

Giant Platform Lift Integrates with Conveyor System for HVAC Manufacturer



The Challenge

York International, leading manufacturer of air conditioning equipment for both residential and commercial use wanted to increase efficiency and safety in their production line. They are moving large industrial sized air conditioning units down a production line and have to add different components to the units at varying heights, with the final process of installing the lid on top of the large commercial air conditioning units. They wanted to invest in a material handling lift that could help them adjust the units to proper working heights and also add a conveyor to the platform to help move the units down the line more efficiently.

The Autoquip Solution

Autoquip was contracted to design the material handling equipment for their production line. The lift equipment includes (4) Super Titan Lifts that can be bolted together onsite for ease of shipping and installation. The entire platform lift measures 583 inches long which allows the customer to use the lift for several different size AC units in their production line. The lift is installed in a pit and can be lowered for final installation of the AC Lid making it easier on the workers. The lift is powered with (4) individual power units for synchronization accuracy, and the control panel contains a programmable logic controller (PLC) and an HMI Screen that are used to control and monitor the entire system.



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The Solution Benefits

With our engineering ingenuity we created a lift system to meet the heavy-duty production line requirements for this HVAC manufacturer. And, because the lift system includes (4) separate lifts that can be bolted together for one giant platform lift, it provided a more adaptable solution for installing the lift onsite. We have extensive experience building lift systems that include multiple scissor lift units to work as one unit, and to operate with one control panel that is designed for synchronizing each individual piece of equipment.