SOLUTION SPOTLIGHT

ARB RETRACTABLE BUMP TURN
NO: 503

THE APPLICATION: Aligning, gapping, and selectively turning products for layer forming

THE PRODUCT: Activated Roller Belt™ Aligner with Retractable Bump Turn and Friction Top Gapping Conveyor

THE INDUSTRY: Food Manufacturing

THE NEED: A food manufacturer needed to align, gap, and change product orientation of two box sizes at high speeds and fit within the existing plant layout. The conveyor had to fit in a small window of space at the top of a three tier conveyor system.

THE SOLUTION: Omni Metalcraft Corp. designed an Activated Roller Belt™ (ARB) Aligner Conveyor integrated with a product gapper and case turner. The package would first be aligned to one side for scanning. A Plastic Belt gapper was then integrated to space out the packages to read its orientation with photoeyes. If the package orientation needed to change, a Retractable Bump Turn would activate allowing the product to rotate 90 degrees. All three application solutions were completed in 14 feet at 100 FPM.

- 8 1/2” height profile
- Intralox 900 Friction Top Belting for gapping
- 30 degree ARB belting
- Welded frame
- UHMW sideguides for non-marring
- Pneumatic retractable bump turn