

Sortation Conveying Equipment Photo Gallery

Gator Herringbone Singulator



The Gator receives product in random orientations and discharges the product in single file.

3 Position Pneumatic Diverter



This 54" wide plastic belt conveyor has a 3 position pneumatic diverter mounted onto it for diverting 25lb bags. The diverter arm moves the bags to the center or 30 degrees to the left or right to be transferred onto conveyor at the discharge end. The 54" wide series 900 flush grid grey polypropylene belt allows the bags to easily move with the diverter arm.

Positioners / Pushers

Product Positioners



A Puller arm is mounted at the discharge end of the conveyor to position product for a robot to pick up. A photoeye senses that product is in the zone activating the puller arm to move the product to the drive side. A pressure switch is incorporated to accommodate multiple product sizes. Once positioned the puller arm then resets for the next product.

Primo Sort



The Primo Sort High Speed Sorter was designed in response to an increasing demand for high speed distribution equipment. Up to 75 sorts per minute (based on size of product) can be economically and accurately sorted with the Primo.

796 Sort Belt



The 796 Sort Belt Pivoting Belt Diverter has a high rate of package sortation. As many as 75 cartons may be accurately sorted per minute with belt speeds as high as 300 fpm. Guards removed to show chains; do not operate with guards removed.

Pneumatic Indexer



The pneumatic indexer creates specific spacing between products. The 18" long pneumatic operated indexing conveyor is located at the discharge end of the line and has a cylinder that raises and lowers at specific intervals and prevents product stacking and adds gaps onto the next conveyer line.

Barrel Diverter



90° dual-lane barrel diverter features specially curved diverter arm mounted with skate wheels to allow smooth diversion of barrel products. A pneumatic arm lifts the first diverter to allow passage of barrels to the second diverter.

The Big Star Rollover



The Big Star Rollover device rotates panels 180 degrees to be sent to the next stage of the manufacturer's process. The rollover has 12 strands each with 8 arms mounted 45 degrees apart. The arms of the rollover are aligned with the infeed 796 Line Shaft conveyor so the panels can be staged to be rolled over. Cutouts were placed in the conveyor so that the 12 strands can pass through and rotate 45 degrees for the next incoming panel. Once the panel reaches the other side it is now ready to be sent out. The arms of the roll-over are aligned with the discharge line shaft conveyor and the panels exit the rollover. To protect the finish all the rollers have a poly urethane covering and the arms and channels have UHMW wearstrip attached to them.