



NEED

- Consolidation of distribution centers increased demands on warehouse staff
- Customer needed to find an alternative shipping method to reduce costs
- A solution was required that could do more with less staff
- Space was critical and a reduction of on-site inventory was also necessary

SOLUTION

- **Changed carton design** from a standard shipping carton (RSC) to an auto lock bottom carton (ALB)
- Reduced the number of cartons required for shipping customer SKU's from **15 to 7 cartons**
 - **Optimized the size**
 - **Incorporated a multi-depth**
- Developed a vendor managed **inventory program**

BENEFIT

- ALB cartons **assemble at a 4:1 ratio** compared to RSC cartons
- ALB cartons **require 1/2 the carton sealing tape** of a RSC carton
- Consolidated sizes **reduced the number of pallets** required in customer inventory
- Warehousing program further **reduced customer inventory**

STANDARD SHIPPING CARTON

Annual Tape Required

\$3,057

Annual Hours Packing

1,222

AUTO LOCK BOTTOM CARTON

Annual Tape Required

\$1,529

Annual Hours Packing

306



Annual Tape Required Savings

\$1,528



Annual Hours Packing Savings (916 x \$7.25)

\$6,641



\$8,169

Cost Benefit

