



## Wirtz Beverage Reduces Cost of Operations and Gains Distribution Efficiencies with Cubic Designs' Multi-Level Mezzanine.

Wirtz Beverage is the leading national distributor of the world's top luxury and premium wine spirits and beer brands with more than \$1.5 billion in annual sales and distribution facilities throughout the United States. The Wisconsin division moved to a new facility and needed to implement a conveyor system with structural support that could withstand extremely heavy loads.

### Objectives

- Support multi-level winding conveyor system
- Free up floorspace for racking/shelving and forklift traffic
- Streamline order picking process
- Create more efficient operations – from conveyor to truck



Custom designed Cubic Designs tri-level mezzanine supports multi-level conveyor system and heavy product loads.

**Industry:**  
Distribution

**Application:**  
Conveyor Support



Multi-level mezzanine supports conveyor system.

## Challenge

### Equip New Facility with Sound Structural Support for Conveyor System

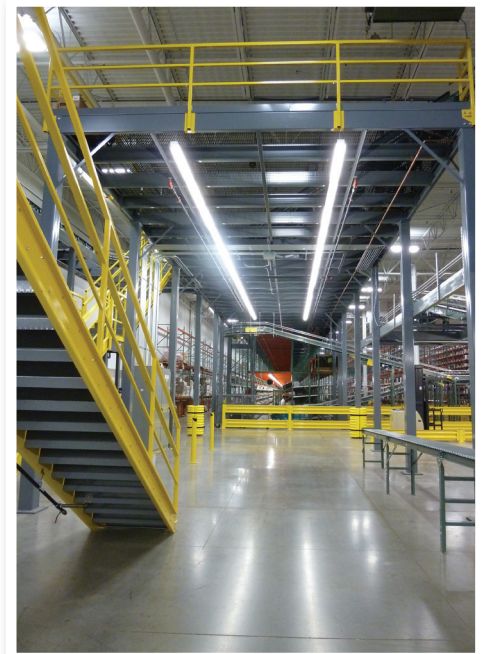
The Wisconsin division of Wirtz Beverage was faced with a few challenges when they moved into their new distribution facility.

In addition to multi-level shelving and racking, the company needed a complex conveyor system which previously consisted of three conveyor lines spreading across the entire plant floor. Wirtz needed to maximize floorspace all while employing multiple pick lines, so it was obvious to the Cubic Designs team that the previous set up wasn't the best use of space for the new facility.

## Solution

### Multi-Level, Multi-Elevation Mezzanine System for Conveyor Support

The Cubic Designs team determined the best way to accommodate the conveyor system was to suspend it overhead with the support of mezzanines, freeing up valuable floorspace. A survey of the space revealed the ceiling joists could not support the weight of the conveyor, heavy boxes and seasonal snow loads, so an alternate method of support was devised. The solution involved a pick mezzanine with multiple levels and elevations, custom designed to support the escalated conveyors and fit around its winding configuration. Columns were strategically placed to promote traffic flow and maximize support.



Pick mezzanine custom designed to support conveyor system and heavy loads.

## Results

### Reduced Cost of Operations Driven By Increased Distribution Efficiencies

The multi-level mezzanine system provided the superior strength and stability needed to support and suspend the conveyor system overhead which enabled more efficient product distribution within the plant- from the picking line to label scanning and onto the delivery truck. As a total package, the conveyors, supported by the mezzanines, helped to drive efficiencies during the picking process and streamline the shipment of orders, while maximizing floorspace and racking areas for increased storage and inventory organization. **For Wirtz Beverage, these efficiencies have reduced the overall cost of operations considerably and allowed for easy adaptability for future expansion.**