



# The Tri-Wall Groups

within Tri-Wall Limited



## "One World, One Tri-Wall"

The name "**Tri-Wall**" came into existence in the early 1950's when a small box maker in New Jersey, USA, invented the manufacturing process for a new, heavy-duty corrugated material.

As a replacement for wood and other outmoded materials, Tri-Wall Pak®'s many advantages were quickly recognized. Within a decade of its introduction into the US marketplace, Tri-Wall Pak® could be found in virtually every area of industrial and agricultural transport packaging.

The great success of Tri-Wall Pak in the US led the company to extend its reach worldwide through a series of local partnerships. Beginning with the UK in the late 1960's, Tri-Wall came to Asia in 1974 when the company established a partnership with one of Japan's largest paper companies. Over the next thirty-years the tremendous success of **TRI-WALL K.K.** in Japan led the company to expand into the neighboring regions. This was the beginning of what we now call the "**TRI-WALL GROUP**".

In 2010, Tri-Wall's corporate headquarters was shifted from Tokyo to Hong Kong, a natural move reflecting the Group's increasingly International corporate profile, and China's central importance to the Group's long-term vision and growth. From Hong Kong, **TRI-WALL LIMITED** oversees the Tri-Wall Group subsidiary holding companies for Japan, Southeast Asia, and China. Key functions include corporate planning, group financing, IT, and public/investor relations.

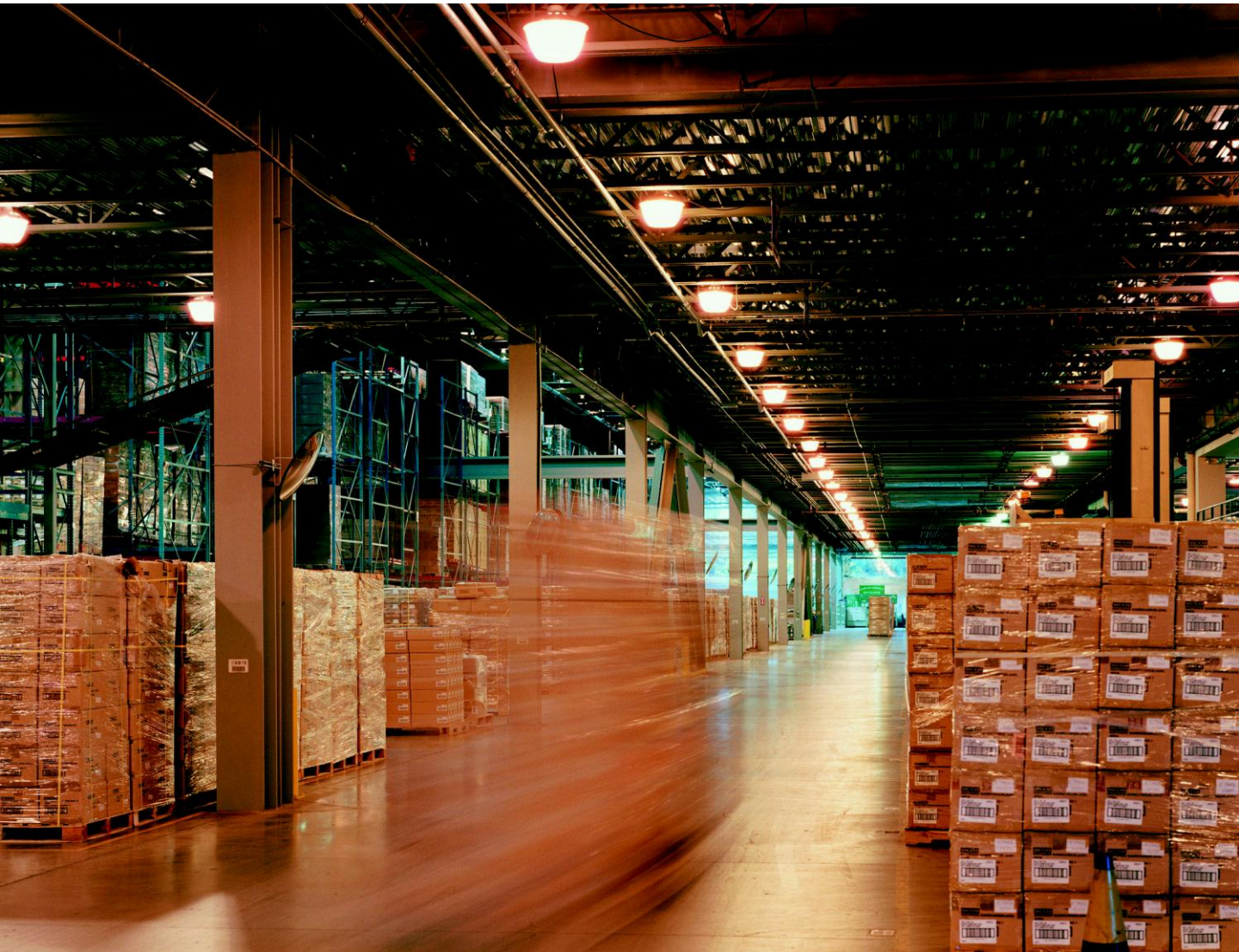
Today, the Tri-Wall Group is still evolving. Our Asian network continues to expand, even as we increase our global awareness and broaden our corporate goals. We are carrying the Tri-Wall name into non-packaging related areas; creating new products and services using the same world-class standards for innovation, quality, and customer-driven performance that Tri-Wall established over half-a-century ago.

"One World, One Tri-Wall" – wherever our customers are, we provide products and services that set the standard for quality reliability and excellence.

## Global Network

"Global Network" refers not only to the physical locations operated by Tri-Wall worldwide in most industrialized and emerging economies (corrugating plants, converting plants, and research and design centers), but includes the more than half a century's worth of accumulated experience and know-how gained through helping companies reduce total packaging costs, and rationalize their material handling and logistics systems.

The strength and breadth of Tri-Wall's Global Network means rapid, effective response to the demands of an increasingly sophisticated economy; an economy that depends - every single day - on the safe, efficient, and environmentally conscientious transport of hundreds of millions of products, to every corner of the globe. Our customers have learned that Tri-Wall truly is "The Only One".





# Tri-Wall Pak



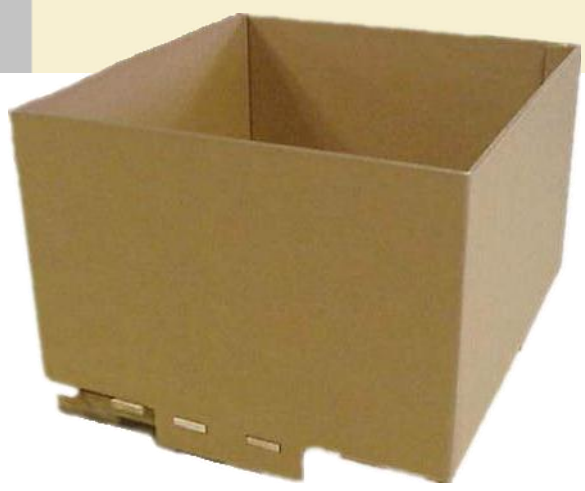
**New Packaging Logistics**

# Tri-Wall Pak®

Its triplewall construction creates higher compression strength than wood packaging of equivalent size.

It is in compliance with and approved by US Federal shipping regulations and specifications.

It is the only corrugated product with a globally recognized brand name.



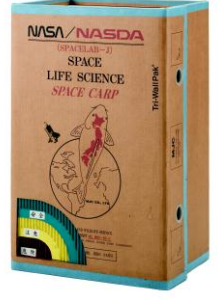
Watermelon



Export Product



Machinery Equipment



Adoption by NASA



CKD for Automobile



Small Steel



Extra long products

## Strength



Tri-Wall Pak has 10 times the compression strength of conventional corrugated board. It is excellent for stacking during shipping and warehousing.

## Light weight



Though heavy-duty in its stacking and compression strength, Tri-Wall Pak is light in tare-weight. This feature is critical in substantially reducing air freight cost.

## Minimum Packaging Size



By using one piece material, Tri-Wall Pak reduces overall package size when compared with wood packaging, thereby increasing load efficiency and reducing cost of truck and container shipments.



# Uni-Pak



**New Packaging Logistics**

# Uni-Pak

Uni-Pak is a uniquely designed reusable/returnable packaging system.

It consists of Tri-Wall Pak sleeve and plastic top and pallet.



Stacking and Compression Strength



• Electronic Substrates



- Auto Parts
- Electronic Components

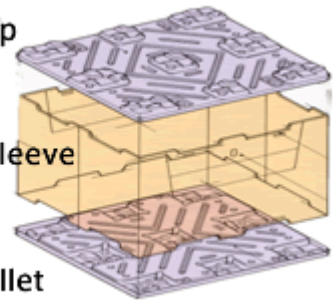
## Tough Plastic, Tough Corrugated

Unique twin-sheet thermoformed construction makes Uni-Pak's plastic tops and pallets exceptionally rugged and impact-resistant

Plastic Top

Tri-Wall Sleeve

Plastic Pallet



Storage and Logistic





# EZ BULK®



**New Packaging Logistics**

# EZ-BULK®

The EZ-BULK® is being used for variety of products ranging from chemical to food grade products and is also for the shipment and storage of non-hazardous liquid products. It has captured 1/4 market share in USA liquid packaging industry.



## EZ-BULK® Accessories



Form fit style bag liner



Pillow type style bag liner



Food Grade valve



Ball valve



Wooden pallet with corner cleats



Cam Lever couplings



Heating pad



Manual sealer tool



High tensile plastic banding and buckles



Air dunnage bag

## EZ-BULK® Applications

<b>Adhesives</b>	<b>Honey</b>	<b>Pectine</b>
<b>Apple juice</b>	<b>Ink</b>	<b>Salad oil, animal</b>
<b>Butter milk</b>	<b>Lemon juice</b>	<b>Salad oil, vegetable</b>
<b>Cattle tallow</b>	<b>Lemonade</b>	<b>Saltwater</b>
<b>Coca-Cola</b>	<b>Liquid sugars</b>	<b>Sauerkraut</b>
<b>Cocoa</b>	<b>Lubricants</b>	<b>Silicone</b>
<b>Coconut oil</b>	<b>Maize sprout oil</b>	<b>Soap, liquid</b>
<b>Cod liver oil</b>	<b>Margarine</b>	<b>Sorbitol</b>
<b>Coffee</b>	<b>Marmalade</b>	<b>Soy sauce</b>
<b>Cream, whipped</b>	<b>Mayonnaise</b>	<b>Soya oil</b>
<b>Dairy products</b>	<b>Milk</b>	<b>Starch</b>
<b>Detergents</b>	<b>Mineral water</b>	<b>Tea</b>
<b>Edible oils</b>	<b>Mustard</b>	<b>Tomato juice</b>
<b>Edible sauces</b>	<b>Olive oil</b>	<b>Tomato ketchup</b>
<b>Eggs, frozen</b>	<b>Orange juice</b>	<b>Tomato paste</b>
<b>Eggs, liquid</b>	<b>Palm oil</b>	<b>Vinegar</b>
<b>Fruit juice</b>	<b>Paraffin</b>	<b>Vaseline</b>
<b>Hair shampoo</b>	<b>Peanut oil</b>	<b>Water</b>



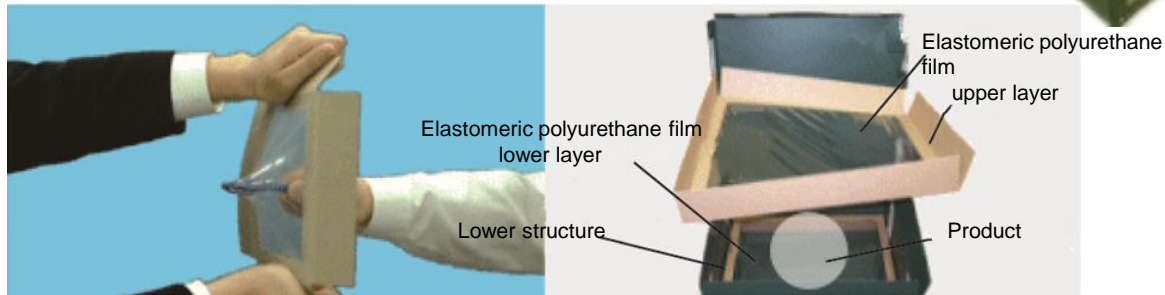


# e-starpack



**New Packaging Logistics**

e-starpack® is durable, reusable. The boxes can be quickly and easily collapsed and folded, simplifying storage and saving space.



### 【 Elastomeric Polyurethane Film 】

e-starpack®'s flexibility and durability are due to the simple yet elegant Elastomeric Polyurethane Film cartridges that can "sandwich" items of almost any shape, suspending them firmly and securely within the pack. The film also protects from electrostatic dust contamination.

## e-starpack® Applications



Printer



LCD Monitor



Spare Parts



Clothes



Single Notebook PC



Multiple Notebook PCs



POS



Chair



LCD glass



Express Box



Toolbox



# Display



**New Packaging Logistics**

# Display

In addition to professional packaging service, we also devote ourselves to developing more environmental friendly and energy efficient products and designed various non-wooded POP display and office supplies made of corrugated sheet. With cutting machine, we can easily to handle all kinds of design.



## Reasons to choose Tri-Wall POP Display

1> Corrugated display is strength, light-weighted and easy to handle.

2> It is made of compressed waste paper, which brings strong durability and can be used repeatedly. Therefore, it will significantly reduce the pollution and impact to the environment.

3> It's easy to dispose. In this way, customers can save costs, and improve efficiency.

4>The surface can be printed all kinds of images and words. Engineers of Tri-Wall can design each display according to customer's requests and add more creativity. Thus, Tri-Wall's displays are more creative and attractive.





# Other Products



**New Packaging Logistics**

# Other Products

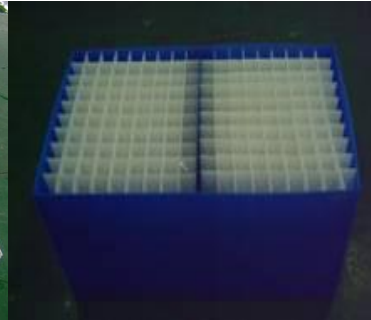
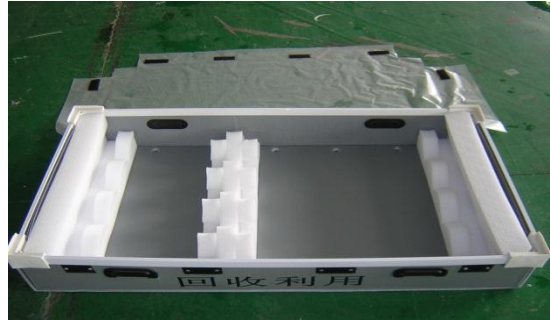
## Paper Tube

To meet the market, we also manufacture 100% recyclable paper tubing for many different industries and applications.



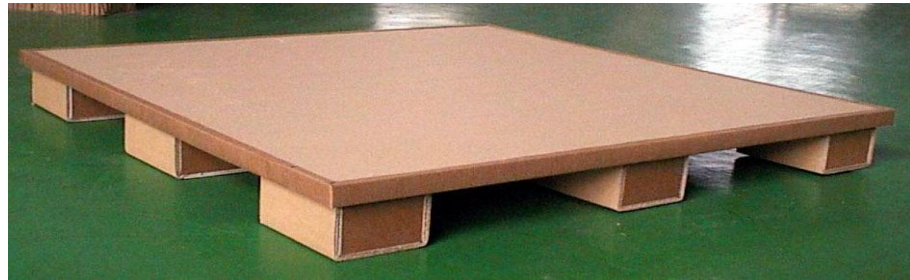
## Polypropylene Hollow Sheet

We produce a wide range of polypropylene hollow sheet in accordance with the requirements of our clients.



## Pallet

We also provides all kinds of Pallet including corrugated paper pallet, wooden pallet and iron pallet etc..



## Packaging accesaries



Pneumatic Strapping Tool



Corrugated Box Lock



Polyester Strap



PP Packing Buckle



Shock absorber ball



TW Circular Box lock



Polyester Strapping Tool



Tri-Wall Nail



Metal Hinge



TW Square Box Lock



Air Bag



PET Packing Belt