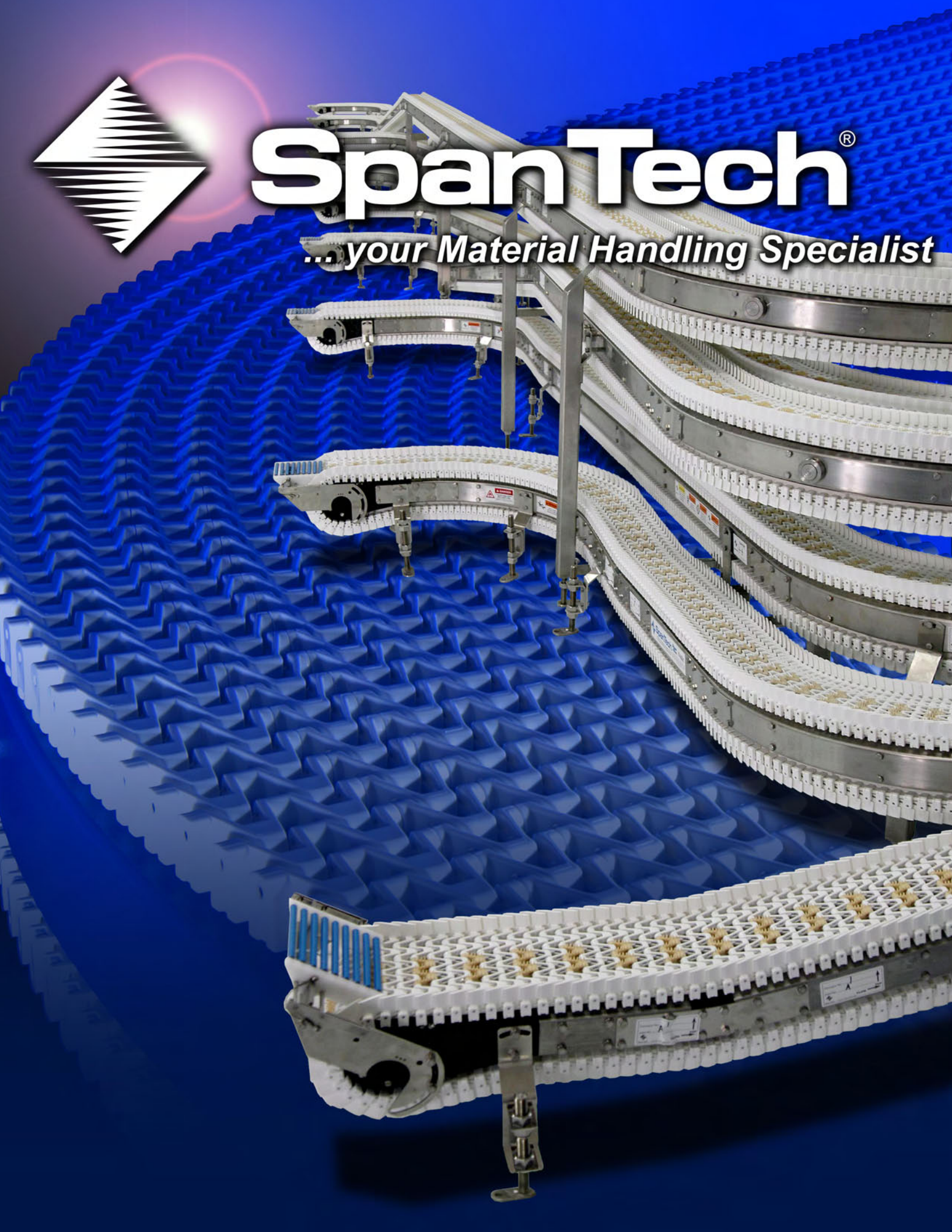
SpanTech®

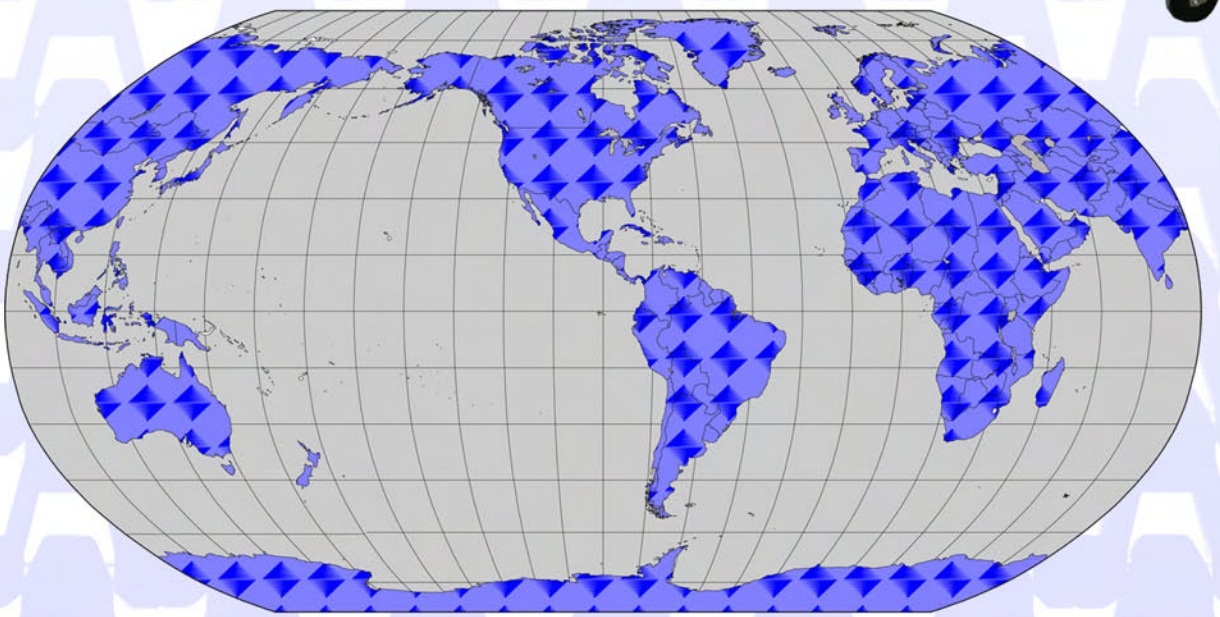
... your Material Handling Specialist



Welcome to SpanTech

Your **single source** supplier of **material handling equipment**

Span Tech in Glasgow, Kentucky, USA is a single-source supplier of advanced material handling equipment, providing customized conveyor systems for a variety of industries. Our continuous curving, plastic chain conveyor systems are extremely versatile and truly modular, capable of horizontal and vertical bends within one chain design. They can be combined and configured for near infinite possibilities. Span Tech systems represent the only sanitary plastic conveyors that are a single integrated design by one manufacturer, and our proprietary technology provides unique solutions. We also offer a complete line of transfers for handling product at the conveyor entrance and discharge. Founded in 1978, Span Tech provides conveyors and material handling systems to customers in locations around the world.



Span Tech sales and service are offered worldwide.

SpanTech

*"Our **Mission** is to Provide the Highest Quality Conveyor at the Lowest Cost of Ownership."*

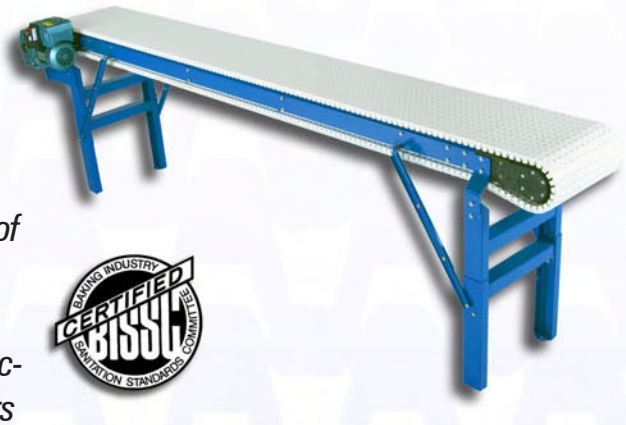
MODULAR + REBUILDABLE

With Span Tech's modular design, in most cases damaged or worn chain components can be replaced, eliminating the need to buy new chain.

Products

Span Tech Conveyors

- *Ideal for packaged items, assembly work, or applications where belt conveyors have traditionally been used.*
- *Completely captured chain eliminates take-ups or catenaries, tenting and tracking issues. Allows for high speeds, choice of gearmotor location, and multiple curves and vertical bends within one conveyor.*
- *Designed as a complete system with all parts created specifically to work together and reduce noise, Span Tech conveyors are ideal for the food production, baking, packaging, pharmaceutical, and manufacturing industries.*



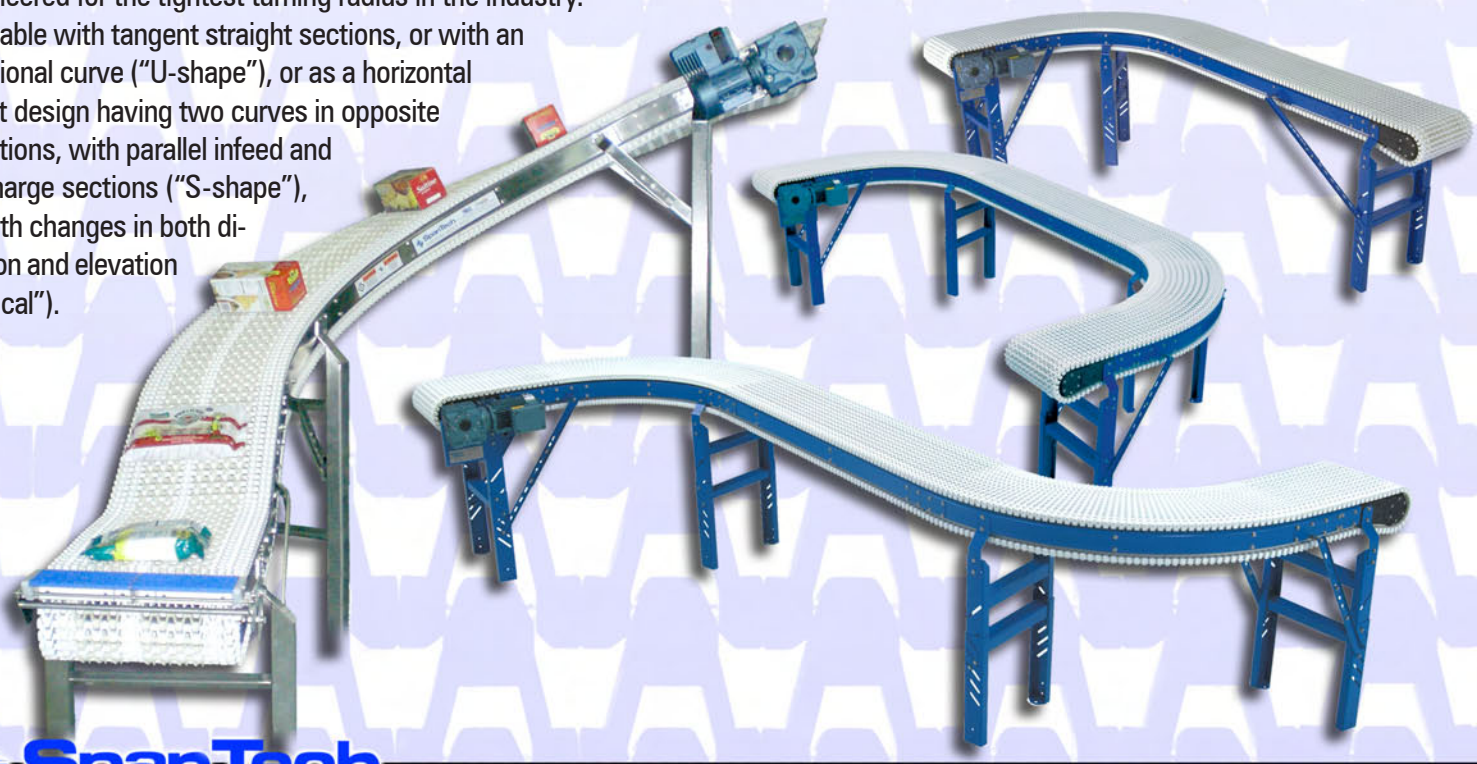
Straight Conveyors

Incline / Decline Conveyors

- Available in custom lengths to provide an elevation change for many different products.
- Can be fitted with a variety of chain types – high-friction links, standard cleats, or scoop cleats – to accommodate nearly any application.
- Available as a straight incline or equipped with offset sections, oriented parallel to the floor, at the infeed and discharge.

Curving Conveyors

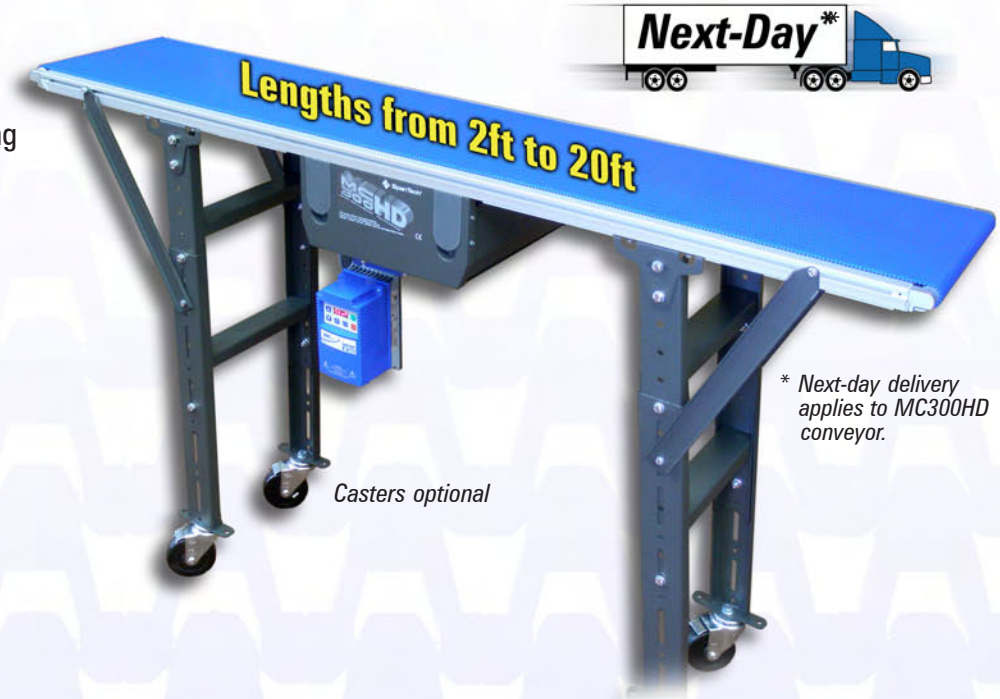
- Single curve, compound curves, or helical curves within one continuous conveyor.
- Engineered for the tightest turning radius in the industry.
- Available with tangent straight sections, or with an additional curve ("U-shape"), or as a horizontal offset design having two curves in opposite directions, with parallel infeed and discharge sections ("S-shape"), or with changes in both direction and elevation ("helical").



Products

MC300HD Conveyor

- Straight low-profile conveyor, available for **Next-Day Delivery** in custom lengths ranging from 609mm (2 ft) to 6096mm (20 ft).
- Intermediate mounted drive standard.
- Variable Frequency Drive included.
- 300mm (11.8 in) chain width.
- Plastic chain on aluminum bed section.
- "Sister" conveyors side-by-side for 24 in. chain width.
- No belt tracking or take-up; conveyor is sprocket-driven from center drive.



Casters optional

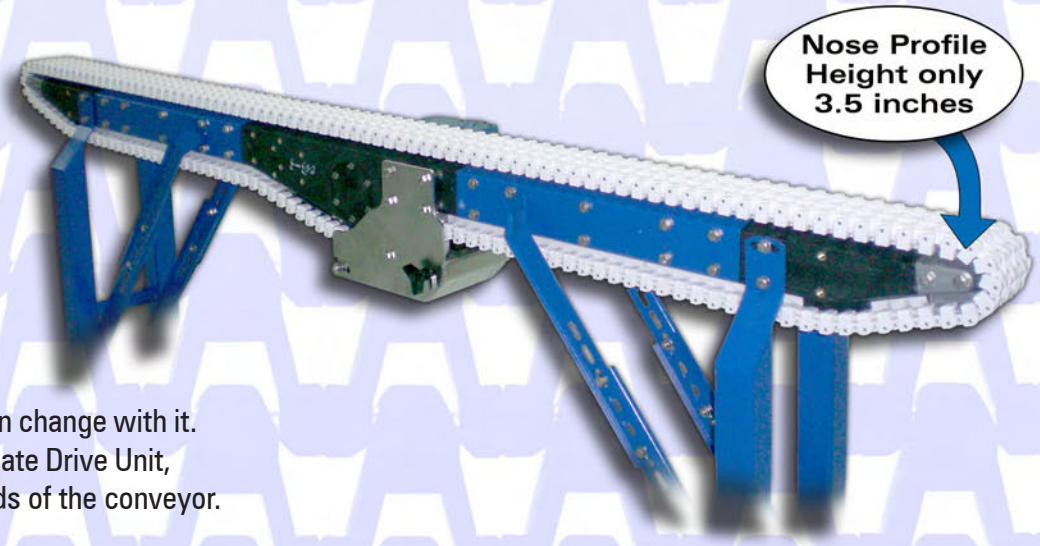
* Next-day delivery applies to MC300HD conveyor.

Transpositor

- Provides successful right-angle product transfers with no skewing, allowing product lanes or patterns to be built across the width of receiving conveyors.
- Ideal for feeding wrappers, casepackers, handpack stations and more – or as a reject or divert even for delicate products.
- Transfer function utilizes Span Tech's sprocket-driven MicroSpan chain – depositing function can be powered by servo, pneumatic actuator, or AC motor.

Intermediate Drive and Low-Profile Idler

- Low-Profile Idler's 88.9mm (3.5") nose diameter often eliminates the need for transfer devices at infeed or discharge.
- Product as small as 114mm (4.5") can be transferred without stalling.
- Existing conveyors can be directly retrofitted with the Low-Profile Idler – if your product changes, your conveyors can change with it.
- In conjunction with Span Tech's Intermediate Drive Unit, Low-Profile Idlers can be used at both ends of the conveyor.

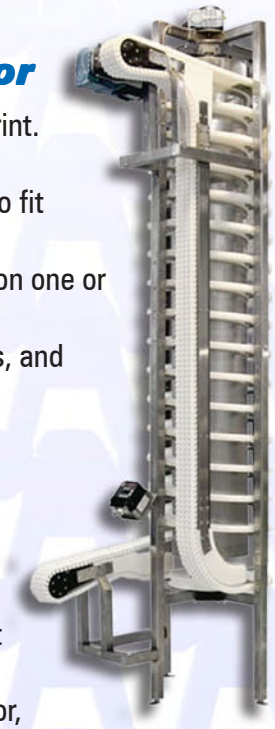


Products

OutRunner™ Spiral

- Powered by a single gearmotor, with each 360-degree revolution individually driven.
- Unique drive system allows each tier to share the load, rather than driving all of the chain from one end.
- OutRunner™ design offers great flexibility in loads, speeds, and incline angles.
- Wide range of configurations to suit customer-specific applications.

Spiral Elevator



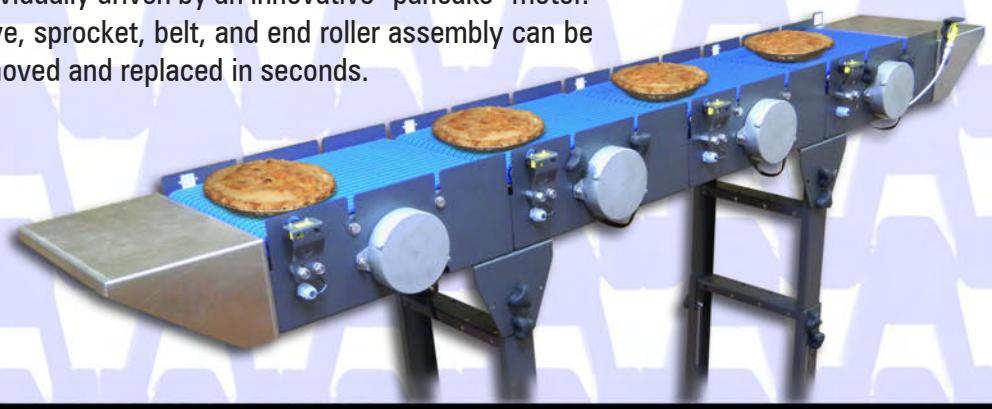
- Provides elevation change in a very small footprint.
- Handles a wide range of product sizes with no adjustments — the product group needs only to fit within the unit's product size envelope.
- Can be equipped with Moving Side Guide links on one or both sides of the chain.
- Useful for elevating, cooling, curing, time delays, and more.

Topper Lift

- Designed to lower or elevate product, while preserving product orientation coming out of a spiral cooler or other application.
- Upper chain drapes down and rides on lower transport conveyor, acting as a moving top keeper to allow a much steeper angle.
- Combines a very compact footprint with the ability to handle products of varying sizes without adjustment.

MicroZone™ Conveyor

- 24-volt, low-profile conveying system, utilizing sprocket-driven MicroSpan® chain for positive tracking.
- Zero-pressure indexing and accumulating; each standard 300mm x 300mm zone individually driven by an innovative "pancake" motor.
- Drive, sprocket, belt, and end roller assembly can be removed and replaced in seconds.



Products

High-Speed Switch

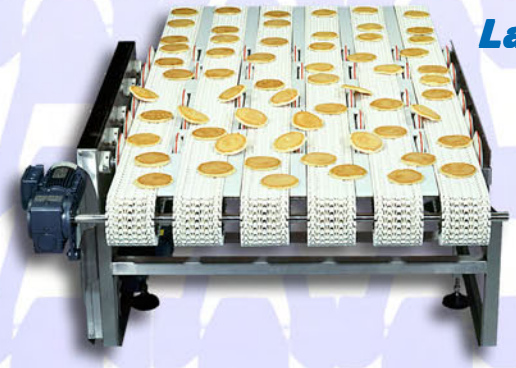
- Lane divider/merge designed to split a flow of products into two, three, or four lanes of output while maintaining product pitch.
- Product flow can be split at high speeds — Span Tech systems are currently in place successfully running at over 200 fpm.
- Many configurations are possible, including 2-to-4 lane switching, sorting applications, and more.
- 50/50 split achievable without the use of logic components.

Wedge Units

- Designed to move product vertically up or down, providing an elevation change of up to 30 feet.
  - Classic all-mechanical design, requiring no sensors or logic components.
  - Offers the simple reliability of all-mechanical movement; it grabs the parts on the sides, and off they go. Fixed and adjustable-width units are available.
  - Offered in two models: the MultiSpan for medium to large products, and the MiniLink for smaller or lighter products.

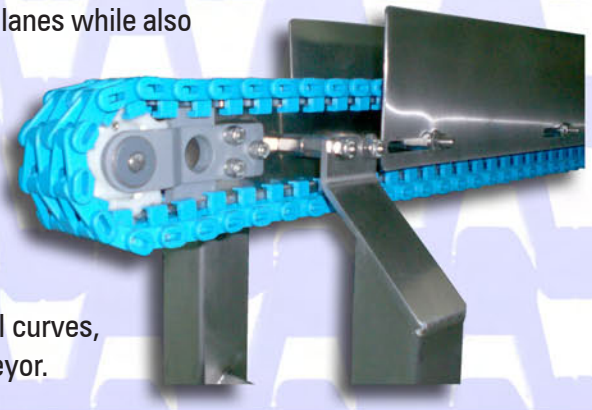
J-Trax

- Open design with bare rod contact surface allows fast cooling of bakery items; lets debris and excess product fall through instead of building up.
- Ideal for cooling, breading, depositing, battering, enrobing, draining, drying, and general conveyance.
- Fully washdown rated; stainless steel conveyor surface easily cleaned and sanitized.



Laner

- Span Tech's innovative Laner can take the random discharge of products from spiral freezers or coolers and organize the pile into separate lanes.
- Lanes of product can be sent on down the line for final packaging, or in different directions for additional processing.
- Automatically accelerates product into lanes while also virtually eliminating product jamming.



MiniLink

- Utilizes a single plastic chain link, running on a welded stainless steel I-beam.
- Like all Span Tech conveyors, MiniLink chain (30mm or 60mm width) has no cumbersome catenary which must be re-fed back on track.
- Because the MiniLink rail may be shaped to create both vertical and horizontal curves, combinations of inclines and horizontal turns are possible within a single conveyor.

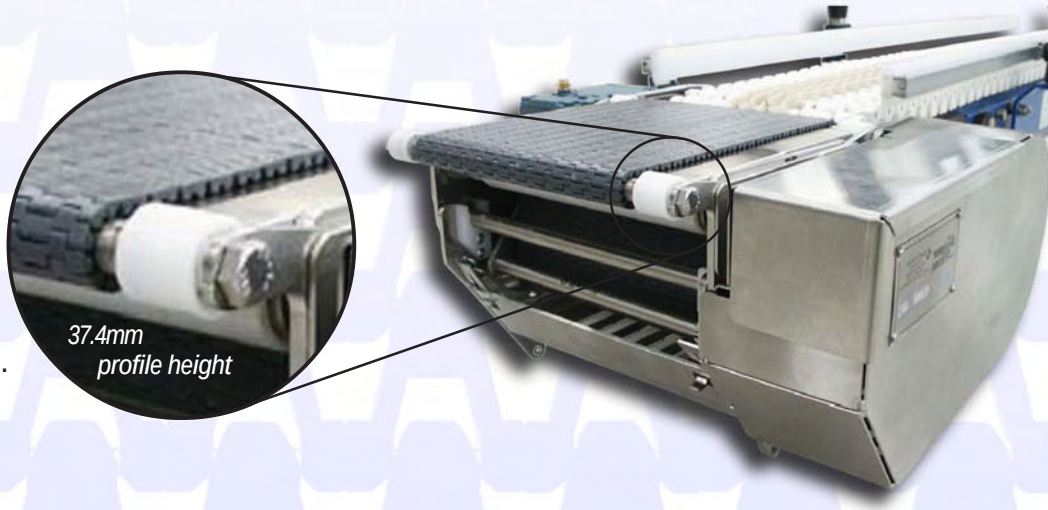
Powered and Gravity Transfers

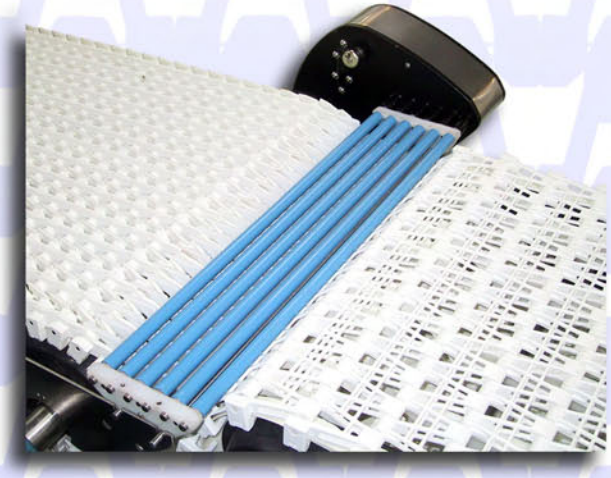
MicroSpan Transfer

- An innovative concept in plastic chains, developed especially for Span Tech's powered transfer program.
- Can easily be used with any of Span Tech's conveyor lines; also available separately for use on other conveyor systems.
- Stainless steel construction offers excellent washdown capability; bridge can also be lifted out for cleaning.
- Can be slave driven from the main conveyor or independently powered by its own gearmotor.
- Sprocket-driven design eliminates tracking problems associated with belt-type equipment, and a profile height as little as 14mm (0.55") facilitates the smooth transfer of very small items.

High Speed MicroSpan Transfer

- Offers all the benefits of our proven MicroSpan Transfer technology.
- Roller nose design (inset) significantly enhances the unit's capabilities.
- Maximum speed raised from 150 fpm to 300 fpm; load capacity also increased.





Powered Roller Transfer

- Designed to transfer even delicate or irregularly-shaped products.
- Small 11.2mm (0.44") roller diameter ensures smooth flow of product.
- Can transfer items as small as 33.53mm (1.32"), when used in conjunction with Raised Top conveyor chain.
- Self-aligning magnetic coupling design allows the transfer's roller assembly to be easily lifted out.
- In the event of a product jam, the bridge will pop out to avoid damage to the equipment, while also protecting employees from possible injury.

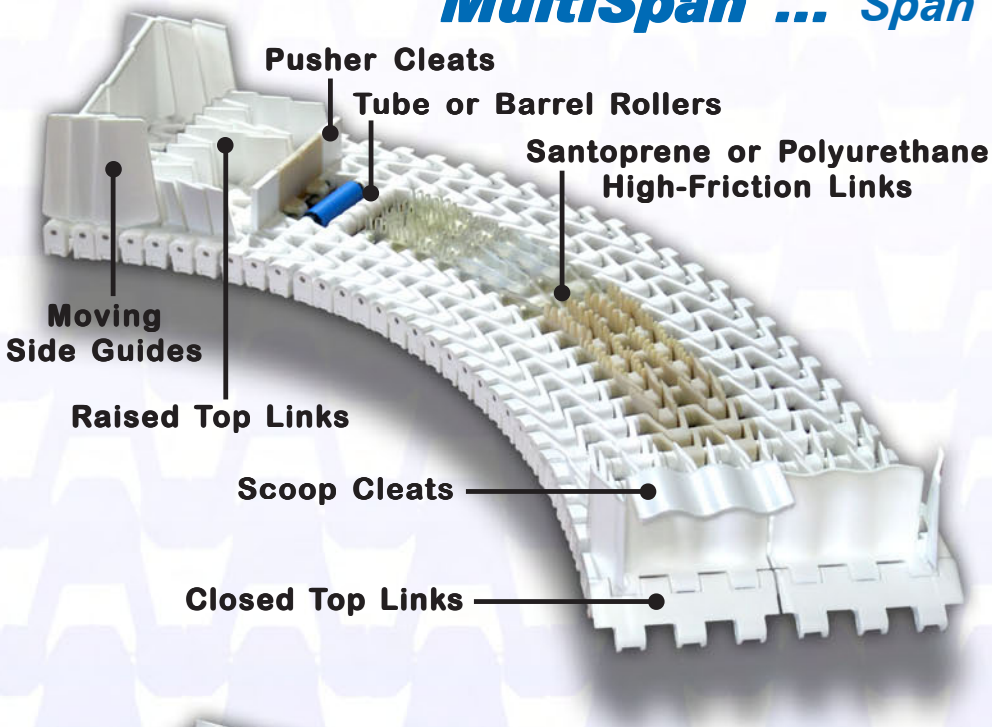
Gravity Roller Transfer

- Utilizes the same 11.2mm (0.44") roller diameter as the Powered Roller Transfer (above), providing the same capabilities for small product transfer.
- Ideal option for applications which do not require a powered transfer.
- Roller bridge can be easily lifted out and replaced to facilitate cleaning and maintenance.

SpanTech

SpanTech Chain Families

MultiSpan ... Span Tech's flagship conveyor chain line.

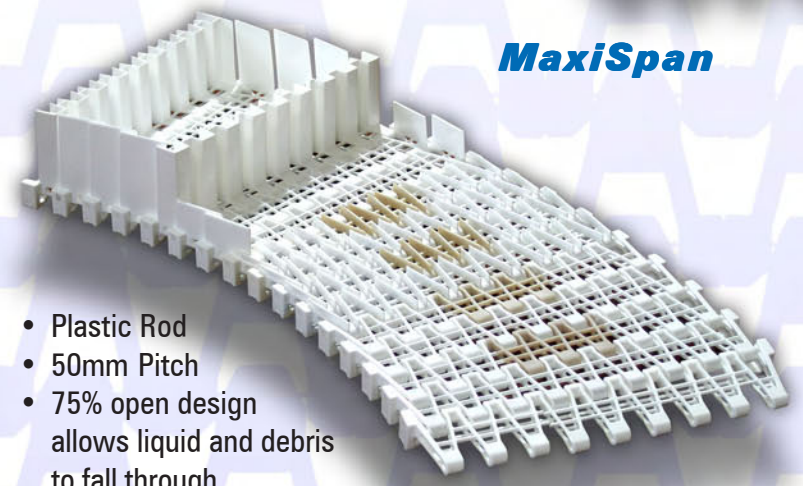


- Stainless Steel or Coated Mild Steel Rods
- 25mm Pitch
- 42% open design allows liquid and debris to flow through
- Load carrying capacity of 50 lbs. per square foot
- Eliminates the problem of black oxide build-up, so the white chain stays white
- 50mm Pitch also available

MODULAR + REBUILDABLE

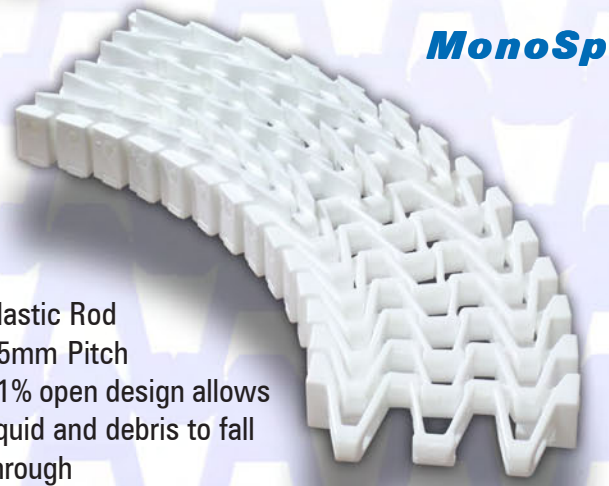
With Span Tech's modular design, in most cases damaged or worn chain components can be replaced, eliminating the need to buy new chain.

MaxiSpan



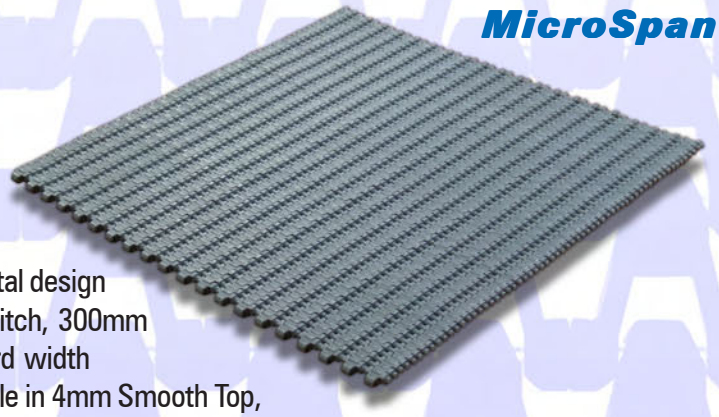
- Plastic Rod
- 50mm Pitch
- 75% open design allows liquid and debris to fall through
- Load carrying capacity of 25 lbs. per square foot

MonoSpan



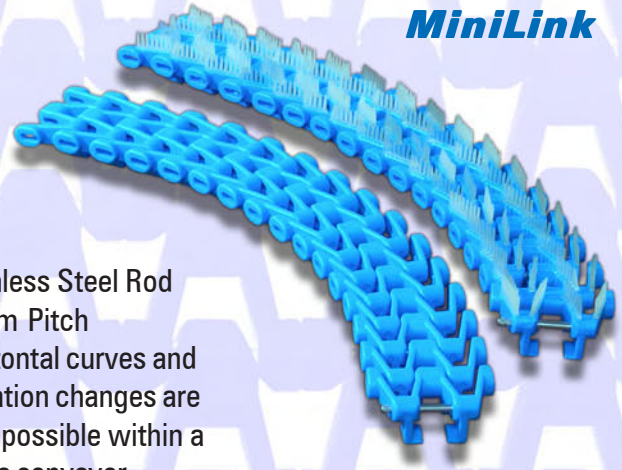
- Plastic Rod
- 25mm Pitch
- 51% open design allows liquid and debris to fall through
- Load carrying capacity of 15 lbs per square foot

MicroSpan



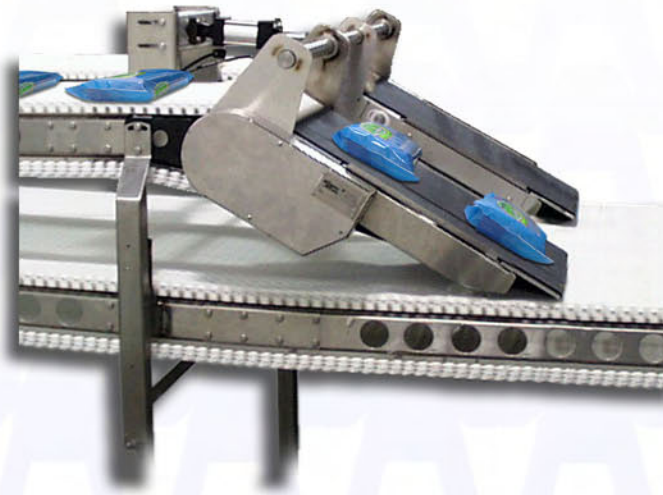
- All Acetal design
- 5mm Pitch, 300mm standard width
- Available in 4mm Smooth Top, 4mm Rough Top, 6mm Smooth Top, and 6mm Rough Top styles

MiniLink



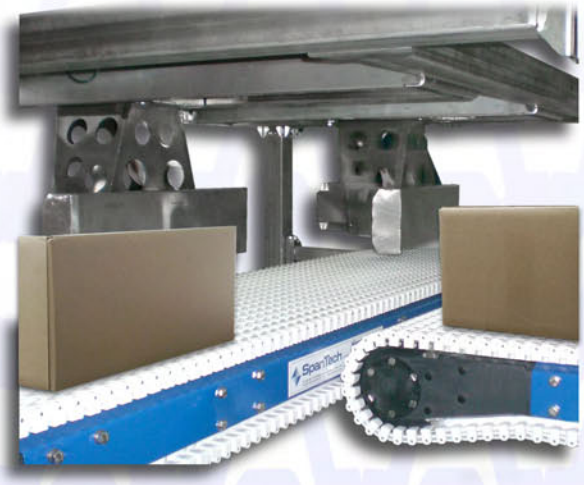
- Stainless Steel Rod
- 25mm Pitch
- Horizontal curves and elevation changes are both possible within a single conveyor

Accessories



Vertical Switch

- Span Tech's Vertical Switch design can easily be used to discharge product at multiple elevations.
- Compact (14mm – 21mm) nose profile height.
- Can be slave-driven from the conveyor or independently powered.



Pusher Station

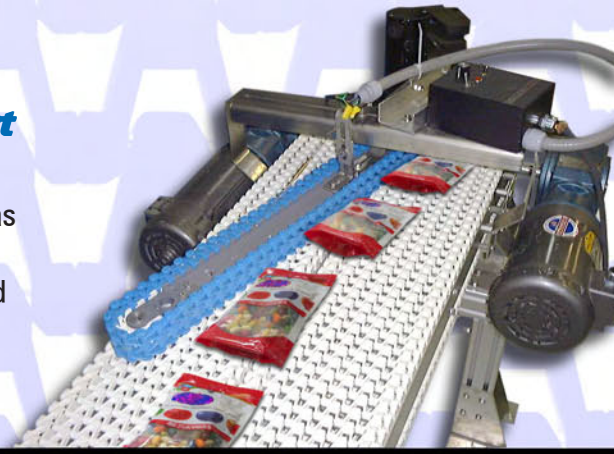
- Span Tech's Pusher Station is a solution for ejecting specific product from the main conveyor flow.
- Ideal for product sorting and palletizing, or simply as a product reject system.
- Rugged enough for very heavy products.

Traffic Cop

- Automatically merges two lanes of product, having uniform or nonuniform sizes and weights, into a single lane of output.
- The Traffic Cop's simple, fully mechanical design operates without the use of sensing devices, I/O components, or powered automation.

Lift Gate

- Counterweighted or spring-loaded conveyor section, hinged to allow it to be raised and lowered as needed.
- The Gate's conveyor section can be slave-driven from the preceding conveyor, if desired.



Divert

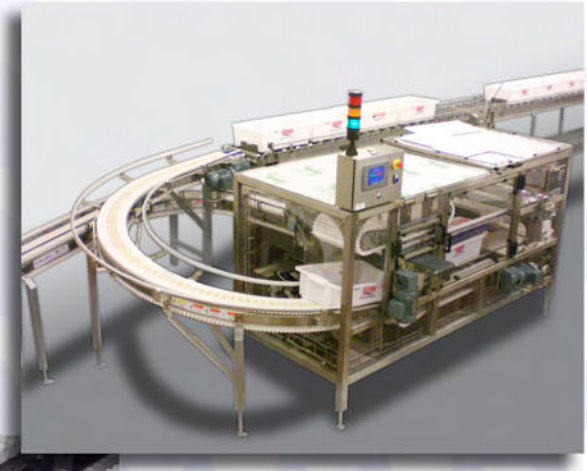
- Span Tech offers powered or stationary Diverts for a variety of applications.
- Powered Diverts are especially suited for use with non-rigid product, such as bagged items.
- Powered Diverts are also useful when conveyor length is limited, and a fixed divert rail (with smaller deflection angle) would be too long for the available space.

Applications

Incline / Decline Conveyors

Common Drive Conveyors

Specialty Applications

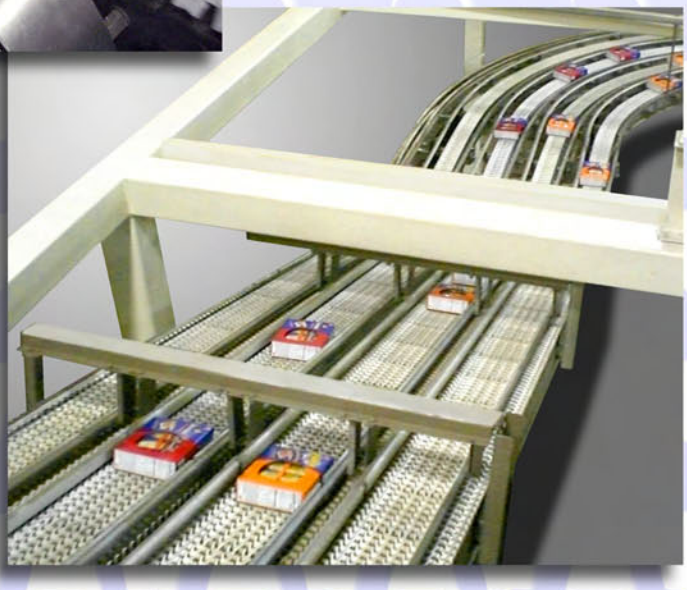


Merge Applications

SpanTech

Right-Angle Transfers

Integrated Horizontal and Vertical Bends



Vertical Transfer

SpanTech Customer Service

Span Tech is commited to our customers' success, offering four Customer Service support functions to assist your company in maintaining dependable conveyors for transporting your products.

Trained Distributor Service Technicians Available Worldwide

- Provide conveyor inspections on a regularly-scheduled basis.
- Provide quick-response field service work for warranty or non-warranty repairs.
- Offer preventive maintenance service contracts for maintaining reliable, trouble-free operation.
- Provide our comprehensive Owner's Manual, incorporating Safety, Assembly, and Maintenance information.

Spare Parts Program

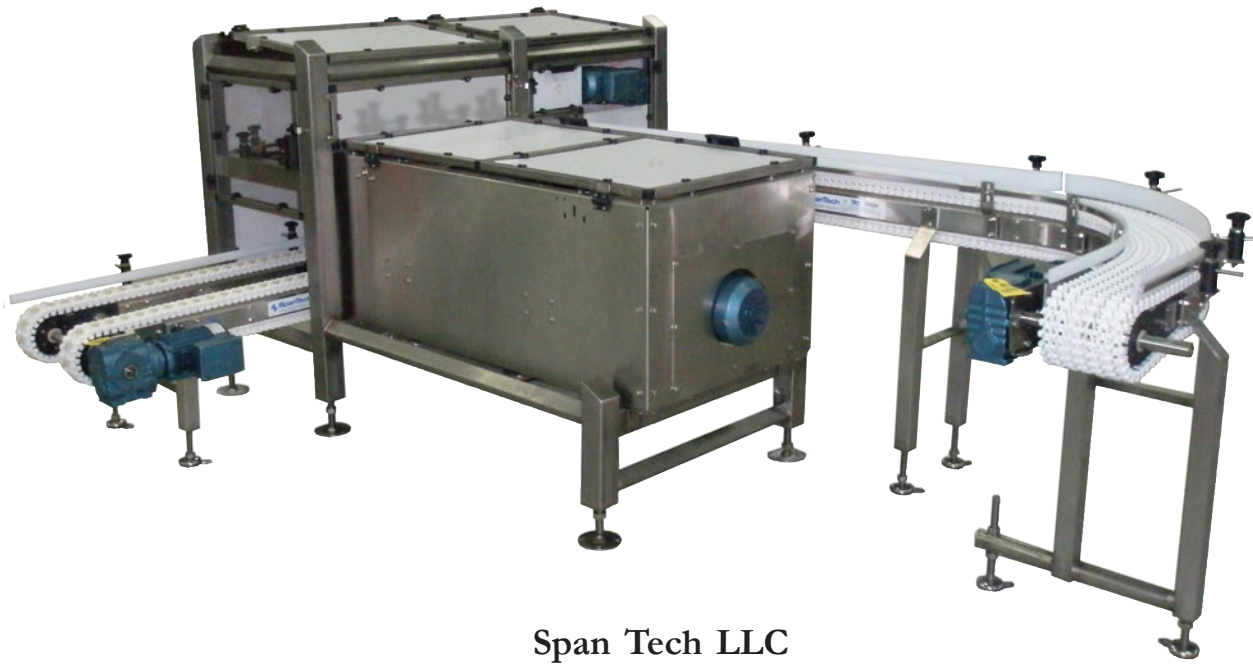
- Span Tech's dedicated Spare Parts Department means personal attention and prompt delivery of spare parts orders.

Research and Development Group

- Engineers are available to study and provide solutions for the most complex issues in the conveyor industry.
- Product testing is available to establish system capabilities.

Design and Estimating Group

- Design engineers, using proprietary Navigator® and Estimator® software, are available to quickly provide system modifications and estimates to assist your engineers.



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