

Prepared For :
Rite-Hite Corporation

The logo for ASE systems is centered in the upper half of the page. It features the letters 'ASE' in a large, white, sans-serif font, with the word 'systems' in a smaller, white, lowercase sans-serif font directly below it. The text is set against a circular gradient background that transitions from a light blue at the top to a darker blue at the bottom. This circle is surrounded by a larger, teal-colored circular shape that has a white, curved cutout on its right side, creating a dynamic, layered effect.

ASE
systems

Case Study

LIFTING ROLLS HORIZONTALLY OF
VARYING LENGTHS UP TO 500-LBS

Load Specifications

- Load Type: Vinyl Rolls
- Weight: Up to 500 LBS
- Roll Diameter: 15”
- Roll Widths: 58”-90”
- ID: 3”

Application Analysis

- Pick Up Point: Horizontal from a pallet
- Rotation: N/A
- Place Point: Horizontal on a table

Handling Issues

Rite-Hite was using an old pneumatic hoist-based roll lifter with probe tooling for horizontal lifting. They had recently added longer rolls which needed an upgraded unit with a longer probe for easily handling the heavier, longer rolls.

The Solution

ASE proposed a hoist based pneumatic C-shaped fixed probe tool with a powered center of gravity shift to adjust from short rolls to long rolls. ASE also included integration of the clients existing hoist pendant controls; this allowed for increased ergonomics and ease of use, making the handling process more user friendly for their operators. The customer was so happy with the capability of the unit, they purchased a second one for the output side of their production process.



Key Technologies

Hoist Based Pneumatic C-shaped Fixed Probe Tool

<https://www.asesystems.com/roll-handling/hoist/>

