

**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