

Engineered For Safety

Application Designed: 13.5PDDSL721026 Portable Dual Double Scissor Lift Table

An automotive Tier 1 supplier of fuel systems contacted Pentalift to assist with a unique application. This company manufactures injection molded fuel cells and changes molds according to production runs. The work area was very restricted requiring a portable lift table to assist in the mold changes. The lift table shown is a portable dual scissor lift table that has the capacity of 6000 lbs. The low height of the table is 13.5" and the table has a vertical travel of 90" and a raised height of 103.5". The lift table has a platform size of 72" wide by 102" long equipped with a checkered platform for better traction and has 42" high guard rails around the equipment to keep the personnel safely inside the equipment. The equipment is also equipped with a 30" wide guard gate that swings inward only. When the gate is opened it will stop any operation of the lift table.





A drilled and tapped plate is welded to the lift table to accommodate a customer supplied fixture (photo above). The plate and the fixture are positioned on an angle that lines up with the mold. A dual wide lift table was designed to accommodate the diagonal movement of the fixture on to the lift platform. Based on the weight of the lift table and its 6,000 lbs. lifting capacity a structural sub frame was designed (lower right photo). Dual lower frame rollers were provided for ease of lift table movement and final positioning. To provide the required lift speed a 460/3/60. 5HP Power unit was supplied and installed on a frame extension (top right photo). All electrical incoming power festooning was customer supplied.



PENTALIFT EQUIPMENT CORPORATION

P O Box 1510 Buffalo NY U.S.A. 14240-1510

P O Box 1060 Guelph ON Canada N1H 6N1

Website: www.pentalift.com

Phone (519) 763-3625 Fax (519) 763-2894

Phone (519) 763-3625 Fax (519) 763-2894

Email: lift@pentalift.com