



## CUSTOM VERTICAL TRUNNION LABELING SYSTEM



### CHALLENGE

A large, multinational pharmaceutical company required variably printed labels to be wrap applied to cylindrical plastic vials at speeds up to 300 products per minute.

### SOLUTION

Label-Aire provided a turnkey system, which included the Model 2115CD mounted to a Vertical Trunnion Roller conveyor system. The vials are transferred into our guide rails from the customer's existing capper supported by the caps. Our single feedscrew assembly smoothly guides the vials into the vertical trunnion conveyor. Travelling vertically in the trunnion roller conveyor, the label is merge applied at the wrap assembly by a Model 2115CD (mounted on a horizontal gib slide for precision adjustment) loose-loop interfaced with a Zebra 140 XiII. The Vertical Trunnion Wrap Assembly eliminates any skew that can be introduced by product lean and minimizes product stability issues typically associated with high speed wrap applications. With multiple support columns, leveling pads, and variable speed capabilities, the 6" wide by 6' long main-frame conveyor system also incorporates a compact, variable speed wrap assembly, which smoothly rotates the product to ensure complete label adhesion. Also included is an encoder which automatically synchronizes the dispense speed of the 2115CD to changes in the wrap belt speed.

With a placement accuracy of +/- 1/32" and the ability to print and apply up to 300 labels per minute, this heavy-duty system not only met the customer's specifications, but far exceeded their expectations.