

Mt. Vernon, IN



Features

Date Installed: 2004
Vehicle Types: Hydraulic Fork Lift
with rack and pinion Traverse (3 at Crystalline)
Counterbalance Hydraulic Lift (2 at Lexan)
Counterbalance Lift with Pantograph (2 at Lexan)
Number of Vehicles: 7 Total
Load Description: Pallets of Bags of Pellets or Boxes of Pellets
Pallets of Empty Pallets
Industry Description: Plastic Processing
Guidance Method: Laser Navigation
Vehicle Capacity
Traversing Fork: 4000 lbs/ **1818 kg**
Counterbalance: 2200 lbs/ **1000 kg**
Vehicle Lift Height Fork: 167.5 in/ **4254 mm** maximum
Counterbalance: 136.5 in/ **3467.1 mm** max.
Vehicle Speed: 1.5 m/second
SGV Host Controls: Windows XP
SGV Manager
Battery Charging Method: Opportunity Charging
Throughput: 45 transports per hour at Lexan

*Hydraulic Fork
SGVs with rack and
pinion Traverse are
used at GE
Crystalline*



*Counterbalance
SGVs with
pantograph
forks are used
at GE Lexan*



Description

GE Lexan and GE Crystalline Manufacturing

In two facilities in Mt. Vernon Indiana, the SGV systems carries plastic pellets in boxes or bags on pallets from production lines to the shipping dock. Conveyor stand sensors monitored by plant PLC networks communicate with SGV Manager to initiate load movement requests.

Full pallets of finished product are transported from output conveyors on each production line to the shipping dock area by traversing lift or counterbalance lift vehicles.

Benefits

- Significantly Reduce Pallet and Product Damage
- No plant interruptions during installation
- Flexible solution for plant's changing production demands
- Safe, reliable and timely delivery of finished product

