



PENTALIFT EQUIPMENT CORPORATION

Engineered For Safety

Application Designed: Pentalift 7DL75485 Dual Pro Series Lift Table with “U Shaped” Platform.

An automobile assembly plant contacted Pentalift with a unique design request. Components were arriving at the assembly plant in “U” shaped racks. The rack design allowed the assembler to walk into the rack and remove the components. There are 6 layers of components in each rack. For ease of ergonomic removal Pentalift manufactured a “U” shaped lift table. With the rack safely positioned on the lift table the lift table raised the rack, positioning the lowest layer of components at a comfortable height for removal. When all of the components were removed from the lower tray the lift table was lowered until the second lowest layer of components was at a comfortable height for removal. This process was repeated until all components were removed. The lift table has a 7” lowered height, 36” of lift travel. The lifting capacity is 1,000 lbs. The “U” shaped deck assembly is 75” wide overall and 48” deep, 2 sets of leg assemblies under a common platform stabilized the load and are mechanically tied together to assure even lifting and lowering. Based on the availability of compressed air and the desire to eliminate electric components in this application, a 60 CFM @ 90 PSI air motor power unit was provided. The lift is controlled and operated through hand lever controls. The initial project was so successful that a second lift (shown) was ordered.



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