

Prepared For :  
**United Envelope**

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 circular element is surrounded by a larger, teal-colored shape that curves around the top and right sides of the page.

**ASE**  
systems

# Case Study

MOVING AND PRECISELY  
POSITIONING 1500-LB ROLLS  
SAFELY AND EASILY



## Load Specifications

- Load Type: Paper Rolls
- Weight- 1,500-LBS Each
- Diameter- 60”
- Width- 14”

## Application Analysis

Paper rolls have to be manually moved, aligned, and loaded into production machines multiple times a day.

## Handling Issues

Moving the 1,500 LBS paper rolls several times a day requires a significant amount of effort and manual labor to accomplish the handling task. United Envelope needed an easier way to move and properly align their rolls into the production machines.

## The Solution

ASE specified one of our air caster roll movers to easily move the client's paper rolls. Air Caster technology allows the load to literally float on a film of compressed air which provides the highest ergonomic value in the market today. Each air caster roll mover is built to the client's roll specifications and makes it possible to not only move all kinds of heavy rolls but also coils, reels and other round loads regardless of the size. Air caster systems require a smooth non-porous surface like trowled concrete that is sealed to operate at optimal efficiency. The air caster roll mover can be equipped with power drive systems, guide wheel assemblies, remote controls, adjustable forks all designed to increase productivity and enhance the ergonomic value. Standard unit capacities range from 500-lbs to 12,000-lbs with custom builds available for higher capacities.

# Key Technologies

- Air Caster Roll Mover:

<https://www.asesystems.com/roll-handling/floor/reel-coil/>

- Power Drive Systems

<https://www.asesystems.com/air-casters/air-powered-drive-units/>

- Guide Wheel Assemblies

<https://www.asesystems.com/air-casters/load-module-rigging-systems/guide-wheel-assemblies/>

