



UniSort® XV



>> Product Description

The UniSort XV represents the latest in sliding shoe sortation design from FKI Logistex. Product is transported over the sorter on round tubes or flat slats, each fitted with sliding shoes guided by a track under the sorter bed. Electrical solenoid-operated divert switches interrupt the track at predetermined points to release the needed number of shoes to divert a given package. The shoes gently and positively divert the product off of the sorter and onto a take-away conveyor.

The UniSort XV can operate at speeds of up to 600 feet per minute (3 m/sec), yielding a carton throughput rate over 250 cartons per minute. The UniSort XV has been carefully designed to optimize space usage, maximize system throughput, reduce maintenance and limit noise. Standard sorter module sections allow for flexible creation of a functional sortation system. Custom UniSort XV layouts are also available.

The UniSort XV is designed to be integrated with the full line of ancillary sortation equipment from FKI Logistex. This combination yields a sortation system that will meet and exceed your material handling requirements.

>> Features

- Provides gentle, positive sortation
- Capable of speeds exceeding 600 feet per minute
- Diverts configurable on left, right or dual-sided
- Configurable to optimize divert spacing

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>> Benefits

- Proven throughput rate of over 250 cartons per minute
- Modular design allows for flexible system layout
- Mechanical center switch requires no air or controls
- Fully electric divert switch



>> Technical Specifications

Operation: Sliding shoe sortation conveyor

Running Speeds: 250 fpm (1.3 m/sec) through 600 fpm (3 m/sec) in 50 fpm (.25 m/sec) speed increments

Widths Offered: 22" (560 mm), 28" (710 mm), and 34" (865 mm) standard infeed conveyor widths; Custom widths also available

Minimum Elevation: 30" (760 mm)

Divert Hand: Left hand, right hand, or dual-sided; Custom configurations available

Divert Switch: Fully electric solenoid-operated diverter finger with shoe pin sensor

Center Switch: Fully mechanical center cross-over switch (dual-sided sortation)

Frame Design: 7 gauge formed steel

Divert Angles: 20° & 30°

Carton Carrying Surface: Steel tubes or extruded aluminum flat slats

Carrying Chain: RC100 roller chain with precision carrier bearings

Drive: 1 HP - 50 HP (.75 kW - 37 kW) motor with shaft mounted reducer

Divert Shoe: Precision molded polymer shoe with high friction carton contact surface, including contoured leading edge to prevent jams

Lubrication: Solenoid actuated automatic chain oiler

Take away conveyors: Gravity skate wheel and powered roller spurs

Control: PC-Based BOSS™ or PLC-Based

Spare Parts: Spare parts kits can be customized for your installation.

Service: Maintenance service programs available from Customer Service & Support (CSS), our multi-faceted program that provides service 24 hours a day, 365 days a year to ensure optimum operation of your system.



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>> Sales Contact

To contact the FKI Logistex Sales Contact for UniSort® XV, please e-mail manufacturing@fkilogistex.com or phone +1.877.935.4564.