of ambient light within an area and if movement is detected, the Lumiqs LED will illuminate to deliver the balance of light needed to maintain the desired brightness.

**SUNNY**

0-100%

**CLOUDY**

0%
LED by SAMSUNG

Driver by PHILIPS

- Extremely High Efficiency
- Extremely High Reliability
- Various Installation Types
- A/S Network
- Super Light Weight
- Dust Free & Water Proof
- Suitable For Heat Sink
- Earthquake-Resistance Design

150 LUMENS/WATT

IP66 DUST & WATER PROTECTION
Industrial Door

Specifically designed for industrial and commercial applications with heavy traffic. The absence of rigid elements makes them crash forgiving: thanks to the self-reinsertion technology, they become immediately operative again after impact without down time – which helps customers enhance their productivity.

A sectional door is suitable as a flexible closure of spaces such as industrial premises, warehouses and other types of large premises. It has none of the disadvantages of the original roller shutter, such as the lack of insulation, and all of the advantages, such as good security, strength and being well-insulated.

Unlike the traditional roller shutter or overhead door, the compact industrial door stacks the panels above the access as it opens, so it does not require counterbalance springs or a complex steel suspension framework. Not only it saves space but it is also easy to operate and maintain.
MAXIMUM SEALING
High speed roll up doors have a superior seal around the full perimeter of the door. Combined with a fast door cycle, this tight seal strongly limits air exchange, helps to save energy and keeps contaminants out.

MAXIMUM TIME SAVINGS
High speed roll up doors open and close very fast. They offer a high degree of efficiency thanks to a wide range of opening commands. Automatic opening and closing results in considerable time savings and improves the efficiency of your daily operations, material flow, traffic of personnel and goods.

CRASH FORGIVING & SELF-REINSERTING
High speed roll up doors are equipped with a self-reinserting flexible door curtain. Should the door curtain accidentally get dislodged due to the collision with a person or vehicle, just open and close the high speed door and the door curtain will reinsert itself into the side guides.

WIND RESISTANT
A high speed roll up door for exterior use is very wind resistant and withstands extreme winds. The strong flexible door curtain is tightly sealed around the full perimeter of the door. Depending on the size and the type of the door can take wind loads up to class 4 (150 km/h) of the European standard EN 12424.

A SAFE CHOICE
Flexible high speed roll up doors have a soft and lightweight door curtain free of rigid elements. When the curtain hits a person, product or vehicle, it simply folds around this obstacle. No damages or injuries will ensue, ensuring minimal downtime.
SECTIONAL DOOR

SPACE-SAVING
Sectional doors open in a vertical perspective, and they are suspended under the ceiling to create more space. This principle makes it easier to take advantage of the space both inside and outside of the door for either maneuvering or parking.

MAXIMUM SECURITY
Sectional doors are extremely secure. The lack of penetration points means it is almost impossible for intruders to gain a pivot point to prise the door open.

ENHANCED VISIBILITY
Windowpanes can be added to the door panel to provide natural light in for a more pleasant working environment. The natural light can reduce lighting costs, and the visibility can help increase communication and productivity among team members working inside and outside.

INSULATION & ENERGY EFFICIENCY
Each sectional door will differ in its insulation and weather-protection capabilities. As well as creating a more comfortable environment, insulation will help cut heat loss, potentially saving cost on your energy bills.
COMPACT DOOR

SPACE-SAVING & FLEXIBLE DESIGN
The unique folding mechanism stacks the panels above the door opening. Light fittings, roof glazing and overhead cranes are not obstructed. The panel inserts can be customised to meet client’s requirements.

SMOOTH OPERATION & LOW MAINTENANCE
Its unique and patented rail system without the use of balancing springs. This guarantees a long life cycle and minimum maintenance. With its low-noise electric motor, the panels fold up extremely quiet and smooth.
The Kelley brand was established in 1953 with the invention of the world’s first counterbalanced dock leveler. Today the Kelley product line includes dock levelers, vehicle restraints, integrated control systems, dock seals and shelters, HVLS warehouse fans, ergonomic scissor lift tables and a full array of products and services specifically designed to support customers’ sustainability initiatives.

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WHAT IS A DOCK LEVELER?

Dock levelers bridge the gap and height difference between the dock and the trailer. They also compensate for the up and down float of the trailer bed during loading. A dock leveler includes a ramp (hinged along its rear edge) and a lip (hinged at the front of the ramp). When not in use, the dock leveler is stored in its neutral position, flush with the loading platform floor. To use a dock leveler, the operator raises the ramp and the lip swings out. With the lip extended, the operator lowers the ramp until the lip rests on the truck.

Types of Dock Levelers

AIR-POWERED DOCK LEVELER

Simple operating principle, robust design and excellent reliability. These features contribute to lower operating costs, increased productivity and improved safety.

Air powered dock levelers allow simple push-button control over the dock leveler, reducing strain on loading dock workers. A PVC-coated reinforced polyester lifting bag provides reliable leveler positioning. An integrated single speed fan and motor assembly supplies air to the system. The high volume, low pressure air activation system allows fast leveler deployment using low pressure air (4 psi). The single phase, 120V fan eliminates hoses, clamps and hydraulic fluids required with traditional hydraulic dock levelers.

All Kelley air powered dock levelers incorporate Kelley’s unique gravity lip mechanism. The lip mechanism takes advantage of the dock weight and gravity to automatically extend the leveler lip during docking. This simple mechanism eliminates the operator intervention required with manual levelers and replaces powered lip extension systems commonly found on hydraulic levelers.
WAREHOUSING EQUIPMENT  >  Dock Leveler & Shelter

**MECHANICAL DOCK LEVELER**
This is the most common of the dock leveler category and typically the least expensive. This leveler style uses a mechanical spring system to raise the leveler and is typically “upward biased.” This means that the spring is tending to force the leveler deck to rise up all of the time and a restraining device is preventing that motion. No electrical power supply at the dock is required for such a mechanical leveler.

**HYDRAULIC DOCK LEVELER**
Designed to handle the workload of the highest volume loading docks. A hydraulic cylinder is used to raise and to lower the deck, while another is typically used to operate the lip. These levelers may come in various configurations and may be powered by everything from 110V single phase to 575V three-phase. The hydraulic option gives you more versatility than either mechanical or air dock levelers and typically would have lower service and maintenance costs.

**VERTICAL DOCK LEVELER**
A dock leveler that is stored in a vertical position. This allows you to store the leveler inside the building and to close your dock door on concrete, instead of across the leveler, as is the case of a pit leveler. This should allow better environmental control in your building. These vertical levelers are often used in food service applications or areas where wash down is an issue. Vertical levelers are typically pit or shelf-mounted and hydraulically operated.

**EDGEOF DOCK LEVELER**
For light-volume loading bays, an edge of dock leveler can be an affordable option. Instead of requiring a pit for installation, these units simply mount to the edge of the dock. They take the place of portable plates, offering a much higher degree of safety, and are much easier to install than other leveler systems. They are best suited for docks with a captured fleet of trucks, or a situation where the truck floor is within 3 inches of the dock floor as they have a limited service range.

**DOCK SHELTER**
Dock Shelters help protect your assets and your people from the elements while providing full, unimpeded vehicle access for a safe and productive dock. Dock shelters also help maintain temperatures in climate-controlled facilities, adding to the energy saving benefits. The flexible structures can withstand damaging force and compression when a trailer backs up to the wall for years of reliable performance.
LIFT PRODUCTS
Lift products help increase productivity and employee safety with providing innovative, cost effective solutions to the unique challenges associated with moving products in the plant and on the dock.

DOCK LIFTS
INCREASE PRODUCTIVITY AND EMPLOYEE SAFETY
Make your dock 100% accessible! Dock lifts allow workers to safely load and unload with ease in a variety of dock applications.

ADVANTAGES
> Hydraulic operation ensures a safe and efficient loading/unloading solution for restricted spaces.
> All hydraulic dock lifts can be surface- or pit-mounted.
> Perfect where space is limited, combining a hydraulic dock leveler and scissor lift to provide two functions at one loading dock position.
> Has a very low profile, which provides a more level interface for loading and unloading.
> Makes loading operations safer, especially in inclement weather.
> Truck levelers can be surface- or pit-mounted and compatible with any size truck or trailer.

MAKE PRODUCTS & MATERIALS MORE ACCESSIBLE WITH IN-PLANT LIFTS
The full line of In-Plant Lifts – hydraulic, air-powered and mechanical lift tables, turntables and tilters – reduce back-related injuries while increasing overall productivity by making products and materials more accessible to the workforce.

In-Plant Lifts automate simple tasks, such as tilting bins for easy access, turning products or pallets, lifting or lowering materials to feed machines, and ergonomic product positioning and transportation.

ADVANTAGES
> Solid steel construction and stiffener bars for strength and support.
> Hydraulic lift products’ polyethylene tanks prevent condensation and allow easy visual checks of oil levels.
> Velocity fuses on hydraulic lift products prevent uncontrolled descent.
> Pneumatic lifting tables provide performance, reliability and support sustainability goals.
Racking System

DESIGNED FOR STRENGTH, DURABILITY AND EASE OF ASSEMBLY

The pallet racking system comprises a comprehensive choice of frames and pallet support beams which are precisely selected and combined to meet the load requirements of any storage application safely, efficiently and cost-effectively.

**LONGSPAN RACKING**

Maximum versatility that can accommodate a wide range of storage situations. Suitable for creating custom-built installations for most commercial, industrial and retail environments.

**SELECTIVE RACKING**

This system allows selection of any pallet storage position at any time and aisle widths are determined by handling equipment requirements.

**CARTON FLOW RACKING & MEZZANINE FLOOR**

Provide additional work or storage area by maximising the use of vertical space. Mezzanine floors are endlessly adaptable. It can be extended, dismantled or relocated.

**CANTILEVER RACKING**

A storage space without sharp edges. Its arms move upwards and sideways when accidentally stroked by a forklift to prevent deformity. Positioning and adjustment of arms are easy.

**POWERED MOBILE RACKING**

Double the pallet storage capacity, while allowing 100% stock availability.

**VERY NARROW AISLE (VNA)**

The storage arrangement enables first-in-first-out access to all goods. VNA trucks can be mechanically or electronically guided for smooth and safe transport.
WORKPLACE SAFETY & PROTECTION

Equipment And Accessories For Ensuring The Safety And Efficiency In The Workplace.
DO YOU WANT TO PREVENT THIS FROM HAPPENING IN YOUR WORKPLACE?
DAMAGE PREVENTION

A full range of engineered solutions that protect your people as well as your property and equipment. Self-protecting products with shock displacement and deflection designed to reduce damages to goods and personnel. Products that will make your warehouse environment safer, cleaner and more attractive.

SAFETY & PERFORMANCE

Full line of electronic safety devices designed for forklifts, construction equipment, aerial lifts, personal carriers, and hazardous transport trucks. With RFID-code-biometric access, monitoring, checklist automation, impact and speed sensing and control, directional shift controls, anti theft wireless relay systems, digital video recorders with GPS, cellular hour meters and high accuracy weigh scales.
Forklifts have long been integral to warehouses. However, forklifts can be very dangerous when handled inappropriately. The heavy and sharp arms of the forklift can cause serious damage to people and materials if the machine is not operated correctly.

**MORE VERSATILE, SAFE & PRODUCTIVE SOLUTION!**

Syspex offers a wide range of attachments to make forklifts more versatile, safer, less prone to damage, more productive, and easier to operate. We also offer camera systems, sensors, lights, and accessories that make forklifts safer for drivers and nearby pedestrians.

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**INCREASED SAFETY**

Shows a crystal-clear image of the forks and surroundings, improve safety and reduce risk.

---

**IMPROVED EFFICIENCY**

View of the position of the forks, the load or the surroundings of the forklift truck. A camera-monitor system that assists drivers in manoeuvring between racks and moving pallets in a safer, faster and more comfortable manner.

---

**REDUCED DAMAGE**

Damages can occur easily, either on the forklift truck itself, people, goods or racking. This camera system shows everything that the driver needs to see. The forks, the load or the surroundings. A better view increases awareness and reduces risks.

---

**IMPROVED ERGONOMICS**

Fatigue reduces concentration, precision, speed and efficiency. This camera-monitor system improves this considerably and ensures that the driver can see all that is required while enjoying correct posture.
ACCESS & MONITORING SYSTEMS
State-of-the-art wireless equipment access and monitoring system that maintains Occupational Safety and Health Administration (OSHA) regulations with automated checklists, keyless ignition, creates driver accountability with impact and speed sensing, prevents unauthorized drivers by requiring code input or RFID card reading, extends equipment life with scheduled maintenance by date or hour meter reading, monitoring usage, time moving and time loaded.

WEIGHING DEVICES
- Increases loading safety in yard and/or warehouse.
- Allows correct and even loading of storage and vehicles.
- Value-adding system for minimal investment.
- Enables check-weighing of incoming and outgoing goods.
- Identifies operators and forklifts at risk through memory feature.
- Increases vehicle efficiency.
- Maintains accuracy; requires no periodic re-calibration or servicing.
- Promotes best operator use.
- Maintains lifting capacity and driver visibility.

SPEED & ABUSE DEVICES
- Significantly improves the safety of equipment in-use in congested environments.
- Makes drivers accountable for reckless speeding habits.
- Basic form “warns” operator when he/she is speeding during “graceperiod.”
- “Graceperiod” setting allows operator to slow vehicle before siren alarm sounds.
- Siren alarm alerts everyone in the plant that vehicle is speeding.
- Optional fuel control solenoid (LPG engines) controls fuel flow to set speed-automatically.
- Automatic control removes the responsibility for speeding from the operator.

PEDESTRIAN SAFETY SYSTEMS
When mounted to a forklift or other moving vehicle, the FOREWARNER projects a solid BLUE or RED tightly focused spot on the floor behind or in front (or both) of the vehicle. This unique light spot on the floor is clearly visible to pedestrians and other vehicles in the area - alerting them to the nearby presence of the forklift.
NO MORE EXPENSIVE REPLACEMENT of metal bollard, metal pedestrian protection, roller shutter & high speed door!

Multi-Dimension Damage Prevention

DEFLECTOR POST
Sometimes The Best Defense Is Rolling With It
- Distributing impact energy with rock and spin capabilities.
- Protects against glancing blows, perfect for high-traffic corners.
- Quick installation and require no maintenance.

GOAL POST
Protecting Your Doors From Impact
- Withstand direct impacts from heavy equipment.
- Spinning and lifting to absorb damaging forces.
- Quick installation - thanks to molded nylon cups that let each support pipe to install independently.

PEDESTRIAN BARRIER
Asset Protection Starts With Your People
- Separating your workforce from the four-ton forklift careening across your warehouse floor.
- Keeps your people safe and your business protected.
WHAT IS A **VEHICLE RESTRAINT**?

A vehicle restraint is a piece of equipment installed at the loading dock that is intended to prevent a transport vehicle from leaving the dock during the loading/unloading process. It is also a serious safety hazard for a trailer to pull away from your loading dock while your forklift operator is still inside. A properly engaged restraint will prevent this. A vehicle restraint can also help keep your very expensive trailer and cargo at the dock where it belongs rather than disappearing as soon as you leave for the day.

**TRAILER RESTRAINT SYSTEM**

Available in both mechanical and powered models, Kelley restraint systems are at the forefront of technology in the industry, bringing you design simplicity, the fewest moving parts, minimal maintenance and ease of operation.

**NON-IMPACT OPERATION**

Non-impact operation for less maintenance, more reliable performance and longer service life.

**SUPERIOR COMMUNICATION**

with hook-mounted sensor bar, LED exterior/interior lights, caution signs and audible alarms. Improves communication between dock workers and drivers.

**LOW MAINTENANCE**

Quality engineered to minimise maintenance requirements and costs.

**WHEEL CHOCKING SYSTEM**

For trucks with lift gates, damaged rear impact guards, or unconventional trailer configurations, traditional truck restraints just won’t work. That’s when you should turn to Kelley Entrematic Wheel Chocking System solutions — always a reliable approach to securing virtually any truck or vehicle configuration, assuring safe, efficient loading dock operations.

**COMPATIBILITY**

with ranges of trailer configuration.

**HEAVY DUTY STEEL CONSTRUCTION**

Ensures **LONG STRUCTURAL LIFE**

**SUPERIOR COMMUNICATION**

with LED exterior/interior lights
INTEGRATED MASTER CONTROL PANEL

**FULLY INTEGRATES OPERATIONS**
for the dock leveler, vehicle restraint, overhead door and other dock equipment.

**SINGLE POWER SOURCE**
and voltage type saves field electrical and wiring installation costs.

**SEQUENTIAL OPERATION**
Interlocks equipment to ensure safe.

Leveler functions are interlocked with other dock devices to prevent operation until all the safety systems are operational and the dock doors are opened.

Vehicle restraints are controlled through the Master Control Panel and interlocked with other dock devices to prevent operation until the trailer is securely locked in place.

Exterior dock doors are controlled and monitored for increased dock security and prevention of accidental door damage.

Interior dock lights can be powered through control panel and can be programmed to operate before dock operations begin.

Inflatable seals and shelters are sequentially controlled and monitored for increased environmental efficiency and security.

Integral maintenance disconnect cuts power to the control panel for routine service and maintenance; two styles available.

120V GFI duplex receptacle, located on the side of the panel, provides auxiliary power for other devices.

Kelley Master Control Panel can be customised with bilingual labels for clearer communication on operating instructions.
MATERIAL HANDLING EQUIPMENT

Systems For Movement, Storage, Control
And Protection Of Materials, Goods And Products
Piab is a company rich in competence and with an organization whose culture, structure and processes encourage an innovative climate. Since the company was established in 1951, a wide range of products have been developed in the fields of vacuum and measuring techniques. The first product developed was a drawing compass that simplified the work for designers and draftsmen, and thereof the company name Pi (3.14) AB.

Piab provides smart solutions for the automated world, helping thousands of end users and machine producers in e-commerce logistics, food, pharma, automotive and other manufacturing industries to improve energy-efficiency, productivity and working environments.

With 430 employees and SEK 1bn in sales 2017, Piab is a global organization, serving customers in almost 70 countries from a network of subsidiaries and distributors. By leveraging the ongoing technological development in automation and robotics, and targeting high-growth segments and geographies, Piab’s vision is to become the global leader in gripping and moving solutions.
**Vaculex® TP**  
*Express handling (5 - 65 kg)*

Vaculex® TP is extremely versatile and can handle a great variety of goods of different size, shape and weight. It grips the goods from any side and you can easily rotate and angle to place where required. Standard capacity is 40 kg which can be increased to 65 kg.

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**Vaculex® ML**  
*Easy change-over of accessories (5 - 55 kg)*

Vaculex® ML is a one hand operated vacuum lifter which is easily customised to adapt to most handling situations with loads weighing between 5 and 55 kg. This serie offers large possibilities to choose between a range of different control handles, suction feet and other options to optimise the lifting system for your specific handling situation.

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**Vaculex® VL**  
*For heavier loads (5 - 250 kg)*

Vaculex® VL is a user-friendly and powerful lifter, operated with two hands, mostly used in general industry where the need for specialised heavy-duty tools are common. Vaculex® VL can lift boxes, sacks, drums, metal sheets, doors, computers, crates, barrels, TVs, white goods, furniture and much more - anything up to 250 kg.

With the right combination of accessories Vaculex® VL can lift multiple objects at once, tilt and rotate goods. Vaculex® VL will also balance at an adjustable resting height when the handle is released – with and without the lifting object. Powerful lifting of almost anything.
LIFT&DRIVE ELECTRIC LIFTER

Lift&Drive has ensured a better working environment while also reducing the number of employees on sick leave due to work related and repetitive-strain injuries. Lifting becomes easier and safer therefore reducing the risk of injury. Customisable in various sizes, designs and models. The Lift&Drive is battery operated and requires very little maintenance.

For maximum safety, all Lift&Drive trolleys are equipped with a built in safety clutch, which automatically disengages when lowering the load if it should encounter an obstacle. The column has a screw drive which makes them reliable and durable over many years of service.

PALLET INVERTING & CHANGING SYSTEM

Provide reliable, economical and efficient means to invert loads and to change pallets. The pallet inverter allows easy transferring of products to pallets or slipsheets and replacement of damaged pallets or cartons. It also enables recovery of damaged products from bottom of stack.
HAND PALLET TRUCK
Excellent tool for lifting and carrying loads on pallets or size-standardised containers.

SCALE PALLET TRUCK
Designed with a built-in measuring device to weigh the product load.

POWERED PALLET TRUCK
Suitable for high intensity operations yet flexible to satisfy a wide variety of warehouse applications providing high performance and efficiency.

FORKLIFT
Designed with a wider view mast allowing increased safety and accuracy.

ELECTRIC REACH TRUCK
Fast response to operating commands, precise power control and compact components.

ELECTRIC STACKER
Versatile stackers providing efficient solutions to meet all possible warehousing and handling requirements in most industrial work environment.
Drum Handling

**1EG DRUM TRANSPORTER**
A simple, safe and effective manual materials handling method in moving, lifting and lowering drums, while keeping it in vertical position, without the use of a forklift truck. The BULLE Drum Transporter safely and easily picks up steel, poly and fibre drums, and raising or lowering it to a full 500mm. Eliminate strained backs, pinched fingers and work injury risks caused by manhandling drums.

**4EL FOUR DRUM HANDLING ATTACHMENTS**
The 4EL is an all mechanical lift truck attachment that utilizes automatic clamping mechanism to handle one to four drums at a time without any hydraulic or electrical connections to the lift truck. The 4EL is ideal for palletizing drums or unloading trailers.

**DE SERIES HEAVY-DUTY DOUBLE CLAMPING MECHANISMS**
The top of the line DE Series of lift truck attachments incorporates heavy duty double articulating clamping mechanisms for handling any steel, plastic or fibre chimed drums in high volume applications. These attachments provide the safest available method of lifting and transporting any chimed drum with a lift truck. The clamping mechanism is completely mechanical that does not require hydraulic or electrical connections. The DE Series is strongly recommended when handling fibre and plastic drums in excess of 350kg and light gauge open head steel drums.

**SE SERIES HEAVY-DUTY SINGLE CLAMPING MECHANISMS**
The SE Series of lift truck attachments utilizes a heavy duty, single automatic clamping mechanism for handling steel and plastic drums in high volume applications. The clamping mechanism is completely mechanical that does not require hydraulic or electrical connections. Positive actions jaws ensure safe transporting of drums without damaging the drum chimes.

**CUSTOM MADE EQUIPMENT**
Custom-built transporters and self-propelled equipment for specific requirements in handling rolls or drums are also available.
Forklift Attachments

Versatile tools for general handling, designed with a very strong and compact frame structure with excellent visibility through the frame.

Hinged bucket is a bucket mounted on the hinged fork to facilitate the handling of loose or bulk loads. The bucket is mounted with pins and is easily detachable allowing the operator to use it as a hinged fork or for any other normal operation. It is commonly used for handling raw materials such as sand, cement, grain, salt and waste materials.

2-WAY PORK CLAMP

Welded directly to the clamp frame, the slim arms knife between bale stacks of pulp, cotton, wool, fabrics, tobacco and other similar products.

BALE CLAMP

Suitable for heavy handling of palletised loads, particularly in brick industry and food and beverage industry, allowing the handling of more load in less time during storage or loading and unloading of vehicles.

HINGE BUCKET AND FORK

MULTI-PALLET HANDLER

Versatile tools for general handling, designed with a very strong and compact frame structure with excellent visibility through the frame.

Paper roll clamps

Suitable for lifting horizontal and vertical paper rolls in various diameters and allowing compact stacking and easy retrieving.

PALLET INVERTER

Used for transferring loads from one pallet to another load carrier or for turning a load if required in a production process. Typical operational uses for the food, paper, beverage, chemical and wood industries. Side support plates are also available for delicate loads.

TRI-LATERAL HEAD

With the Trilateral Head, pallets can be stored and retrieved sideways within narrow aisles. It can also rotate 180° allowing storage on both sides. This can only be used in combination with a lateral load-bearing mast and must require a stability test.
COUNTING & TABBING

Paper Counting And Tabbing Machines Delivering Accuracy And Efficiency.
Counting & Tabbing

ACCURATE COUNT RESULTS GUARANTEED
Eliminates inconsistencies.

MAXIMISED PRODUCTIVITY AND THROUGHPUT

MINIMISED DOWNTIME
Eliminates hand-counting operations.

SUITABLE FOR A WIDE RANGE OF APPLICATIONS AND MATERIALS

USER-FRIENDLY OPERATION

The World Counts On Vacuumatic
For over half a century the world has been enjoying the benefits of Vacuumatic’s pioneering paper counting technology.

Vacuumatic is the global leaders in the production of state-of-the-art paper counting, batch marking and tabbing equipment, from benchtop to flow-line units. The company supplies the security and commercial print industries, paper mills and converters with highest quality products.

When you are working long term with the world’s central banks, security and commercial printers, government departments, pharmaceutical houses and paper mills there is no room for error and certainly no room for complacency.

Vacuumatic machines are designed, developed and manufactured in-house, in the UK, for distribution worldwide from their Colchester HQ, via Vacuumatic companies in the US and Germany and through our comprehensive global network of professional distributors.
COMMERCIAL COUNTING SYSTEMS

SINGLE HEAD PAPER COUNTING MACHINE
For accurate, efficient paper counting and batching.

FEATURES
- Choice of counting technologies.
- Colour touchscreen with icon based settings.
- Range of standard table formats.
- Short count cycle times.
- Tab insertion as standard.

NON-CONTACT COUNTING MACHINES FOR PLASTIC AND BOARD
Counting sheets or products made from materials that are too thick or heavy to count mechanically.

FEATURES
- Fast, accurate stack quantification.
- Non-contact counting technology.
- Counts a wide range of materials.
- Colour touchscreen.
- Flexible modular construction.

SECURITY COUNTING SYSTEMS

TWIN HEAD SHEET COUNTING MACHINE
Twin-head machine available with either Disc or Pin-&-Blade counting technology, enabling clients to choose the method that best suits their materials or application.

FEATURES
- Choice of counting technologies.
- Colour touchscreen with icon based settings.
- Range of standard table formats.
- Short count cycle times.
- Tab insertion as standard.

BANKNOTE COUNTING MACHINE
High speed note counting machine with two basic configurations and capable of being customized to fit within a client’s individual process line.

FEATURES
- Accurate at speeds of up to 10,000 spm.
- Reliable disc counting technology.
- Low noise level allows use within office type environments.

TAB INSERTION SYSTEMS

UNIVERSAL TAB INSERTER
Compact tab inserter system, enabling accurate tabbing and batching of sheeted piles with the minimum requirements of space and investment cost.

FULLY AUTOMATED TAPE FEED AND CUT SEQUENCE
Tab insertion system has been designed to offer tabbing as cost-effectively as possible on presses and sheeters that are equipped with their own programmable counting or sheet inspection system.
PACKAGING CONSUMABLES

A Variety Of Packaging Consumables For All Kinds Of Application.
Compressed Wood Pallet

OPERATIONAL BENEFITS

- Save up to 70% in loading space due of its stackable/nestable design.
- No exposed nails, wood splinters or screws to cause injury to worker and damage to packaging.
- Rounded edges & corners improve stretch wrapping.
- Easy storage and transportation of heavily loaded items.

ENVIRONMENTAL BENEFITS

- ISPM 15 compliant, quarantine-free.
- Made from raw materials and recyclable.

FINANCIAL BENEFITS

- Competitively priced, pallet cost reduction up to 40% or more, compared to traditional wooden pallet.
- No need for heat or fumigation treatment.
- Termite and weather resistant.
- Lighter than wood, rackable/nestable pallets have low tare weight = Savings on freight charges.

ISPM 15 CERTIFIED

20PCS TRADITIONAL WOOD PALLET

20PCS COMPRESSED WOOD PALLET

up to 70% SPACE SAVING
FLEXIBLE PACKAGING FILM
Protect And Prolong Your Products’ Shelf Life

- Anti-static Bag
- Zipper & Stand-up Bag
- Frozen Food Bag
- Liquid Bag
- Vacuum Bag
- Environmental Supplementary Pack
- Paper Packing Material
- Retort Pouch
- Easy Peel-off Lid-film
- Medical Bag

BRC/IOP  FSSC 22000  ISO 22000  HACCP  ISO 9001
**CORRUGATED CARTON BOXES**

Corrugated carton boxes are widely used in the packaging and warehousing industry. Carton boxes are lightweight, versatile, easy to store, collapsible, offers shock absorption properties, 100% recyclable, easily disposable and cost effective which is also why they are most commonly used to transport and store products during distribution.

**KRAFT PAPER SINGLE FACE ROLL**

Highly adaptable protective "mattress" gives you secure shipping protection for wide range of products.

**EDGE PROTECTORS**

Stabilise pallets, protect product edges, provide stacking strength and support products during handling operations.

**PAPER PALLET**

Paper shipping pallets come in corrugated fiberboard, partial wood decks or engineered with laminated paperboard. Some are made of paperboard composite honeycomb. Paper pallet is an excellent environmentally-friendly alternative for wooden, plastic or other pallets. Due to its light weight, you will make significant savings in transport cost, both in land and airfreight. Paper pallet are ideal for export shipments as they are ISPM-15 compliant and need no treatment as wood does.

**PAPER SLIP SHEET**

Using slip sheets instead of wooden pallets allows more products in material handling containers.

**PLASTIC PALLET**

Plastic pallets are extremely durable. They resist weathering, rot, chemicals and corrosion too so most acids and toxic chemicals can be cleaned from them easily.

**SHIPPING AND HANDLING INDICATORS**

Designed to monitor if cargo has been mishandled during transport.

**PLASTIC SECURITY SEAL**

Provide security and tamper-resistant protection to valuable items.
**PACKAGING BAGS**
Wide selection of bags such as bubble bags, PE poly tubing, LDPE bags, nylon bags, trash bags, vacuum bags, zip lock bags & more.

**PET STRAPPING**
Polyester (PET) strapping provides the same performance as steel strapping at a fraction of the cost of steel. Companies are saving up to 70% by converting to PET Strapping.

**PP STRAPPING**
Polypropylene (PP) Strapping is the most economical, lightweight, and well suited for most light to medium weight bundling and light palletising applications.

**SHRINK FILM**
Shrink film covered loosely around a product or load & it shrinks tightly when heat is applied. To protect a single product from dust or weather; or to tightly combine smaller items together.

**STRETCH WRAPPING FILM**
Stretch film is an elastic and highly stretchable plastic film that is wrapped around goods, keeps goods tightly bound and protected.

**THERMAL TRANSFER RIBBON**
A polyester film on which are coated different layers. Ink layer is transferred to the label thanks to the heat delivered by the thermal head of the thermal printer.

**TAPES AND ADHESIVES**
General purpose box sealing tapes, packaging tapes, masking tapes, paper gummed tapes, filament tapes, acrylic foam tapes, floor tapes, cloth tapes and more.

**BUBBLE WRAP**
Suitable to packing fragile items. Bubble wrap is made up of regularly spaced, protruding air-filled bubbles hemispheres that provide the cushioning for fragile or sensitive objects.

**PACKING LIST ENVELOPE**
Holds and protects all kinds of documents; packing slips, invoices, warranty information, operation instructions, wiring diagrams and manifest logs.

**PP STRAPPING**
Polypropylene (PP) Strapping is the most economical, lightweight, and well suited for most light to medium weight bundling and light palletising applications.

**KRAFT PAPER BUBBLE MAILER**
Provides cost-effective protection to your valuable low profile items against knocks and bumps. Designed to be puncture resistant and contains high quality air retention bubble wrap for longer protection.