



Back Lit Conveyors



Quality

Vision

Illuminated



Introduction to mk

mk North America, Inc. is a member of the mk Technology Group and a leading worldwide manufacturer of aluminum conveyors, pallet-handling systems, stainless steel conveyors, and extruded aluminum framing.

Unsurpassed variety, maximum flexibility and easy integration are reasons mk has become the supplier of choice for machine builders, system integrators and manufacturing companies around the globe.

Since 1988 mk North America has been providing diverse industrial know-how, superb quality, constant innovation and application engineering excellence. mk North America offers you the perfect solution for any application.



better products. better solutions.

At mk North America we believe in offering not only better products, but also better solutions. We offer the most extensive product line in the industry; featuring more than 20 different types of conveyors, and 10 different linear motion modules. This allows us to partner with you to provide just the right solution for your needs.

Our broad offering and years of experience in material handling allows us to provide the best equipment for your individual needs. Our innovative conveying and linear motion solutions, both standard and custom, have proven themselves in the automotive, manufacturing, machine builder, metal working, packaging, and printing industries to name a few.

When ordering our conveyors and/or linear motion modules you will experience firsthand the benefits of our innovative designs, competitive pricing and exceptional customer service.

At mk we are dedicated to providing you better products and better solutions.

The mk Advantage

- ✓ Robust construction and high quality components decrease downtime and increase productivity
- ✓ Modular design reduces engineering costs and lead-times
- ✓ Technical application assistance
- ✓ Competitive pricing
- ✓ Innovative designs
- ✓ Custom solutions

The mk North America Difference



Support

mk North America believes in supporting our customers from the initial inquiry through the delivery of their system and beyond. We have a dedicated sales and engineering staff to manage your project. All orders include detailed 3D and 2D models for your review and approval of the entire system. mk assembles and tests all material-handling systems prior to shipping. mk also offers FAT, start up assistance and installation as well as all replacement and spare parts.

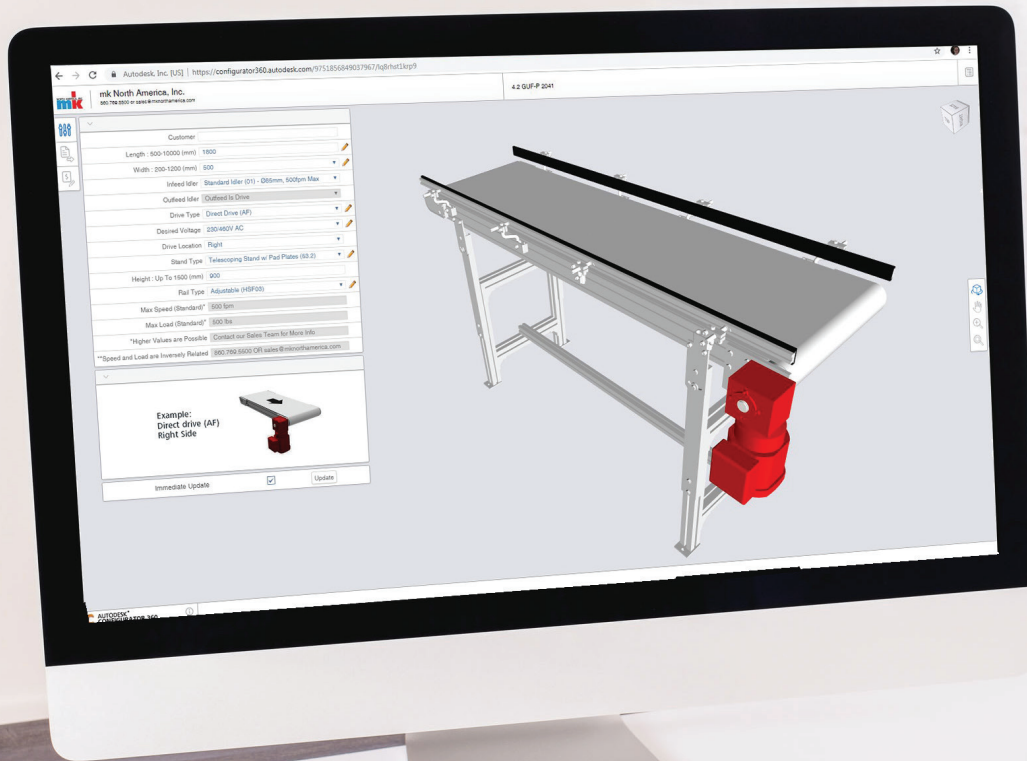
Customizations

mk North America believes in offering not only a better product, but also a better solution. We understand how the performance of your production line affects your business. Regardless of what makes your material handling application unique – temperature, environmental concerns, handling requirements, or space constraints – mk can provide a custom solution that meets your needs and keeps your business moving.

Advantages

- ✓ Easy installation: All mk products are assembled and tested prior to shipping
- ✓ Easy integration: All mk products work together and are fully compatible
- ✓ Design without compromise: mk offers more products and flexibility than anyone else
- ✓ Cost-effective: Save time and money by using standard mk products to build custom solutions
- ✓ High quality components: Reduce operating expenses and increase productivity
- ✓ Experience: Providing customers with functional and cost-effective solutions since 1988
- ✓ Engineering support: Full technical and design assistance before, during and after the sale

Online Conveyor System Modeling



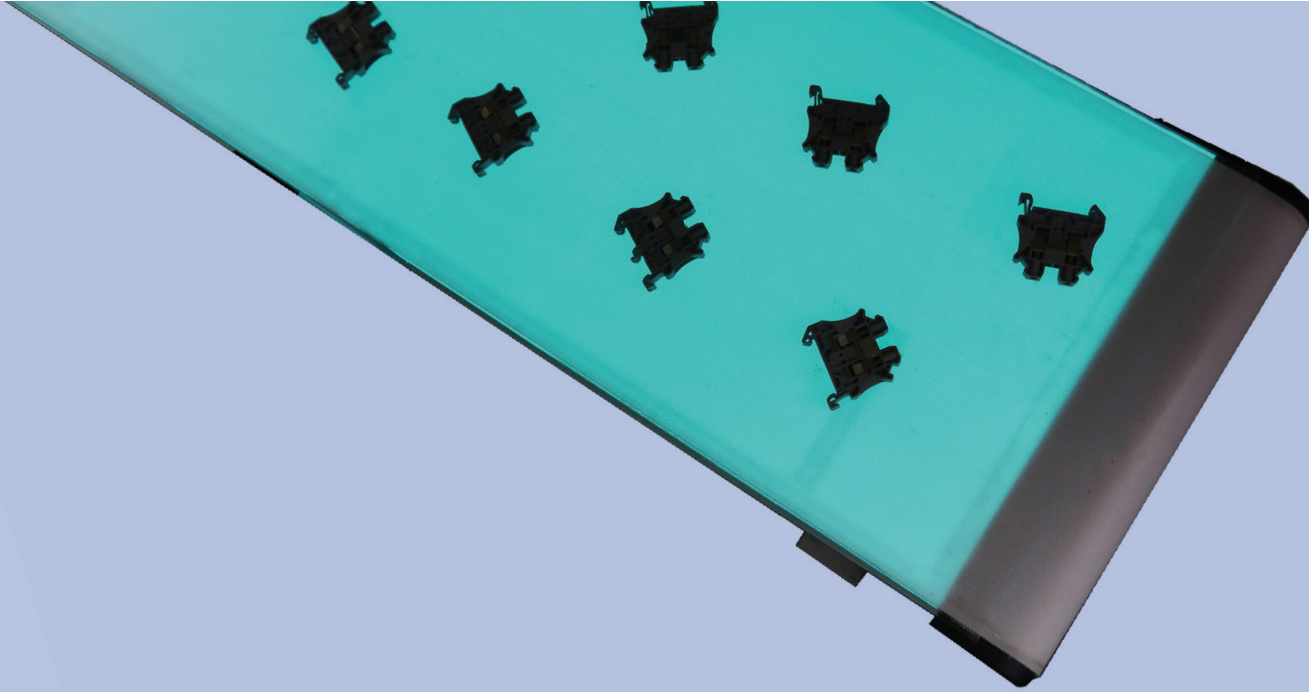
CAD360!

Quickly and Easily Configure and Download CAD Models

- ✓ A wide range of conveyor platforms are available
- ✓ Customize conveyor lengths and widths, drive locations, stand type and side rails
- ✓ Update the conveyor model instantly
- ✓ A wide variety of download options including: 3D DWF, STP, 2D DWG, JPG and PDF files
- ✓ Usable on any device connected to the Internet

www.mkcad360.com

Back Lit Belt Conveyors



Back lit, or back light, conveyors are designed to aide in visual inspection and quality control. Using the latest technologies in belt material and fabrication; in combination with state-of-the-art light-panels and conveyor design; back lit conveyors provide an enhanced contrast between the product and the conveyor. This feature compliments vision systems and camera or digital recordings - aiding both robotic and human-operated processes.

A light fixture is installed within the conveyor frame; which emits light up through a translucent conveyor belt. This technology can be employed using mk North America's aluminum frame or stainless steel frame belt conveyors.

Back Light Specifications

- A wide selection of light panel options including LED light panels and luminous film
- Multiple color options including daylight-white, red, blue and green
- Single or multiple light panels per conveyor
- Light panel size varies based on application

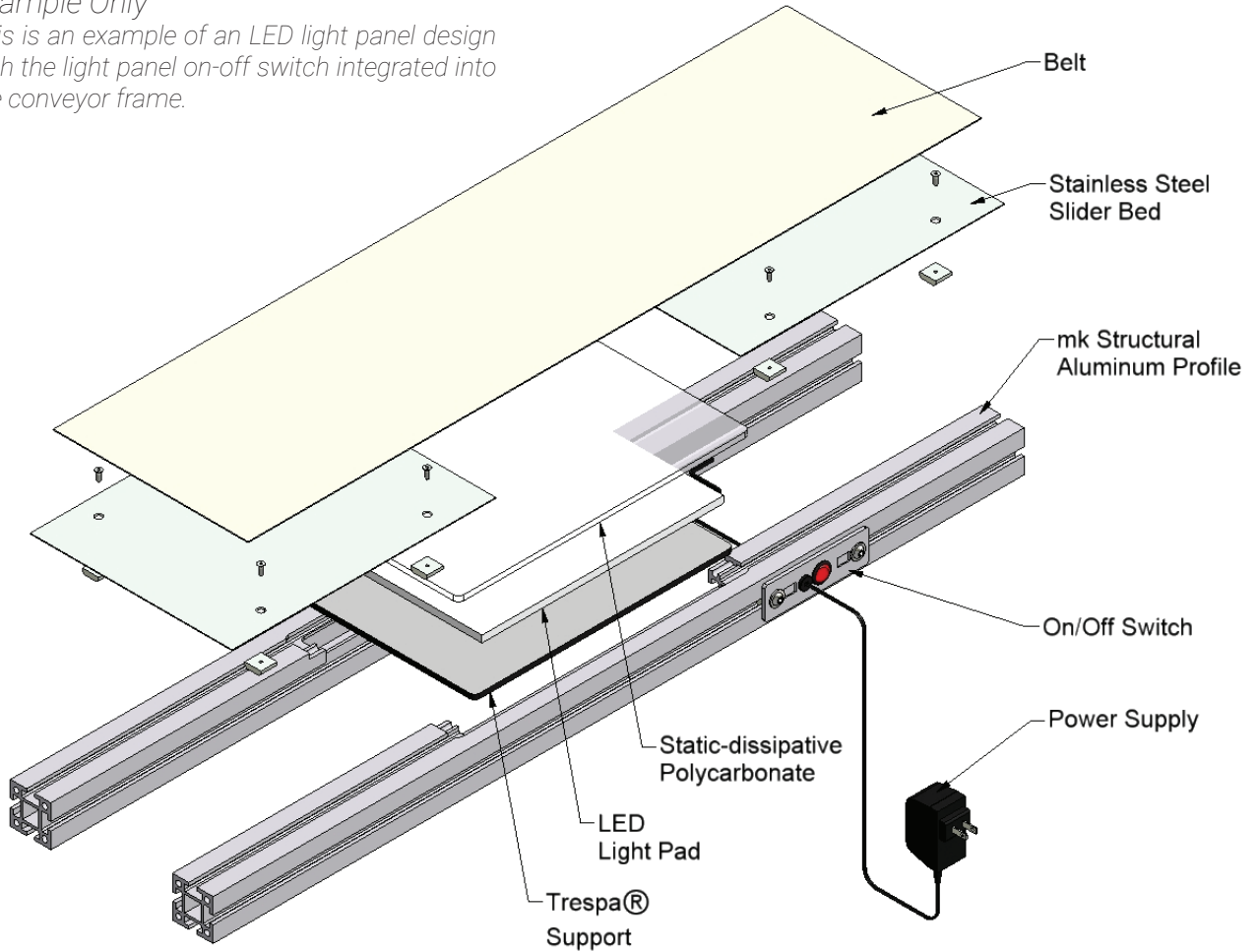
Features and Benefits

- Aluminum frame conveyor, with 10 mm t-slot or sanitary stainless steel design
- Translucent belting in a variety of different colors
- Available as end drive or mid-mount drive
- Knife edges possible
- Conveyor can operate continuous run or indexing (stopping the product over the light panel)

Design Options

Example Only

This is an example of an LED light panel design with the light panel on-off switch integrated into the conveyor frame.

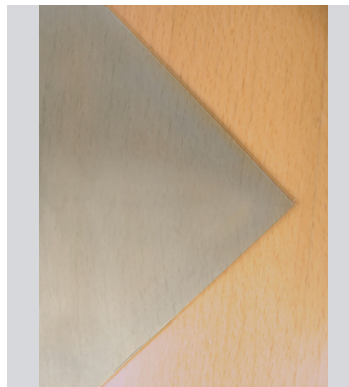


Belt Options

This represents a small selection of belt options available.



White
 Anti-static, urethane, high abrasion resistance

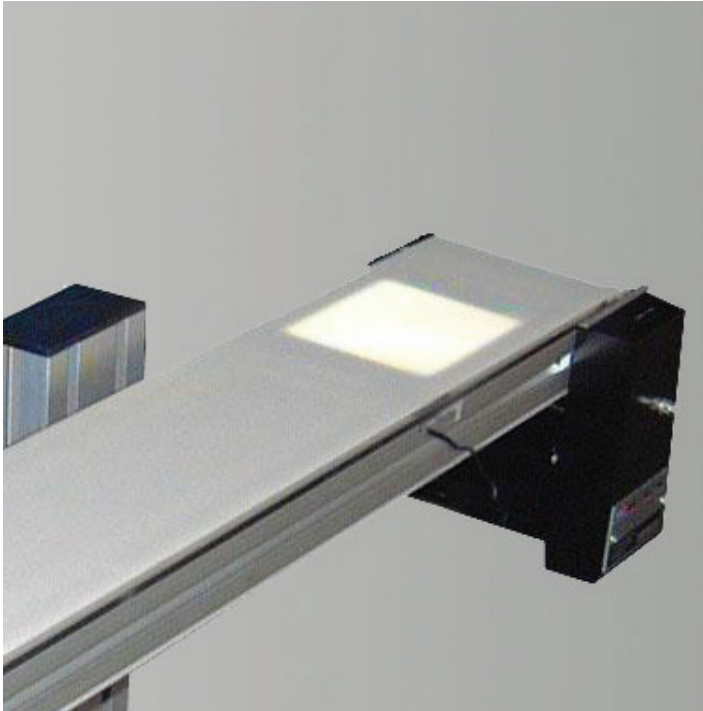


Natural
 FDA approved, urethane, highly translucent



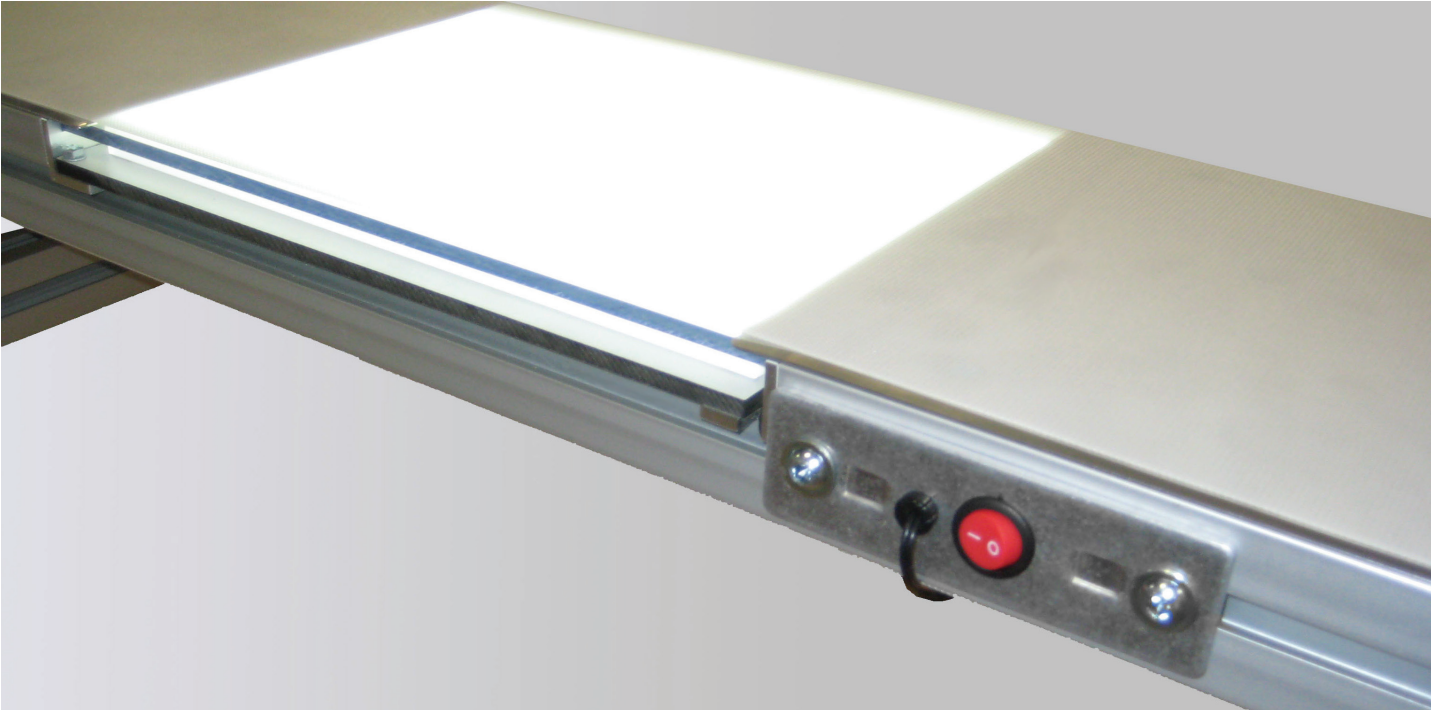
Green
 FDA approved, urethane, high abrasion resistance

Examples

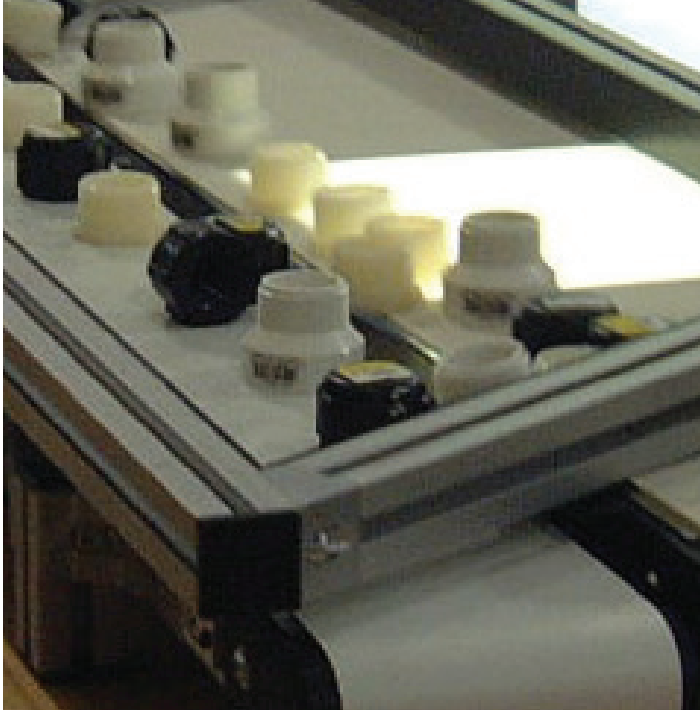


mk back light panels can be supplied in various sizes, even within the same conveyor frame.

Light panels can be installed anywhere along the length of the conveyor frame.



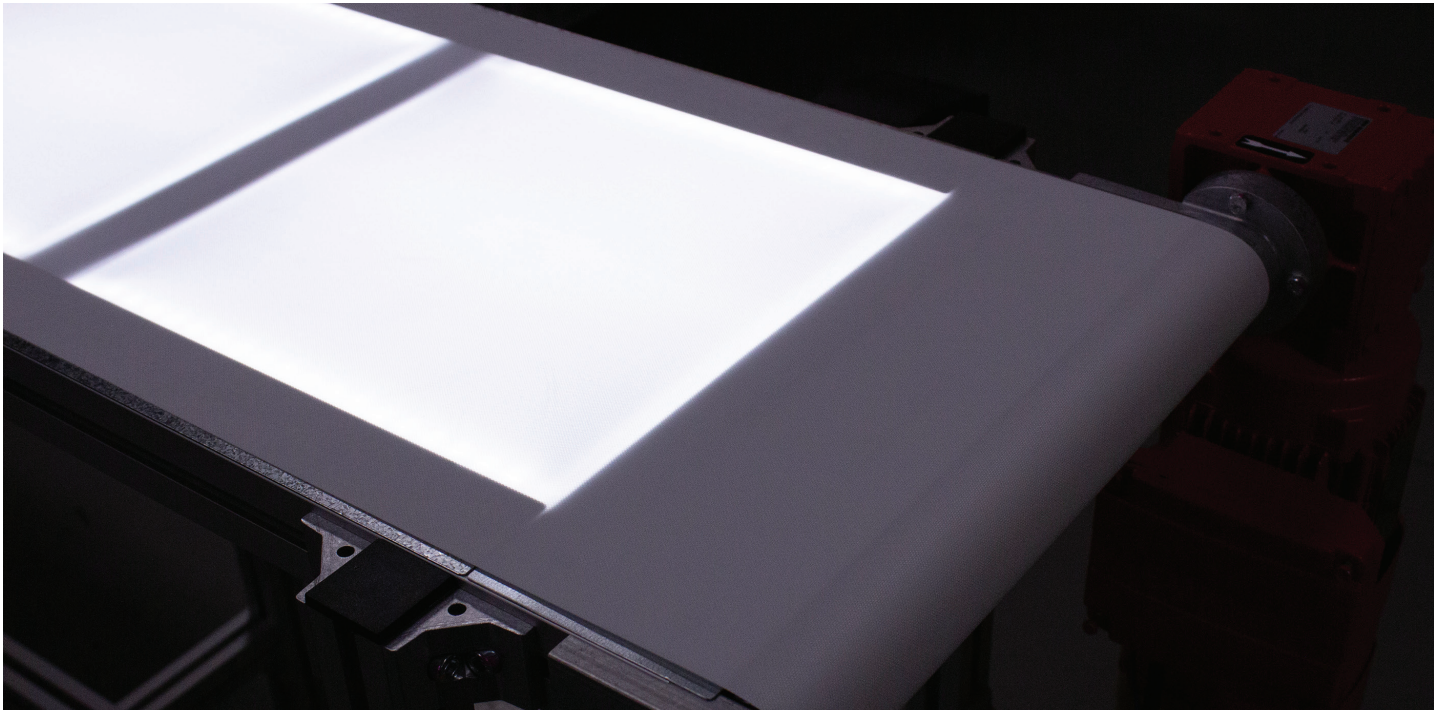
An example of a light panel with an integrated on-off switch. Light panels can also be installed for quick removal.



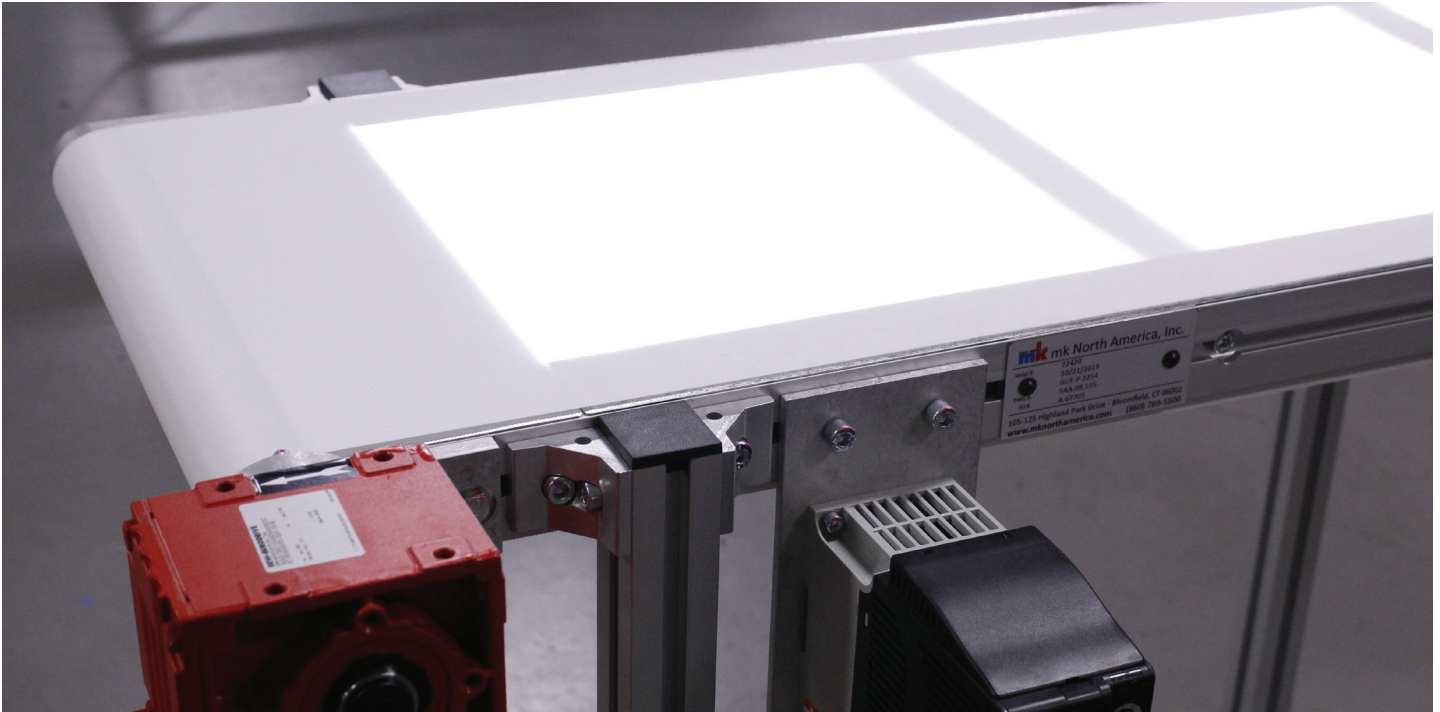
Back lit conveyors can be arranged in custom configuration, such as this recirculating conveyor.



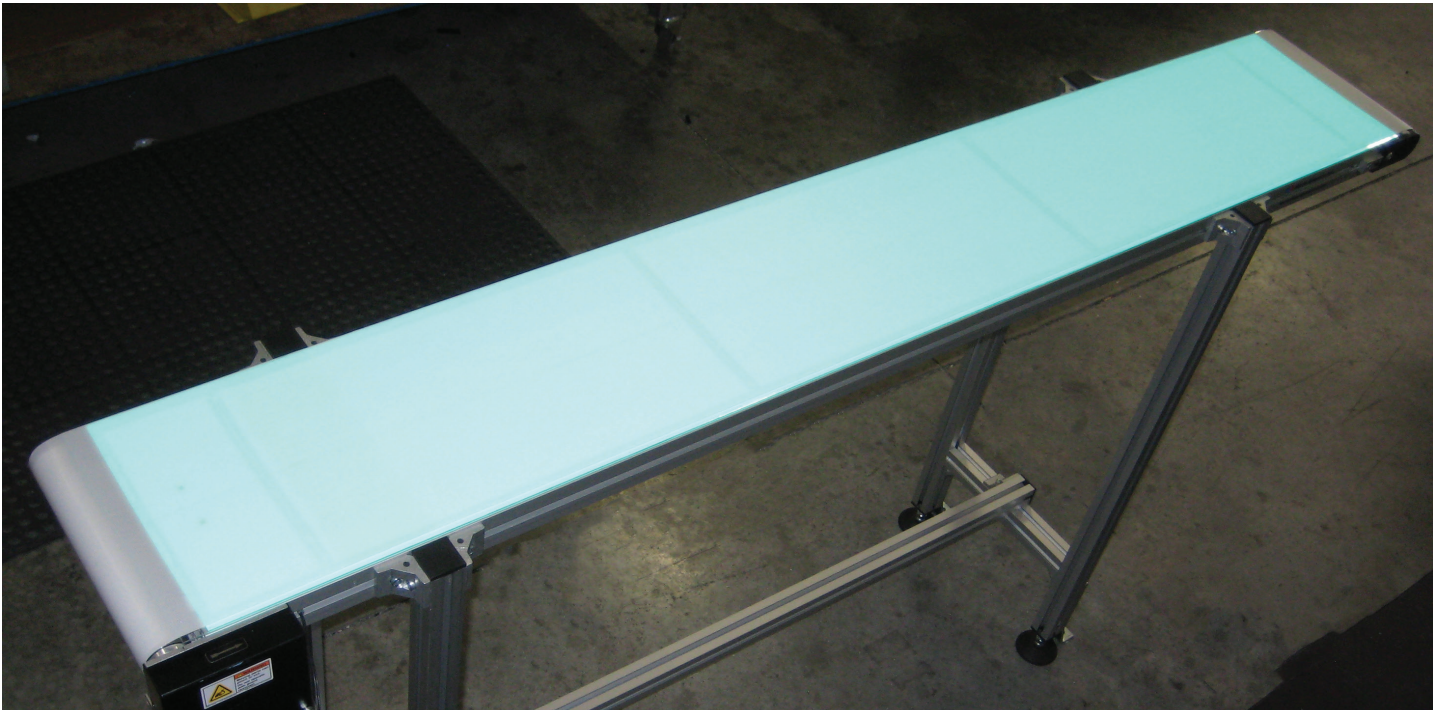
mk's CleanMove line of stainless steel food-grade conveyors can be outfitted with light panels.



Multiple light panels can be spaced as close or as far apart as required based on the application.



Light panels come in a variety of different colors, including a daylight-white.



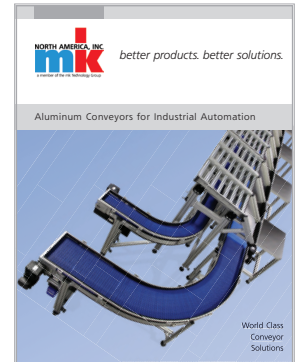
In this example, luminous film is used to light up nearly the entire length of the conveyor.

Our Other Products

Aluminum Conveyors

With over 20 different conveying systems, mk offers a product variety which is unsurpassed in the marketplace. Our broad offering, and more than 30 years of experience in material handling, leads to robust solutions that feature long life and reliable operation while maintaining all the advantages of modular design and expandability.

Our innovative conveying solutions, both standard and custom, have proven themselves in automotive, manufacturing, machine builder & integrators, metal working, packaging, pharmaceutical and printing industries.



CleanMove Stainless Steel Conveyors



CleanMove is a full line of sanitary stainless steel conveyors designed for the specific needs of the food and pharmaceutical industries. CleanMove stainless steel conveyors provide state-of-the-art cleanability, performance, reliability and are designed to meet food and pharmaceutical industry standards. With three different conveyor system platforms and so many recommended applications, CleanMove makes it easy to meet industry and specific government compliance standards.



Extruded Aluminum Framing

mk Aluminum Framing Systems feature over 200 different profile shapes and more than 2,700 connectors and system components, all engineered for a precise fit and maximum rigidity. Forget the hassles and inflexibility of steel – the welding, grinding, painting and waiting. mk offers you fast assembly, easy reconfiguration and unlimited flexibility.

With mk Aluminum Framing you can build just about anything you can imagine. Whether it be machine bases, safety enclosures, perimeter guards, tool racks, robot stands, carts, workstations, display units or something else, with mk's aluminum framing the possibilities are nearly limitless.



View all of our products and request a quote at
www.mknorthamerica.com

www.mknorthamerica.com



mk North America, Inc.
an mk Technology Group Company
105-125 Highland Park Drive
Bloomfield, CT 06002, USA
Phone: (860) 769-5500
Fax: (860) 769-5505
www.mknorthamerica.com
sales@mknorthamerica.com