

Prepared For :
Toyota Lift Northwest

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 blue circular background that has a gradient from light blue at the top to a darker blue at the bottom. This circle is surrounded by a larger, teal-colored circular shape that also has a gradient, creating a layered effect.

ASE
systems

Case Study

LIFT AND PLACE PLASTIC
SHEETS OF VARYING SIZE AND
WIEGHT

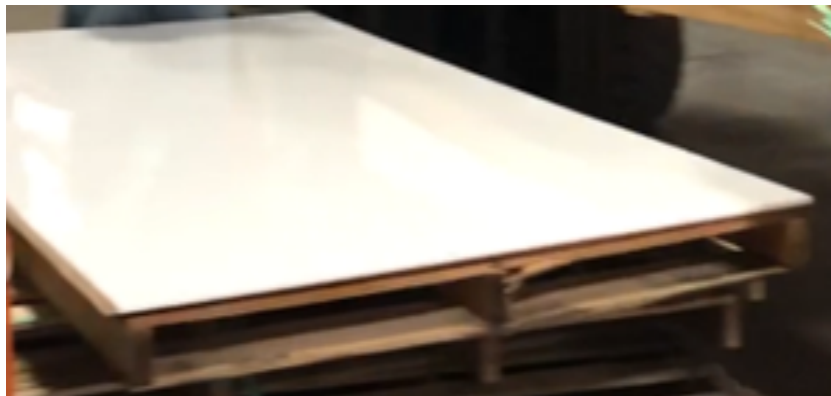
Load Specifications

- Load Type: PE/UHMW/GEP Plastic sheets
- Weight: 50 - 800 LBS

Application Analysis

Lift plastic sheets, sliding them onto a skid and then move to a storage area.

- Load- PE/UHMW/GEP plastic sheets
- Weight- 50 - 800-lbs each
- Surface texture- smooth
- Length- 48" – 156"
- Width- 24" – 60"
- Thickness- .25" – 6"



Handling Issues

Due to the varying sizes and weights of these plastic sheets it took two or more operators to accomplish this handling task.

The Solution

ASE specified an electric powered vacuum lifter which includes a lifting frame with 8 adjustable pads on crossarms to easily accommodate the client's large selection of sizes of their plastic sheets. Vacuum lifting technology allows a single operator to handle the load repetitively in an ergonomic and productive manner. These lifters are ideally suited for gripping smooth non porous loads made of metal, plastic, glass or any similar load that is smooth and non-porous. Standard and custom vacuum lifters are available powered by electrical, mechanical and air powered vacuum pumps and are available in capacities up to 40,000-lbs or more depending on your needs. Features include ergonomic controls, vacuum gauges that verify a safe grip, ergonomic front handle bar, power loss safety technology and more.

Key Technologies

Electric Powered Vacuum Lifter:

<https://asesystems.com/vacuum-lifters/electric-vacuum-lifter/>

