Aircraft Engine Test Cell Lift Platform

Features and Benefits
Design/Engineered to best position personnel and components during Assembly and Test Operations

60 HP Pumping Unit assures quick positioning of Operator Lift Platform

Industry Group: Lift Manufacturers Product Section (LMPS)

A major International Manufacturer of Jet Aircraft Engines required assistance in the design and implementation of a specialized Lift Platform. The Lift Platform operation and design was based upon the need to position personnel, components and test equipment at a wide range of various elevated work heights. The Environment for the variable work heights was within an Aircraft Engine Test facility.

Platform design features four individual sections; each section utilizes a double scissor lift mechanism that is capable of achieving 18’ of elevation.

The modular design provided for ease of transportation of the Lift Platform to the Test Cell and ease of final assembly on site. The deck structure of the Lift Platform, as well as the individual scissor assemblies provide a safe, stable work surface for the operators regardless of elevation height.

Powered by a 60 horsepower pumping unit, controlled from the deck, the Lift Platform is quickly positioned at any height. The speed and flexibility allows the operators to perform a wide range of tasks at a comfortable, safe and most ergonomically correct position. The overall working area of the Lift Platform measures 26’x40’ and incorporates removable aluminum safety rails.
As justified, the successful installation and operation of this Design/Engineered Lift Platform has improved safety, efficiency and productivity at the Jet Engine Test Facility.

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