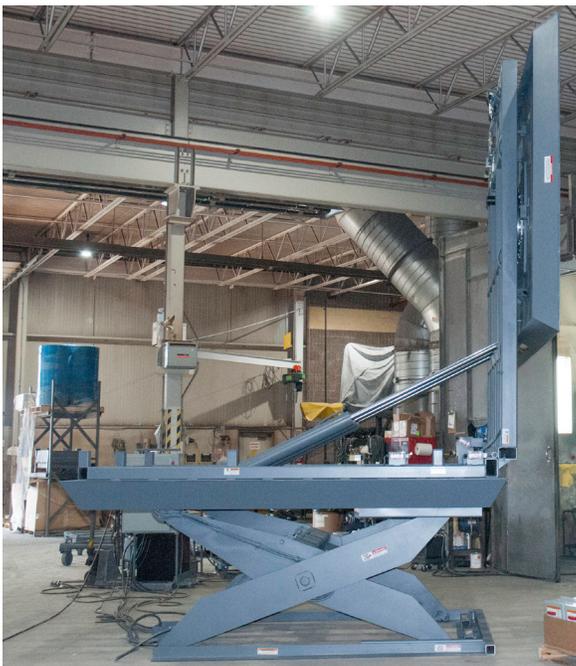


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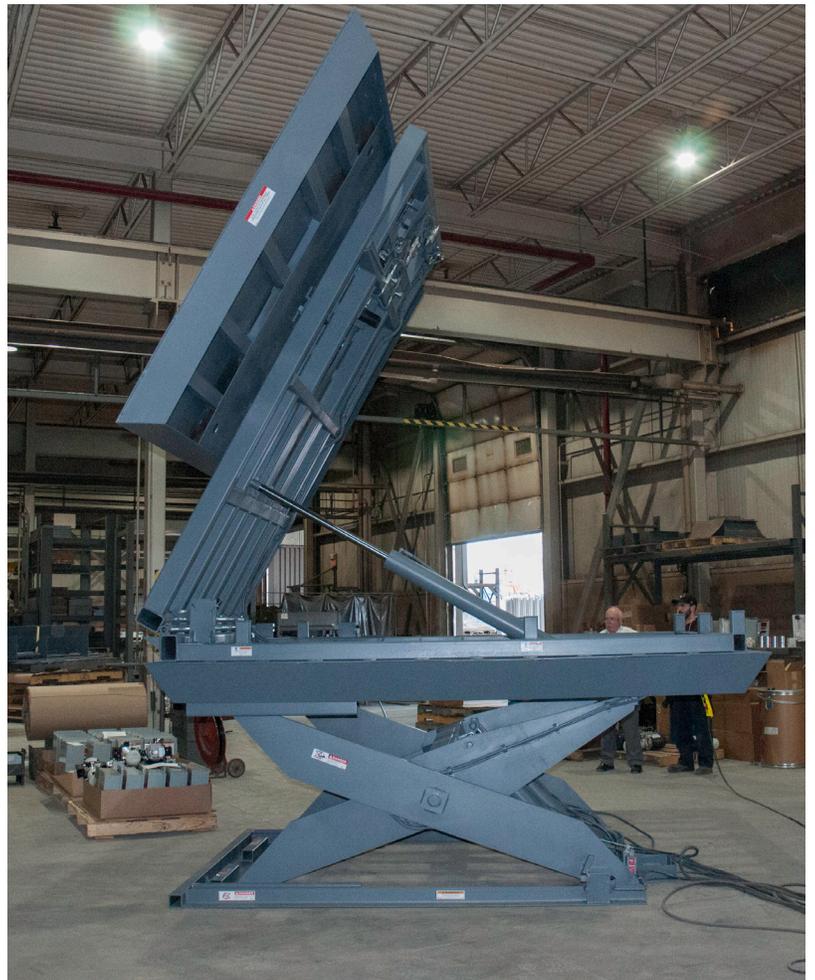
Application Designed: 43.3PWRTTL9217620 Lift, Tilt, and Rotate Table

An internationally known power sports company expanding into commercial military vehicles contacted Pentalift to try and come up with a solution to their problem. The qualification program called for load testing of suspension components, roll over, fuel pick up, and power train lubrication. The customer initially spoke with Pentalift sales representative to explain the scope of the project. Both parties quickly realized the scope was within Pentalift's capabilities and the design and engineering capabilities met the customer's objectives. The basic purpose of the equipment they inquired about was to raise, rotate, and tilt their wheeled equipment during the equipment design and testing stages. As the program progressed the Pentalift engineering department played a significant role in finalizing the design and gaining the customers confidence.





The order was placed, approval drawings prepared and submitted for review and discussion prior to construction. Once finalized the order was put into production. The lift, tilt, and rotate table has a platform size of 92" wide x 178" long equipped with bevel toe guards to suit pit installation. The rotating top is bidirectional with full 360 degree rotation that also features a custom slew ring with a hydraulic brake to insure the platform does not rotate during the lift or tilt operation. The tilt platform tilts up to 90 degrees and always tilts over the rolling end (leg rollers) of the lift table for maximum stability. The lift, rotate, and tilt capacity is 10,000 lbs throughout its full operating range. In this particular application the customer will tilt the full 10,000 lbs load up to 60 degree and 3,000 lbs from 60 degree to 90 degree. The tilt feature has a pressure compensated flow diverter to provide variable speed of tilting. The power unit is a remote 5 horse power double acting hydraulic system operated by a custom 7 button control pendant.



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