



## PT. INTERROLLER PACKAGING SOLUSINDO



- ROLLER CONVEYOR
- BELT CONVEYOR
- SORTING SYSTEMS & CROSS BELT
- DRUM MOTOR
- PALLET CONVEYOR & CRANE STACKER



- TABLE TOP CHAIN
- ALUMINIUM OR STAINLESS STEEL FRAME
- HELIX/SPIRAL
- CHAIN WIDTH 44~300 MM



- SELECTIVE PALLET RACKING
- DOUBLE DEEP RACKING
- MULTI-TIER RACKING
- DRIVE IN RACKING
- DYNAMIC STORAGE SYSTEM



- Continuous VERTICAL LIFTER FOR CARTONS/PLASTIC BIN/OTHERS
- VERTICAL CONVEYOR FOR PALLET
- HORIZONTAL PALLETIZING SOLUTIONS
- PALLET HANDLING



- DIRECTDRIVE STRUCTURE SUPPORTED SPIRALS
- DIRECTDRIVE STACKER SPIRALS
- SIDE DRIVE SPIRALS
- FRICTION DRIVEN SPIRALS

**PT. INTERROLLER PACKAGING SOLUSINDO**  
 was established in September 2019 by 2  
 professional Engineers who has 17 years of  
 experience in automation and conveying  
 systems.

# What we do:

1. **Design, supply and install of the conveying systems (roller, belt, table top chain, pallet conveyor)**
2. **Racking, Pallet flow and Picking flow rack**
3. **Automatic Sorting (Diverters, 90 degree transfer, cross belt sorter, tilt tray sorter)**
4. **AGV, AMR, Robot Management System (RMS) and Warehouse Management System ( WMS )**

<b>OUR PEOPLES</b>	<b>OUR SOFTWARES</b>
<ul style="list-style-type: none"> <li>• <b>Inhouse Mechanical Designer</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>ZWCAD Mechanical licensed</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Inhouse Electrical and PLC programmer (Siemens/Omron)</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Visual Components licensed for simulation purposes</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Inhouse Safety Officer/K3 Umum</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Solid Works licensed</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Inhouse K3 Listrik</b></li> </ul>	

## OUR VISION

“To be the most trusted and reliable company in providing solution of automation, packaging machinery and conveyor systems”

## OUR MISSION

- Best in Class Team Members
  - Fast response time
  - Customer satisfaction
  - Solution based approach



# ENERGY SAVING CONVEYOR

## MODULAR CONVEYOR PLATFORM (MCP)

Standard ROLLER/BELT width 420mm, 620mm, 820mm. Roller pitch depending on product length. Conveyor speed up to 2 meter/second. 24/48 Volt DC motor with multi control card which able to handle 4 I/O in 1 card



Interroll Light Industrial Conveyor:  
Space saving meets cost efficiency

## SORTING SYSTEMS, DIVERTERS & CROSS BELT

**Diverters :** Diverting units are used to divert products from main line based on the input from PLC which use barcode label data or product dimensioning sensors



To be used for the application which need the throughput up to 4000 pcs/hour (depend on the product dimension)  
Benefit : flexible angle (30 degree, 45 degree, 90 degree), and high throughput



## ALUMINIUM & STAINLESS STEEL FLEXIBLE CHAIN CONVEYORS

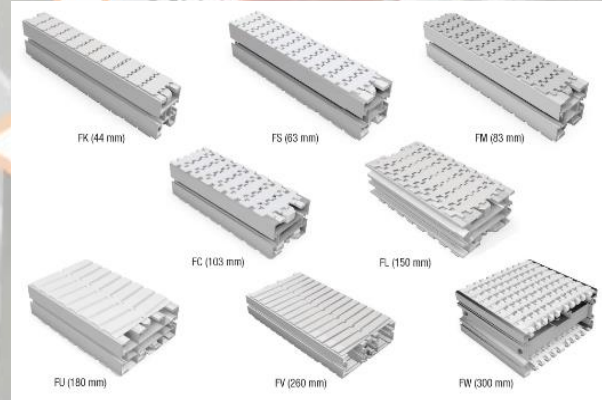


We work together with Dornier (formerly known as FlexMove) to supply table top chain conveyor from 44 mm to 600 mm width of chain. The frame can be made from aluminium or stainless steel depend on the customer requirement.



### Connecting Possibilities

Aluminum & Stainless Steel Flexible Chain Conveyors



- ✓ Simple, low cost spiral for small parts
- ✓ Allow incline or decline through corners and straights
- ✓ Provides capability for product buffering or storage for accumulation or cooling
- ✓ Reduces conveyor foot print/ floor space saving



- ✓ Specialty chain designed to grip the products for incline or decline
- ✓ Space saving
- ✓ Built with aluminium and stainless steel to meet the requirements for medical and cosmetic packaging

**PT. Interroller Packaging Solusindo**  
Ruko Sentra Komersial Blok RSK 7 No. 3  
Grand Galaxy City, Bekasi Selatan – Indonesia 17147

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#### SELECTIVE PALLET RACKING

- ✓ 100% Selectivity
- ✓ Suitable for First-In First Out (FIFO) operation
- ✓ High Visibility on stored goods
- ✓ Multi product location



#### DOUBLE DEEP RACKING SYSTEMS

- ✓ Increase storage density and capacity up to 30% more than SELECTIVE System
- ✓ Suitable for Last-In First Out (LIFO) operation
- ✓ Convertible from SELECTIVE System
- ✓ Do not required a large number of homogeneous pallet type



#### MULTI-TIER RACKING SYSTEMS (MTR)

Multi-Tier Racking System (MTR) is a mezzanine that is design and built via the pallet racking components. It can be the most efficient and economical method to create extra floor space within the building area. Depending on the design and load requirements, it's height can be maximize up until building's ceiling height. MTR is most suitable for storage of small to medium size items, which is meant for manual archive or retrieval methods.



#### DRIVE-IN RACKING SYSTEMS

- ✓ High storage density
- ✓ Suitable for Last-In First Out (LIFO) operation
- ✓ Suitable for bulk storage

## Qimarox – Components Manufacturer for Material Handling systems

Qimarox is a leading manufacturer of components for material handling systems. As a manufacturer of palletizers, vertical conveyors (product lifts), vertical pallet conveyors (vertical palletlifts), pallet dispensers and shielding systems, Qimarox distinguishes itself by its contemporary vision and approach, in which innovation, quality and added value are of paramount importance.



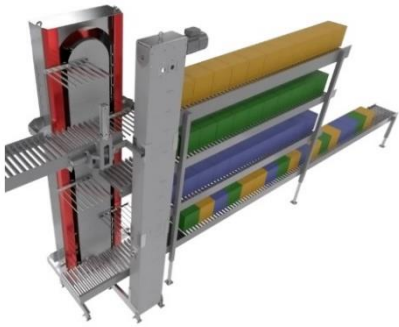
### Prorunner mk5 - Modular continuous vertical conveyor

The vertical conveyor Prorunner mk5 is a continuous product lift with the affordable price tag. The module-based Prorunner mk5 can easily reach a throughput up to 2,000 products per hour and the vertical conveyor is particularly versatile for material handling. The modular buildup of our vertical conveyors makes shipment volumes smaller and shipment costs cheaper. Our Prorunner mk5's can be used to effortlessly and quickly transport a wide variety of products to a second or higher floor as well as back to the ground floor.

This energy-efficient product lift can be used to effortlessly and quickly transport a wide variety of products. Products like boxes, cases, trays or bags can be transported to and from any height you require. The product is always carried in an upright position without the risk of product deformation.



## ProRunner mk5 / mk5 XL – Custom solutions based on standard modules



**Vertical Sorting & Buffering**  
*Buffer outfeed with mk1*



**PR mk5 - Twin**  
*Concept Applications*



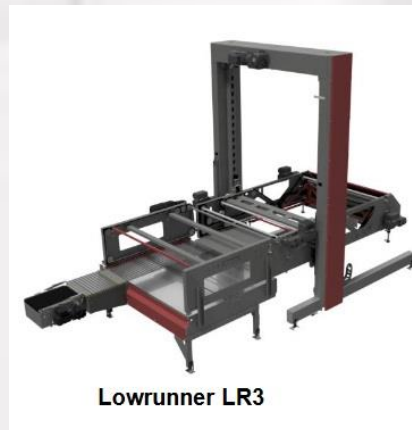
**Vertical Buffering**  
*Inline vertical buffering*

## Palletizing Portfolio Fully Standardized Modular Solution

### Low level Infeed palletizers



**Lowrunner LR1**



**Lowrunner LR3**

### High level Infeed palletizers



**Highrunner HR7**



**Highrunner HR9**

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## Contech Spiral Conveying Solutions

### **DIRECTDRIVE STRUCTURE SUPPORTED SPIRALS**

Reliable, Smooth operation, Positive Drive.

Direct Drive technology is an improvement to the typical friction driven spirals. By using the belt edge to engage with the drum, product orientation is greatly improved as well as a reduction in belt slippage.

With the added Dual-diameter zone, Direct Drive Spirals can also

handle much greater loading compared to Friction Drive, resulting

in larger systems, wider belts and higher product throughput.

Direct Drive is available in many different applications such as a proofer, cooler, freezer, hydro chiller, or any other spiral application.

Benefits:

- Positive engagement with drum and belt
- Better product orientation
- Reduction in tension, higher product capacity
- More reliable
- Reduced total cost of ownership
- the first TRUE low-tension modular plastic spiral conveyor
- Most experienced spiral solutions experts
- Extensive, worldwide install base
- Broad, global network of licensed OEMs



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## DIRECTDRIVE STACKER SPIRALS

Compact, Simplified, Space saving,  
Higher throughput.

Direct Drive Stacker spiral conveyors use the inner and outer side plates to support the belt weight. This removes the need for cantilever arms, carry way rails and most of the Spiral structure outside the drum. It also compresses the total vertical clearance, saving space for plants with tight footprints.

- More tiers in a smaller vertical space
- Horizontal airflow ensures optimal freezing efficiency
- Smooth, reliable performance
- Reduction in Spiral structure due to Self-stacking technology



## SIDE DRIVE SPIRALS

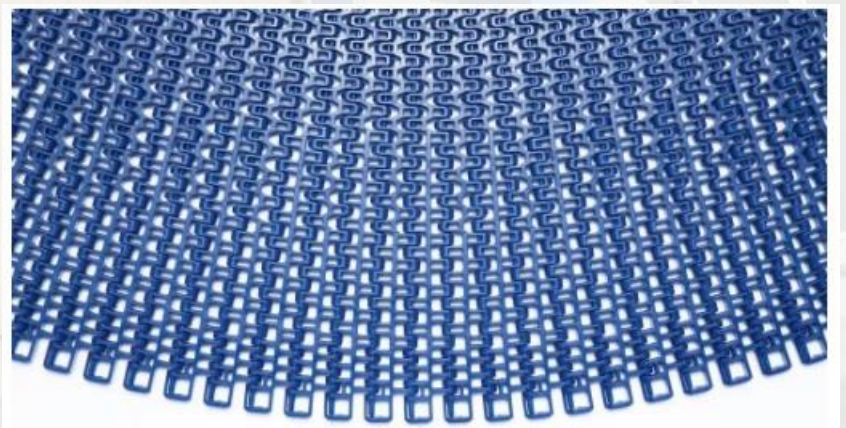
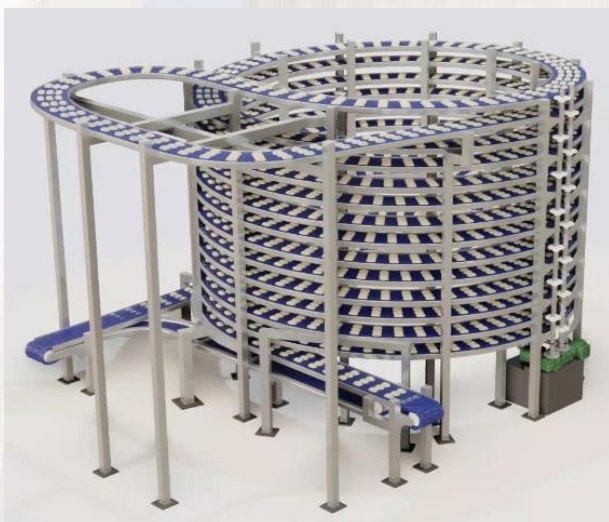
Easy Maintenance, Simple,  
Easy-to-clean, flexible design.

Side Drive Technology uses driven sprockets on the outer edges of the belt. This enables a more open and cleanable design and takes away the typical driven drum structure.

A major advantage of Side Drive is its ability to not only run in a Spiral configuration but also continue throughout the plant, eliminating transfers between conveyors, thus reducing product loss and damage.

Benefits:

- Enables flexible conveyor design options
- Accommodates infinitely long belting
- Easy to clean
- Eliminates transfers



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## INSTALLATION AT VARIOUS CUSTOMER SITE

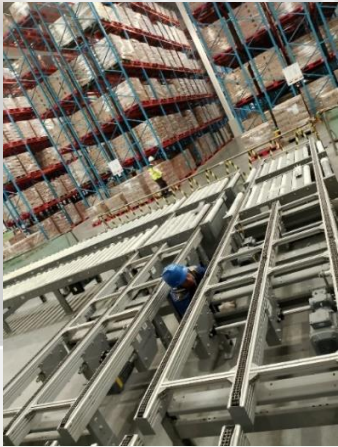


- ✓ Inhouse Mechanical and Electrical team
- ✓ Inhouse PLC Programmer
- ✓ Inhouse Safety Officer (certified)
- ✓ Inhouse K3 Listrik (certified)



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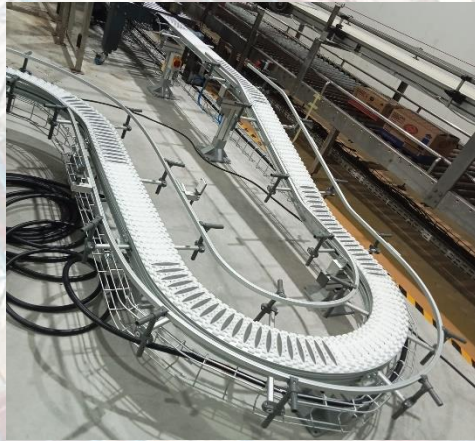
**Qimarox - Modular continuous vertical conveyor**



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# Conveyor Dorner Type



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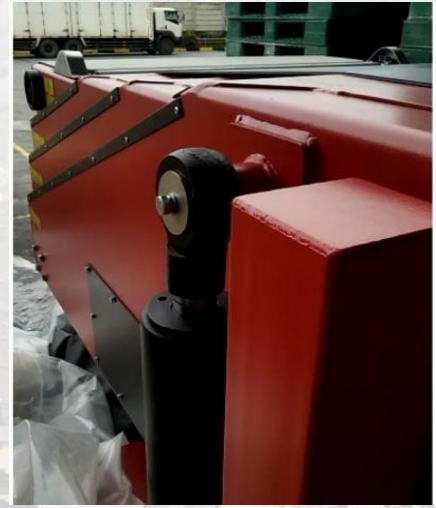
## Conveyor Interroll MCP Type



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## TELESCOPIC CONVEYOR



## Roller Gravity Spiral Conveyor



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## FAT AT OUR WORKSHOP



- ✓ FAT need to be done before the delivery/shipping according to customer need

## SAFETY INDUCTION



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## OUR HEAD OFFICE & WAREHOUSE



### Head Office

Ruko Sentra Komersial Blok  
RSK 7 No.3, Grand Galaxy  
City Bekasi, Indonesia 17147  
Phone +62 21 82760661



### Workshop and Warehouse

Cikarang Industrial Estate, Jl. Jababeka  
IIG Blok C No. 16 AJ Cikarang – Bekasi  
Phone +62 21 82760661

## OUR CUSTOMERS

- PT. Midi Utama Indonesia, Tbk
- PT. Sumber Alfaria Trijaya, Tbk
- Packline Storage And Automation, Singapore
- PT. Brilliant Ecommerce Berjaya
- PT. Coca Cola Indonesia
- PT. Unilever Indonesia, Tbk
- PT. Uni-Charm Indonesia, Tbk
- PT. Surya Inti Tembakau
- PT. Bright Food International
- PT. Satoria Aneka Industri
- PT. Mayora Indah, Tbk
- PT. Frisian Flag Indonesia

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