

Intralox Pallet Layer Descrambler

The Intralox Pallet Layer Descrambler automatically descrambles, singulates, and orients products from pallet layers into a single file. It handles the largest product range at the highest throughput rate, with virtually no controls.

Where it applies

This solution has been successfully installed in industries ranging from beverage/beer/wine/grocery distributors to food manufacturers and big box retailers. Typically, this technology is ideal in the following situations:

- For high throughput rates of over 3 layers per minute
- Where wide product ranges are handled
- Where there is a high number of cartons per layer
- Where product orientation must be uniform

Benefits

Speed—Descrambles up to 6 pallet layers per minute on one system

Versatility—Handles almost all products:

- From 4 in. x 4 in. (100 x 100 mm) to no maximum size
- Products up to twice as tall as they are wide
- Corrugated, shrink-wrapped (PET bottles), litho-packs, plastic totes, beverage shells, etc.

Flexibility—Adapts easily to changing requirements:

- Handles everything from column-stacked to complex, interlocked pallet layers
- Accommodates 80+ cartons per pallet layer

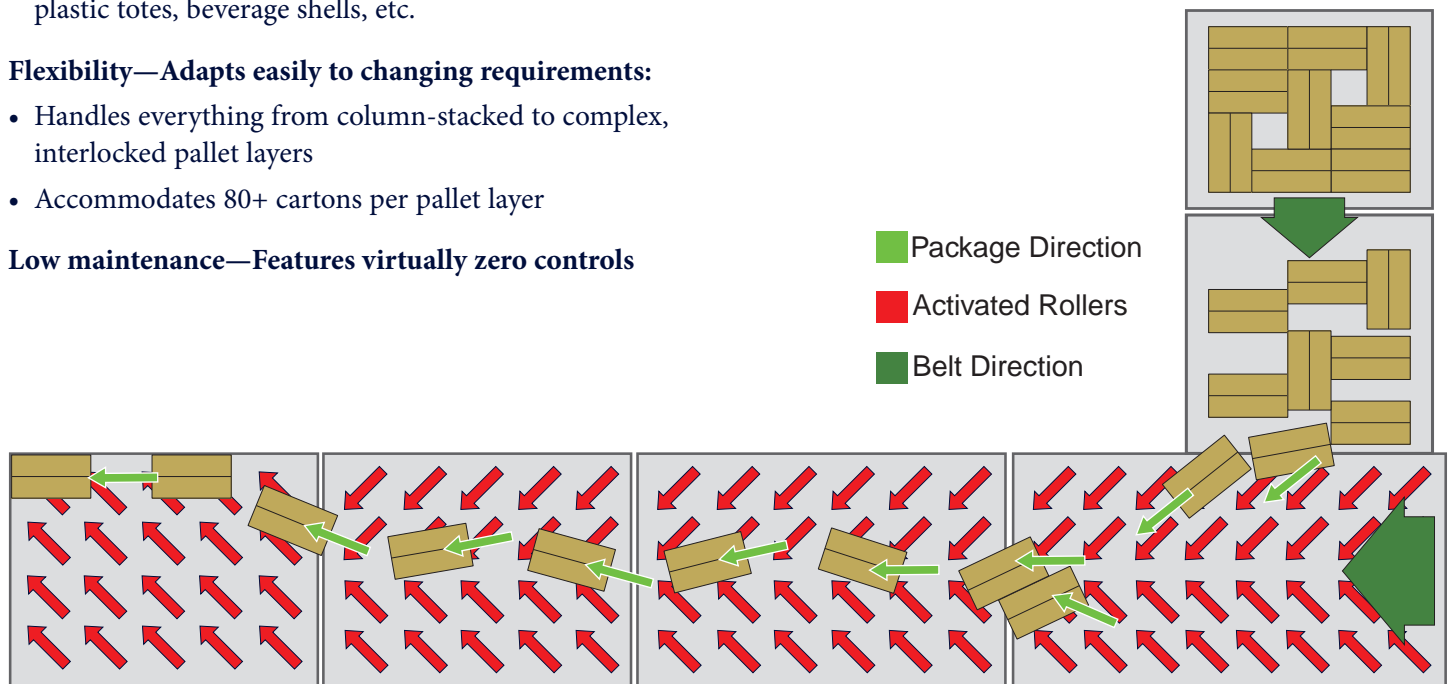
Low maintenance—Features virtually zero controls



 [Click photo to see video](#)

The products shown in this video are used only to demonstrate the capabilities of Intralox equipment. The manufacturers of those products do not necessarily endorse Intralox.

The Intralox Pallet Layer Descrambler from the award winning line of Activated Roller Belt™ technology is a simple, safe, and cost-effective solution for conveying boxes, packages, or cases in a wide variety of shapes and sizes.



System Components

The base system consists of 5 conveyors, which together effectively descramble complex layer patterns, place products into a single-file stream (singulation), and position the stream effectively to one side of the belt (aligning). The final layout of this system is flexible, based upon layout constraints.

If uniform product orientation is required, the Orientation Conveyor option can be added to the back end of the Pallet Layer Descrambler.

STANDARD OPERATIONAL SPECIFICATIONS	
Product bottom surface	Product should, in principle, have a flat, smooth bottom surface; other products are subject to testing.
Product size	Minimum: 4 in. x 4 in. (100 mm x 100 mm) Maximum: No restrictions (designed according to customer specifications)
Throughput	Up to 6 layers per minute (360 layers per hour)

EQUIPMENT INFORMATION		STANDARD COMPONENTS	
Layout	Standard: L-shape Optional: U-shape, S-shape, or inline	Conveyor belt	Intralox modular plastic belting and Activated Roller Belt™ technology
Base Layer Descrambler footprint	Approx. 32 linear feet (10 meters), consisting of 5 conveyors	Motor	SEW (or equivalent)
		Adjustable supports	+/- 1.97 in. (50 mm)
Construction	Frame - painted carbon steel or stainless steel	OPTIONAL COMPONENTS	
Frame Color	As specified by customer	Orientation Conveyor	17 linear feet (5 meters), consisting of 2 conveyors
Environment	Dry and clean environment	Frequency inverter	SEW Movimot
Temperature Range	0°C–50°C (32°F–122°F)	MAINTENANCE	
Intralox equipment sold in Europe is built according to European directions 2006/42/EC for machinery.		Easy maintenance with Intralox modular plastic belt technology	
		All conveyors run continuously, without frequent starts and stops (virtually no controls)	

If you require a solution that is not covered by the options listed in this table, please contact us to discuss a customized solution.

If the Intralox Pallet Layer Descrambler can potentially be applied in one of your layouts, please call us or visit www.intralox.com.

Our customer service teams are trained in your industry and speak your native language.

Additional country- and industry-specific free phone numbers available at intralox.com

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