

Load Cell Lift System Weighs Stacked Drilling Pipe



The Challenge

A developer of heavyweight drill pipe were using an overhead crane to feed pipe into a heat treatment oven, but were facing problems overloading the crane. They needed a solution to weigh accumulated stack of pipe before using the crane and contacted Autoquip for a solution.

The Autoquip Solution

Autoquip's engineers designed a load cell lift system consisting of 3 Super Titan Scissor Lifts with scales positioned under each base frame. Pipes are rolled onto lift 1 and 2, or all 3 subject to size requirements. Load cells provide a digital read out of the combined weight.

Specifications for each lift:

Model: 60KK24

Capacity: 44,000 lbs.

Platform: 52"W X 94"L Smooth Steel

Travel: 60"



Controls: Push-Button with selector switch for lift 1 and 2, or all 3.

Order #129525, Part #9SPI-32051-1

The Solution Benefits

The load cell lift system will help the customer eliminate risks of overloading the crane and enables them to gradually stack the pipe for treatment preparation.