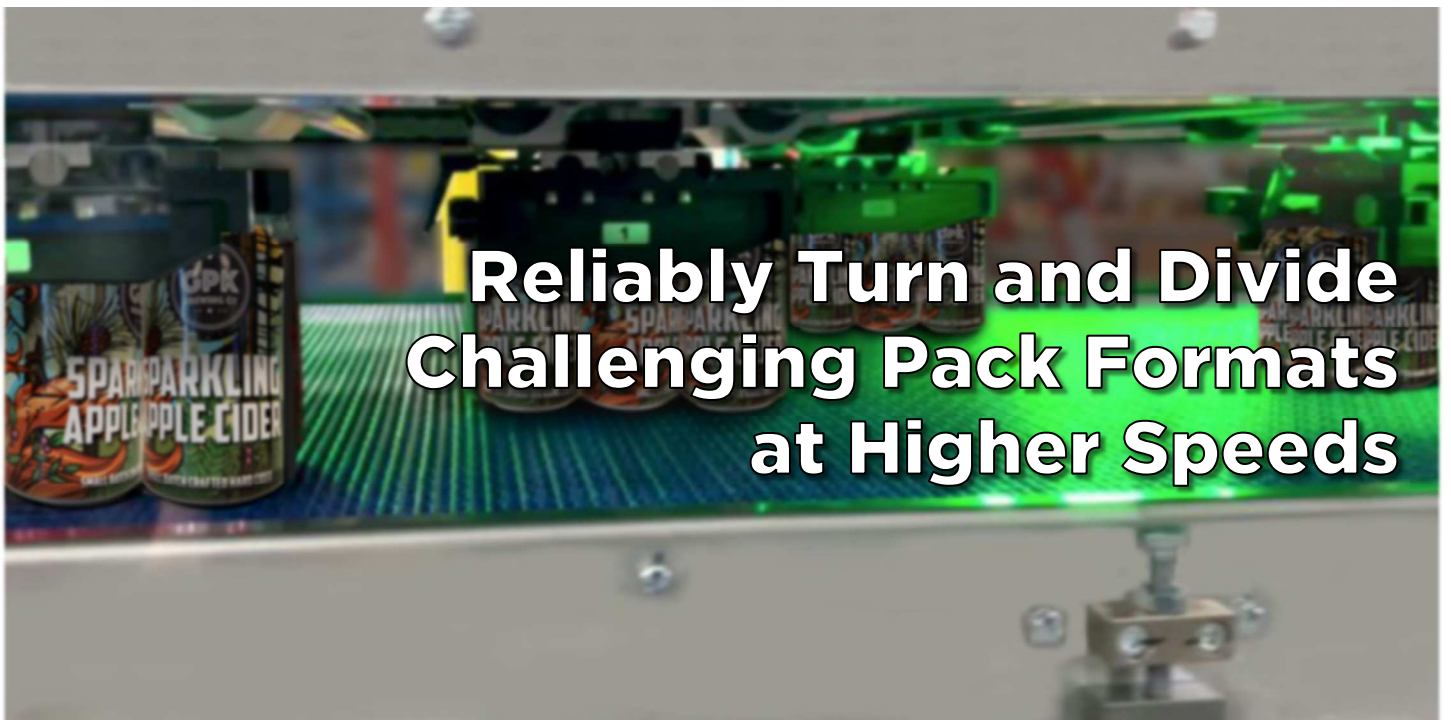
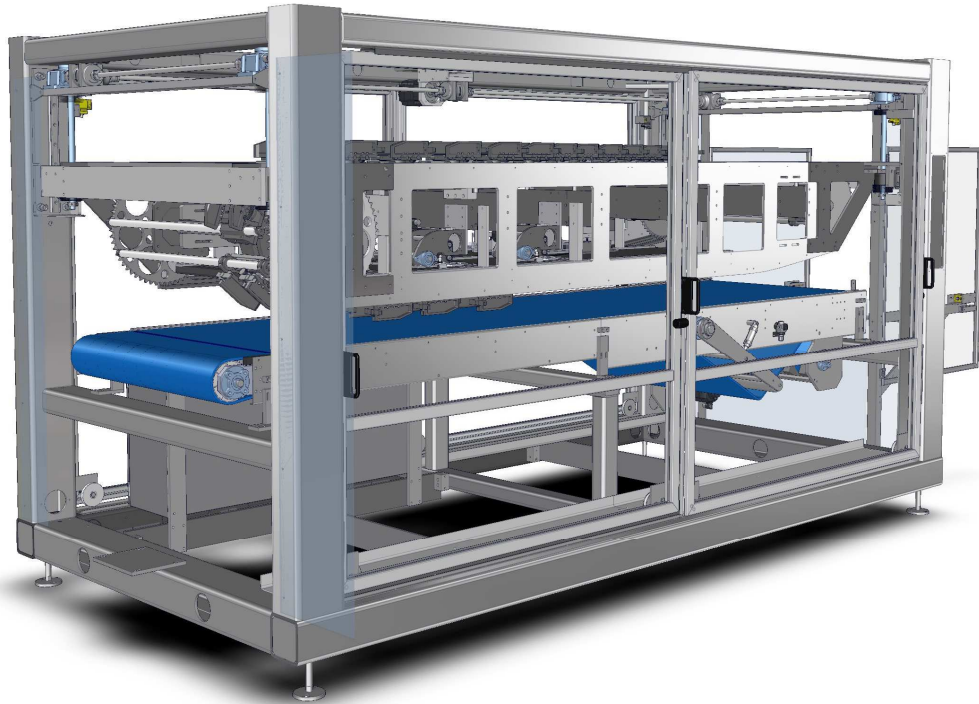


PackFlow™

Graphic Packaging's new generation turn divide system



PackFlow™

This new generation turn divide system has been designed to solve an array of current market challenges such as newer pack formats at higher speeds, reduce slippage on new clip design packs, transfers on small can/bottle packs while satisfying the market request for touchless changeovers.

Machine Features

Standard

- 30mm flight bars
- Motorized overhead lift/height control
- Turn/Divide flights, no transition from turn/divide/reject
- Single conveyor below product, no transfers

TDR5 Key Advantages

- Continuous conveyor with no internal transfers
- No mechanism below the product line. Divider is insensitive to spills/loose glass/paper dust etc
- Fully controlled divide and turn. No relying on friction for turning and dividing. No drift
- Precise turning and laning. Repeatable to less than 1 degree on turn /3mm on divide placement
- Highest speeds to match higher machine outputs
- Reject is fully controlled and straight thru. No shifting/turning of bad packs. Full speed reject, unlimited number of rejects possible through the machine

Machine Systems

Overhead System

- Fully Overhead turn/divide flights for high speed and precise positioning and turning
- Robust rolling elements on all motions for long life

Lift System

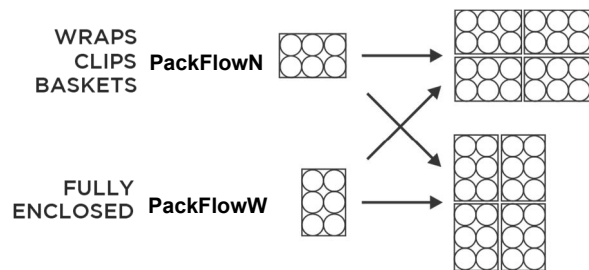
- Long stroke to allow clearance for maintenance
- Servo Driven for precise motion for product height changes
- Four point lifting for stability
- Ball screw jacks for long life

Control System

- Onboard Servo Drives and remote IO. No wiring to main machine except power and data cabling

Turn System

- Automated turn/no turn changeover for format changes.



Additional Machine Features

Lane Switching

- Direct servo driven diverter
- All rolling element motion
- Design reduces possibility of mechanical crashes
- Modular design

Flight Design

- Overhead captures the pack
- Roller cam followers for both divert and turn functions
- Linear ball bushings
- Trailing edge breakaway guides prevent damage in case of lost position
- Adjustable width: auto changeover option available
- Rack and pinion turn system
- Radial bearings in turn flight for long life

Reject System

- Reject is accomplished by not moving the pack. This feature is best for unglued/unlocked packs for stability

Supported Machines

- Wrap product line: Marksman
- Clips Product Line: KeelClip, GripClip, CapIt
- FEC product line: TDR5W product. 90% parts are the same
- Basket and Combo Machine lines: Planned and integrated TBD

Optional Modules

- Auto flight changeover, enables no touch changeover
- 4/6 way divide module, for 1x packs, same divider width
- Discharge funnel for narrow discharge conveyors

Machine Footprint

