

Gator Singulator

450 FPM

Low Decibel Motors

48" Conveying Surface

XLD Drive Bands

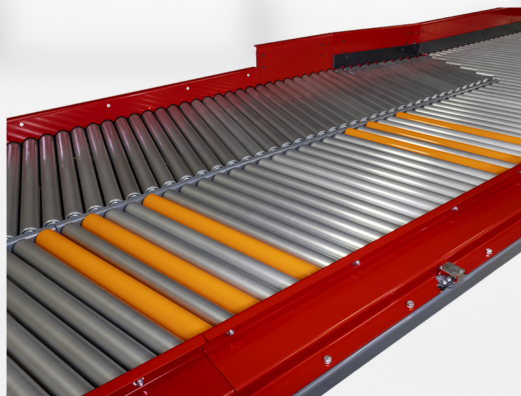
Unidrive 24vdc Motor System

Zone Speed Adjustment

Photo Eye Monitoring

As product enters the conveyor from multiple lines the singulator descrambles the packages. Two sets of skewed rollers move the packages toward the center of the conveyor where they rotate to a lengthwise orientation. Four speed changes occur as packages proceed to the discharge end, allowing the product to space and exit in a single file.

Dual center drives run 2 lanes of 1.9" dia. high-speed precision rollers. The rollers are skewed toward the center in a herringbone pattern driven by XLD drive bands, which allow for more rollers per motor at higher loads. The Gator Singulator is band-driven by the low profile Unidrive motor system for high-speed precision and near silent operation. Each zone is monitored with photo eyes for speed adjustment accuracy throughout the singulation process.



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