



**SMARTMOVE®**  
MODULAR CONVEYORS

1-800-581-2876 • [www.4smartmove.com](http://www.4smartmove.com)

# NEED A MODULAR CONVEYOR?



If you own the type of business where a conveyor system is necessary, you have just discovered a valuable catalog. Conveyor systems can drastically improve production levels within a factory, warehouse, or assembly line, as well as offer a much quicker transport alternative within the company or workshop. Unfortunately, a conveyor can be quite an expensive piece of equipment, and you may feel that with your particular budget it would simply be better to do without. Of course, there is also the issue of hiring technicians to complete the installation and so forth, which can be quite costly.

Stumbling on this catalog means that you have found the ultimate solution to purchasing a conveyor system. SmartMove® is a company that manufactures plug-in modular conveyors that can be installed quickly and efficiently without the assistance of technicians. These simple plastic modular conveyors are a great addition to virtually any business that may require such equipment.

## SMARTMOVE®

This company's goal is as follows:

*"... to provide safe, simple and universally modular conveyors..."*

A SmartMove conveyor system is always:

- Easy to install
- Simple to operate
- Will last a long time without requiring maintenance

Such conveyor systems can drastically improve your productivity, and because they require very little maintenance will be cost effective as well. A SmartMove® conveyor system will increase your production rate, save you energy and provide safe, reliable, long-life performance guaranteed.

## TESTIMONIALS:

SmartMove® has many clients who will attest to the fact that a modular conveyor from this company is definitely a worthwhile investment:

*"Thanks for the conveyor. We have it up and running and it works great. I am pleased with your product."*

— Corey M. Buczek, Manufacturing Engineer, TI Automotive Systems

*"Our SmartMove conveyors have proved to be a cost-effective, reliable means of moving parts. They have held up to our machining environment very well. The conveyors are easy to move, flexible for our applications, very durable."*

— Greg Armstrong, Engineering Manager, Lavigne Manufacturing

Simply browsing this catalog will most certainly spark your interest in a SmartMove modular conveyor. Take a moment or two to have a look and you are bound to find something worth reading over.

Should you have any queries regarding SmartMove conveyor systems, simply call 1-800-581-2876 and a representative will assist you with whatever you need.



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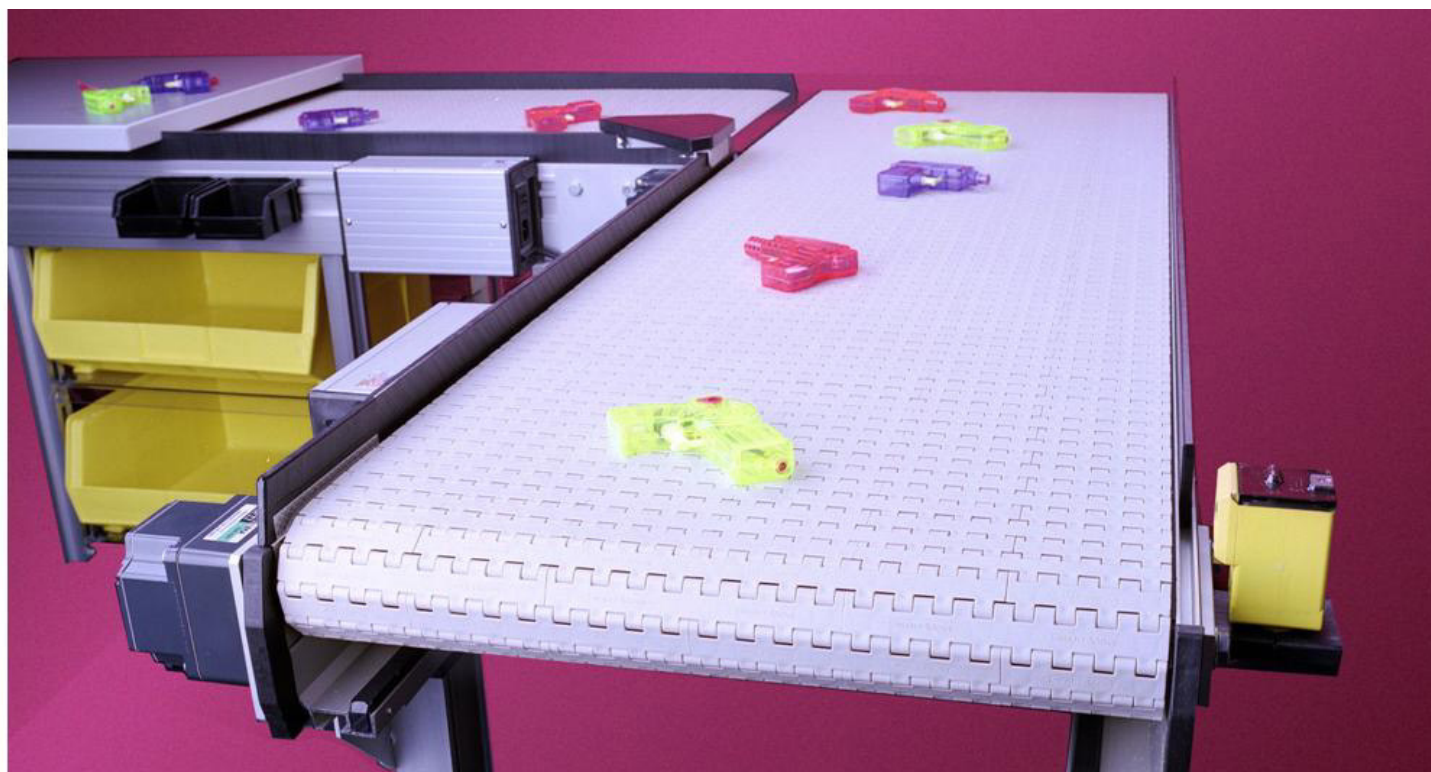
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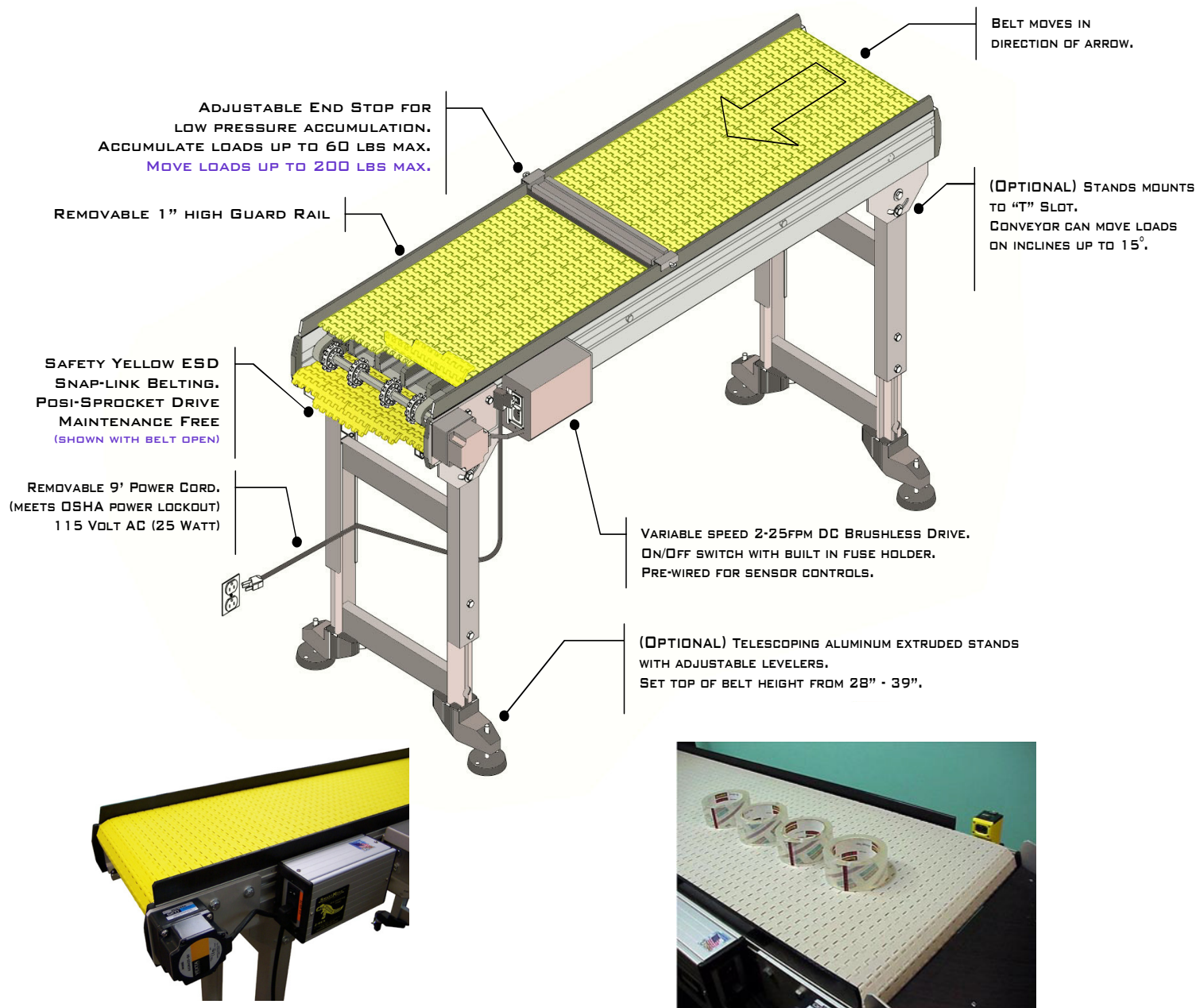
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**Specialty conveyors are available for washdown, food packaging and parts carrying. Stainless hardware and carousel conveyors can be available in four weeks. Conveyor widths from 6 to 48 inches wide.**



# SMARTMOVE® MODULAR CONVEYORS



## Save on installation:

All SmartMove conveyors are shipped fully assembled and will be ready for operation upon delivery. There are no hidden costs for mechanical or electrical installation. And our removable power cord meets OSHA requirements for power lock-out.

## Provide a safe work environment:

No other conveyor can offer you the inherent safety provided with safer small torque motors. All of our drives have overload protection that shuts off the motor if stalled for more than 10 seconds. Plus, our belting provides a second safety defense by snapping open when jammed from underneath. Safe conveyors can improve your productivity by allowing workers to operate closer to the conveyor.

## Modular and efficient:

Modularly constructed to meet current and future needs at your facility. Save on operational electrical costs with our energy efficient variable speed brushless drives that use 80% less power than other conveyors.

**Portable**

**Quiet**

**Clean**

**Modular**

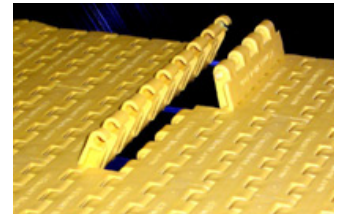
SmartMove Conveyors designs and manufactures their own safety snap-link modular chain belting and universally modular conveyor frames. Our conveyors are engineered for energy efficiency and zero maintenance. We use a patented non-tension drive system that operates at 1/10 the horse power of other tension drives. These improvements deliver a safer and cleaner operating conveyor than conventional high tensioned, high powered coated cloth belt conveyors.

### Benefits of Using SmartMove Conveyors:

- Cut resistant polypropylene belting can handle material that may otherwise damage conventional belting.
- SmartMove® snap-link belting will last over 5 times longer than other types of belting made of cloth or plastic. Save money by replacing only the damaged sections instead of replacing an entire belt. Quickly repair belt without tools.
- Superior low friction allows belt to slide under items to create low pressure accumulation.
- Protect operators from injury with unique snap-link belting that acts like a fuse to separate during overload or jams.
- Save on electricity with high efficiency drive that uses only 25 Watts (1/30Hp) to carry 200 lbs.
- 2 Year Warranty
- Plug & Play - Easy Installation



*High efficiency drive uses only 25 watts to carry 200 lbs.*



*Snap-link belt acts like a fuse, separating during overloads.*



*Modular system requires no special wiring.*

## SPECIFICATIONS

**Conveyor Length:** 2-60 feet (Pay only for the length you purchase. Why pay for extra conveyor you don't need?)

**Belt Sizes:** 6", 9", 12", 15" 18" 21" 24" 27" 30" (Conveyor is 1" wider than belt width)

**Loads:** 6" belt rated to carry up to 150 lbs on single section. All other belts rated for 200 lbs on single section.

**Stands:** 2 stands are required to support the conveyor. Stands can be used at the ends of the conveyor to join two conveyors together end-to-end or end-to-side. All dimensions for stand height are based on measurements from the floor to the top of the belt. Abbreviated, TOB.

**Guard Rails:** Removable 1" high guard rails are included on all models. Optional "flush" guard rails can be substituted when ordering. (See Accessories, Adjustable Guide Rails if you want to deflect product being carried on the belt.)

**Minimum Part Transfer:** End-to-end transfer with back pressure = 0.5" long. End-to-end without back pressure = 3" long.

**Maximum Incline:** 10° (Our belts are designed with a low friction surface that enables it to easily slide under packages. Please consider another type conveyor if you are depending on the belt friction to carry items up inclines greater than 10°.)

**Operating Temperature:** 0°—185° F (Please consult factory for exceptions and specialty belting for higher intermittent temperature ratings.)

**Warranty:** 2 Years. (Please see our Terms and Conditions of Sale)

**Safe**

**Energy-Efficient**

**Maintenance-Free**



# 90° TURNS CONVEYORS



## Sliding Transfer

You can move smooth bottomed products around corners by placing conveyors end-to-side. Our unique tilting transfer plate hold the leading edge of the products above the receiving belt to allow items as short as 4" to turn without back pressure. Shorter items may require a "push" from items behind to complete the turn.

## Waterfall Transfer

Another method of transferring is by letting products drop or "waterfall" off the end of the conveyor. Products should be able to handle drop and other incidental contact without damage. Some items may be waterfall transferred with the aide of a chute that lets the product slide off the end onto another conveyor. Some tumbling of product may be experienced in either method



## Benefits of making 90° turns with SmartMove modular universal sections:

- Create a turn any place you put the end of one conveyor at the side of the other. Simply remove a section of the guard rail on the conveyor that you are going to be merging onto. For improved turning performance, replace the removed guard rail with our "tilting" end-to-side transfer plates.
- Most products with a flat bottom will easily transfer at the corner. For non-flat items, we recommend setting the drop end conveyor higher and letting the products "waterfall" onto the other conveyor.
- This simple method of turning at a corner is about half the initial price of a power turn and will not require the maintenance that is normally associated with power turns.

# WALK-THRU GATE CONVEYORS



Conveyor layout design has never been easier with SmartMove's Walk-Thru Gate systems. Including a conveyor crossing in your layout will allow you to make continuous loops, gain access to otherwise blocked pathways and provide the opportunity to go where you need to go with the conveyors.



## Benefits of using Walk-thru Gates with SmartMove® modular universal sections:

- Quickly gain access to equipment that is blocked by conventional conveyors.
- Make factory floors "handicap accessible" by eliminating "walk-over" systems.
- Minimum force to open & close
- Create full circulating work cells that have allow operators to work inside the loop.
- Use the "Gate up" or "Gate Down" to change the path product takes. With "gate up", items fall off the end of the conveyor totes or another level conveyor. Gate-down allow parts to travel over the gate. (Gate acts like a "draw-bridge")

# MULTI-LEVEL CONVEYORS



## Simple Installation

SmartMove's lightweight and internally supported lower belt path make multi-level systems simple and safe to operate. Simple assemble the lower line, add upright supports with built-in staging and then install the upper level. Joiner bars are used on upper levels to join sections to create continuous lines up to 60' long. Our unique non-dusting snap-link belting does not require tracking or tensioning.

## Deliver and take-away systems

Our most popular application for multi-levels in the distribution mail-order industry where one level is used to deliver boxes while the other provides a take-away system. SmartMove's built-in guide rails and low friction belting are ideal for sliding under boxes as they are held accumulated on the lower level.



## Benefits of using Multi-level systems with SmartMove modular universal sections:

- Save valuable factory floor space.
- Create delivery and return systems with easy access that will increase productivity.
- Simple built-in "staging" construction makes system easy and safe to assemble.
- Enclosed lower track belt system of SmartMove® Conveyors provides safe work zones.
- Universal design is compatible with all other SmartMove® Conveyors.



# MULTI-LANE CONVEYORS



- Sub-mounted lane dividers
- Choose lane sizes from 6" to 24"
- Multi-directions available
- Systems up to 60' long

Shipped fully assembled with modular construction for easy installations without technicians.



SmartMove's unique sub-mounted lane dividers and single frame assembly saves space and makes installation easy. With the ability to move product in either direction and create seamless transfers, these systems are capable of solving many material handling designs that require product accumulation, sorting and segregation. Our low friction belting allows products to be stopped, (by an adjustable position end-stop) while allowing the belt to be continuously operated.

## Benefits of using Multi-Lane systems with SmartMove modular universal sections:

- Single frame design simplifies installation and eliminates alignment adjustments.
- With no framework between moving belts, parts transfer seamlessly.
- Modular construction allows multiple sections with multi-lanes.
- Patented drive allows motors to be installed anywhere along the frame to provide independent controlled belt zones.
- Design is compatible with all SmartMove® Conveyors, so you have Gates, 90° Turns or even Multi-level systems.

# INCLINE CONVEYORS



Enclosed edge belt conveyor with unique full-ribbed “RY” “Safety Yellow” belting designed for carrying small product up inclines as steep as 60 degrees. Ideal for clearing automated machinery, such as punch presses and molding machines, by the “water-fall” transfer method. “RY” belting creates a continuous flow of product for smooth transfer. Ribs are 3/8” high on 3/4” centers. Combine flat belt with ribs to space out flight’s. In-feed and out-feed sections can be any length over 24”. Drop chutes and incline hoods are available to contain product on the belt. Clear heights of up to 120” available.

## Benefits of using Incline systems with SmartMove modular universal sections:

- Change line heights.
- Create walk-under systems for easier movement in factory.
- Portable, modular system allows for easy, frequent rearrangement.

# CONVEYOR WORKSTATIONS



## Working In-Line with Conveyor Countertops

If your products are being transferred from conveyors to tables for in-line processing, you may be able to improve your productivity by eliminating the transfer time with in-line countertops. Our sturdy workstation quality countertops are supported by the conveyor guard rails and easily adjust to different locations along the conveyor line. Products can accumulate at each countertop to provide easy and quick access for processing. In-line workstations have built-in buffering by holding material between stations with low-pressure accumulation until they are ready to be processed.

No installation is required, as the countertops simply “sit” on the conveyor and adjust to position by sliding along the conveyor guard rails. They are available in widths of 18” and 24” and overhang 3” on each side of the conveyor.

## Side Support Shelves

Attaching shelves to the sides of the conveyor is a great way to provide space to store or process material moving on the line. With or without countertops, these easy to install shelves mount to the “T” slots of the SmartMove conveyor sideframes flush to the top of the belt height.

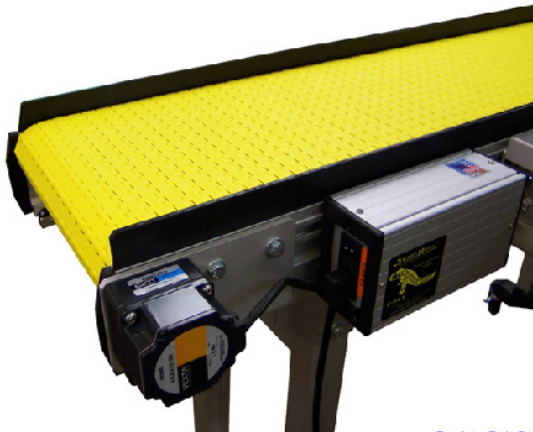
Shelves are available in 18” or 24” wide and come in widths of 8” and 12”. Shelves can be mounted flush to each other for increased continuous shelf requirements.

## Benefits of using SmartMove modular conveyor workstations:

- Reduce process time: Operators require less time to perform tasks when the distance to move material is reduced.
- Create material buffer: Low-pressure accumulation is created by the belt sliding underneath stopped items.
- Less production floor space: Use 1/4 the floor space by eliminating tables and benches next to conveyor lines.



# BELT STYLES



## HY-Yellow

### Ribbed

Static-Dissipative

- Safety yellow that eliminates static sparks
- Flat belt ideal for inspection and high visibility of moving parts

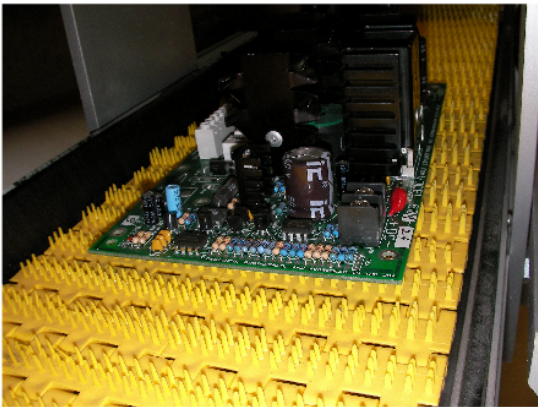


## RY-Yellow

### Ribbed

Static-Dissipative

- 3/8" high on 3/4" centers
- Ideal for drying, cooling, or minimal belt contact
- Not recommended for inclines or transfers



## BY-Yellow

### Brush

Static-Dissipative

- Designed to low-pressure accumulate circuit boards without sensors
- Belt can slide under populated boards



## CY-Yellow

### Combination Ribbed/Flat

Static-Dissipative

- Custom solution

# CONVEYOR STANDS



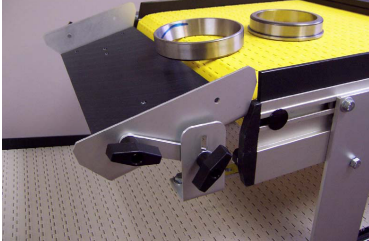
## Adjustable Height Stands

SmartMove® adjustable stands are designed to provide convenient installation and quick adjustments. Our design integrates the benefits of rigid structural aluminum extrusions and impact resistant injection molded covers and stand extensions. Stands are used to support and join together SmartMove's modular conveyor sections.

Stands are also available with swivel locking casters for ease of moving the conveyor. When casters are specified, the stands will be supplied with an additional support bar to prevent the stand from folding under the frame.

# CONVEYOR ACCESSORIES

These are our most popular accessories. Accessories can be combined/ customized to adapt to almost any materials handling situation. If you are looking for a custom solution, we may be able to help. Contact us at 1-800-581-2876 with your unique requirements.



## Adjustable End Chute

Our universal Adjustable End Chute mounts to the lower “T” slots of SmartMove’s AX Series Conveyors. This simple low friction UHMW chute can be adjusted to multiple angles and heights to help transfer products from the end of the conveyor into hoppers, bins or tables.



## End-to-End Transfer Plate

These drop-in gravity held plates improve product transfer as well as protect operators from pinch points. Constructed of Anti-static UHMW and designed to pop-out in the event a jam. No tools are required for installation.



## End-to-Side Transfer Plate and Corner Turn Plate

Transferring products around 90° turns is accomplished by placing the end of one conveyor flush to the side of another conveyor. By removing the guard rail at the juncture of the two conveyors and replacing it with an End-to-Side Transfer Plate, it will then be possible to push and pull the products around a corner with a sliding motion.



## End-of-Line Transfer Plate

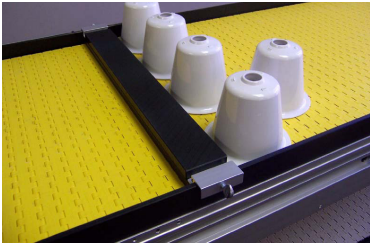
The End-of-Line Transfer Plate is supported by a plate mounted to nose of the conveyor. It can be used at the beginning or end of the line to help products make the transition between other conveyors, countertops or machinery.



## Adjustable Guide Rails

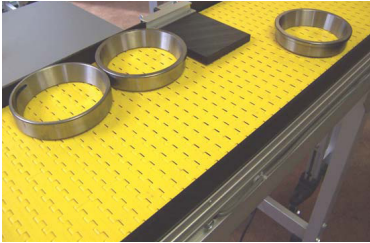
Some conveyor applications may require the product to be “steered” or “guided” as it moves along the belt. Our adjustable guide rail system consists of vertical mounting blocks that attach anywhere along the length of conveyor sideframe with “T” nuts.





### Adjustable End Stop

Whether you need to accumulate packages at the end of the line or at points along the line, our simple Adjustable End Stops will do the job. Unlike sensors that start or stop the belt when detecting products, Adjustable End Stops “Stop” the products while the belt continues to run underneath. SmartMove®’s low friction belting is designed to easily slide under most flat bottomed products.



### Half Stop

Single Sided Stops allow you to create lanes or bypass zones. These are ideal for transferring station-to-station with the option of skipping or bypassing stations simply by selective belt placement. Available for brush and flat belt.



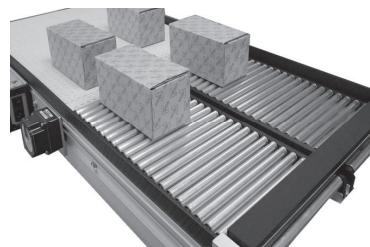
### Remote Mount Emergency Stop

The emergency stop box assembly provides a quick and easy way to shut off the power to any SmartMove Conveyor plugged into the E-stop box’s switched outlets. Simply mount the E-stop box on any side of the conveyor within 9’ of the motor controller. Plug the E-stop box into a standard 115V outlet with the 9 foot cable provided. Plug the conveyor into one of the two switched outlets on the E-stop box.



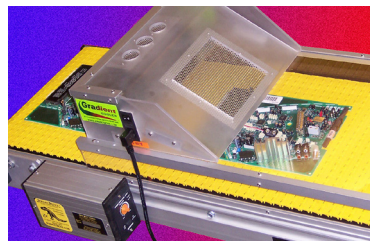
### Remote Mount Start/Stop Switch Box

SmartMove Conveyors are pre-wired to accept this remote mountable start or stop control switch box. When connected to the motor controller box, operators can start or stop the conveyor belt from the location of the switch box. Available in Momentary or Maintained Contact.



### Rollers

Safely load or unload the conveyor without stopping the line. The infeed section of the conveyor begins with a 2 foot section of mini-rollers that are integrated into the conveyor and flush to the belt height.



### Blower

The Gradient Cooler mounts on the hood assembly above the conveyor belt to create a cooling tunnel. Hot parts are moved down the tunnel toward the Gradient Cooler which supplies a constant flow of air through the tunnel. As parts move down the tunnel, they transfer heat to the air flowing past them.



Available from: