AVTEC Engineered Conveyor Systems

Avtec designs and engineers conveyor systems with the largest available design variations to meet the exacting needs of foodservice professionals. Labor saving solutions, employee safety, innovative features, as well as utilizing the highest quality components are just a few ways Avtec assures reliability.

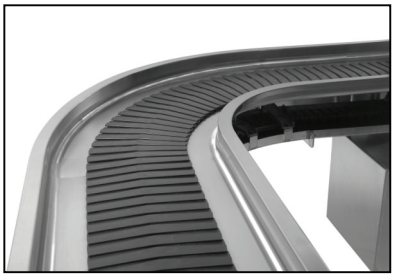
Competitive Features and Benefits:

Product Safety

Control panels are supplied with a main disconnect switch to be utilized when the unit is not in operation or is being serviced. These panels include multiple controls giving you the flexibility to adjust and override standard programming for special uses. And for added security, all safety switches are designed for low voltage actuation assuring line voltage is not accessible to workers or employees.

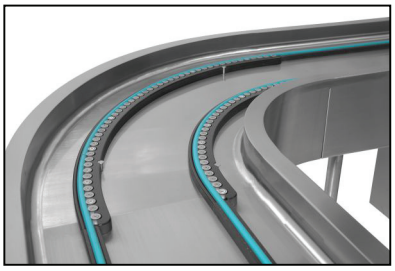
Control panel with main disconnect switch for added safety

Our patented slat design allows trays and racks to slide on the surface if held back, with no risk of injury to the operator. The overlapping slats eliminate the possibility of catching fingers or utensils between individual slats, not only during straight-line operations but also through turns in the table bed. To eliminate slat jams, our Anti-Jam safety plate located on the drive opening utilizes a safety switch to terminate conveyor operation immediately. Our Cordveyor model design utilizes a multiple core Kevlar that eliminates stretching and breakage.


Slat design conveyor

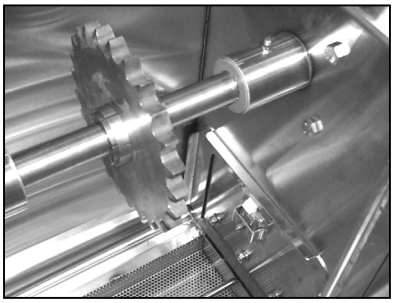
Cleanability

- Patented slats with wedge shape rollers allow the belt to be lifted out of slider rails for easy cleanup, even around turns.
- Field replaceable UHMWP (**U**ltra **H**igh **M**olecular **W**eight **P**olypropylene) slide rails allow for complete cleaning.
- A fully electronic programmable Automatic wash system is integrated with one of the industries most dependable peristaltic pumps allowing detergent / sanitizers to be programmed to meet each individual facility's requirement and assures a clean and disinfected conveyor assembly. An automatic detergent flush system sanitizes the lower slider bed and drip pan assuring all slat surfaces and edges are fully covered with the correct amount of solution.
- The pre-programmed automatic wash and rinse feature work in sequence and moves food scraps from return bed into a removable scrap drawer.
- The drive / scrapping assembly access doors are fully integrated with electronic interlocks to assure the unit rotation is terminated on access to the large capacity, front removable, stainless steel perforated scrap pans.
- The Avtec Cordveyor is supplied with our micro roller design allowing the cord assemblies to be lifted for easy cleaning of the turn and cord.


Cord design conveyor utilizing micro-roller turns

Cleanability Continued

- An optional magnetic silver saver can be supplied to catch silverware allowing non-metallic objects to slide down to our pitched wash tank and external scrap drawer that have all stainless steel removable catch pans.



Stainless steel drive sprocket mounted to stainless steel expanding hub in lieu of fixed position "key-way" mounted sprocket. Allows easy adjustment of chain timing and belt assembly.

Reliability

- The Avtec conveyor is constructed of a uni-body stainless steel construction -- not black angle iron or galvanized channel construction utilized by many competitors. While other manufacturers require field adjustments during assembly, Avtec assembles and tests the operation of all units prior to shipping to the field. Due to the uni-body assembly, field adjustments to the frame are a thing of the past.
- A UHMWP type sprocket is utilized on the idler end with an auto tensioning system that is mounted to a stainless steel shaft which reduces wear, stretching and breaking of the conveyor chain.
- Stainless steel return pans with a UHMW monorail return system reduces slat belt wear and vibration.
- NEMA #4 rated, waterproof infrared limit switches eliminate tray or rack stack up while also assuring a life time of trouble-free service.
- Our Micro Roller assemblies are designed to relieve the stress by spreading the tensioned load across a larger surface area in a smaller space. By utilizing sealed stainless steel bearings, the reinforced cord is never under strain as seen on conveyors utilizing from three to five contact points during changes in direction.

Space and Labor Savings – Avtec TrayTrac and BusTrac

- All drive assembly components are accessible for service either through the conveyor top or the large access panels located on the dish room side of the conveyor. Stay-open hinged access panels make routine maintenance and cleaning inspections easy.
- Individual slats are easily removable without tools and chain disassembly.
- Replaceable micro turn assemblies are available in one-piece assemblies saving you from excessive service down time.
- Avtec TrayTrac conveyor systems allow for the conservation of motion by Operators by allowing the worker to face the unit, thereby reducing the amount of extraneous motion. Standard straight tray lines utilized by other manufacturers force workers to work perpendicular to the line causing unnecessary twisting and turning.

TrayTrac conveyor

Space & Labor Savings – Avtec TrayTrac & BusTrac Continued

- Avtec TrayTrac systems conserve valuable floor space by paralleling the support equipment. This allows workers to face the unit so that more tasks can be completed while at the same time, the tray line utilizes less space on the floor.
- Avtec TrayTrac systems provide greater efficiencies by utilizing individual tray carriers due to the consistent and regulated spacing of the trays so gaps or piling of the trays is eliminated.
- The vertical accumulation capabilities of the Avtec BusTrac system provide unparalleled capacity to assure maximum holding and transfer capability and are available with a variety of options to meet your needs.

BusTrac system with vertical accumulation for maximum holding and transfer capabilities

Retrofit All Conveyors with Avtec Conveyor Designs and Components

- Refurbishing an existing conveyor system can save time and money. Avtec factory trained personnel can complete a conveyor retrofit in days instead of weeks that are required to install a new system thereby reducing downtime and construction delays. A retrofit of a conveyor system can be between 50-60% of the full replacement of a system.
- The quality components utilized on our Cordveyor or Slat conveyor are capable of being installed in your worn out equipment and includes all required table and return components as well as mechanical drive and idler assemblies. The drive assembly will be supplied with all new plumbing and mechanical components and include our user friendly control assembly.

CONVEYOR COMPETITIVE POINTS

Slat Conveyors	Tapered Rollers on Slats (allows for lifting to clean table)	Under Table Return (surface cleaning of slats)	Mono Rail Return (carousel)	Detergent Drip (directly controls quantity of detergent)	Direct Detergent Injection (higher foaming)	Variable Speed Frequency Controlled AC Drive Motor
avtec	Yes	Yes	No	Yes	No	Yes
K-FLEX	Yes	Yes	No	No	Yes	Yes
NATIONAL CONVEYORS	No	No	Yes	No	Yes	No
CADDY Food Service Equipment	No	No	Yes	No	Yes	No
TRAYCON	No	No	Yes	No	Yes	No
Conveyor Solutions	No	Yes	No	No	Yes	Yes
Aerowerks™	No	Yes	No	No	Yes	No

Cordveyor	Microturn Design for Turns	Under Table Return (safety)	Single Cord Top Return with Covers
avtec	Yes	Yes	No
K-FLEX	Yes	Yes	No
CADDY Food Service Equipment	No	No	Yes
TRAYCON	No	No	Yes
Conveyor Solutions	No	No	Yes
Aerowerks™	No	No	Yes

BusTrac	Full Length UHMW Runner System (providing constant lubrication)
avtec	Yes
K-FLEX	No
CADDY Food Service Equipment	No
TRAYCON	No
Conveyor Solutions	No
Aerowerks™	No

Information contained in this document is known to be current and accurate at the time of printing. Unified Brands recommends referencing our product line websites for the most updated product information and specifications.

888.994.7636
unifiedbrands.net