

Prepared For :
Weston Foods

The logo for ASE systems is centered in the upper half of the page. It features the word "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 thick, teal-colored ring that curves around the top and right sides of the page.

ASE
systems

Case Study

LIFTING AND ROTATING LARGE
PLASTIC ROLLS WITH EASE



Load Specifications

- Load Type: Plastic Rolls
- Weight: 145 lbs
- Size: Diameter - 18” Width- 22” ID- 3”

Application Analysis

Key Points:

- Pick up point- from a pallet, roll in vertical orientation standing 48” high
- Rotate - 90°
- Place point- horizontal onto a dolly at 5”
- Area of coverage- 6-8’
- Cycle time- 5/hr.

Handling Issues

The handling procedure was being completed by hand manually which was causing safety issues. Additionally, heavier rolls would require 2 workers to accomplish the task, decreasing productivity.

The Solution

When considering the load weight and cycle time, ASE specified an ERH-200 portable, semi-powered floor-based Roll handler. The unit is designed to be manually pushed and included powered lift & manual turn functions. This light-weight unit is easy to move and grips the roll by the core, by way of an expanding mandrel with fail-safe spring force grippers. Once the expanding mandrel is inserted into the roll, the operator is then able to lift and turn it 90° so the roll can be placed eye to the horizon onto a portable dolly (designed for roll handling) which we also specified for the size and weight of their rolls. We included a handle bar and floor locks for functionality & safety. Weston Foods was able to eliminate the use of multiple workers by implementing the ERH-200 roll handling device which allowed them to achieve their goals and add ergonomics and safety to their roll handling process.



281-256-7450

Key Technologies

- ERH-200 portable, semi-powered floor-based Roll handler
 - <https://www.asesystems.com/roll-handling/floor/hydraulic-handlers>

Some of the standard features on the ERH-200 include:

- Quiet 2-Speed Drive
- Lightweight Construction
- Micro-movement Control
- Quick-Change Battery Box
- Quick-Change Tooling Mount
- Battery-Charge Meter
- Manual Grip Tooling.