Autoquip®

End-of-Saw Lift Table

The Challenge

A metal fabricator wanted to improve employee ergonomics and workstation efficiency during pallet build-up of sawed parts. Worker productivity was suffering due to poor ergonomics at the saw as the operator was forced to load a fixed height table with sawed parts, and then call a fork truck to remove a full pallet. Customer was requesting a material handling solution that would improve workstation ergonomics, and subsequently improve efficiency and throughput.

The Autoquip Solution

Pallet build-up workstations are benefited most from a solution that provides the operator incremental adjustments in elevation. A hydraulic lift was recommended as the most cost-efficient method of providing adjustments in elevation in order to always keep the top layer of product being loaded/unloaded at an optimum, ergonomic work height. Autoquip also recommended that the lift be made portable so that it could be moved easily and positioned at the end of any number of saw stations. The customer is completely satisfied with this workstation improvement, and worker productivity has been measurably higher as a result of keeping the work within the ergonomic “power zone” of the workers at the saws.

Lift Specifications for this Sawing Application:

Lift/Turn Capacity: 6,000 lbs.

Vertical Travel: 36″

Platform: 30″ x 48″

Actuation: Hydraulic

The Solution Benefits

Through the addition of a hydraulic lift at the end of this saw, pallet-building efficiency has been improved and employee exposure to back injury has decreased.