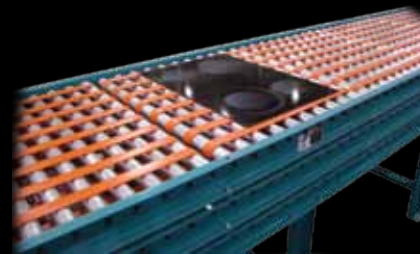


## 3 TIER GLASS HANDLING & STORAGE MDR NO: 302



**THE APPLICATION:** First In-First Out Glass Storage and Buffer Operation

**THE PRODUCT:** Three Tier Motor Driven Roller Conveyor Integrated with Two Reciprocating Vertical Lifts with Dual Conveyor Decks

**THE INDUSTRY:** Glass Manufacturing

**THE NEED:** A glass oven top manufacturer needed a new solution for a line expansion. The manufacturer needed to create a significant amount of storage space while using minimal floor space as well as provide a first in-first out buffer for the robot. It was Omni Metalcraft Corp.'s job to ensure the glass was handled gently without marking or marring it. It was also important that it was simple for the integrator to install utilizing plug and play accumulation controls.

**THE SOLUTION:** Omni designed a custom three tier motor driven roller conveyor integrating two reciprocating vertical conveyors creating three levels of "buffering." Each layer was zoned for zero pressure accumulation and equipped with customer supplied specific glass handling photo eye sensors. The rollers were slave driven by urethane bands allowing for smooth transportation and a non-marring surface.

