

THE PERFECT FIT
FOR YOUR
TOUGHEST JOBS

A CUSTOM

CART & LOADING SYSTEM

TO FACILITATE DELIVERY

DELIVERING REAL RETURNS

A delivery fleet reached out to Ranger Design in search of a design that would optimize loading space within their building and increase efficiency of the entire loading operation.

RANGERTM
DESIGN

Objectives



SPACE OPTIMIZATION

- › Reduce loading space
- › Increase capacity of current loading area



INCREASED SAVINGS

- › Increase monetary savings
- › Reduce loading time by 50%



INCREASED EFFICIENCY

- › Implement rolling carts
- › Accelerate the loading system

Solution

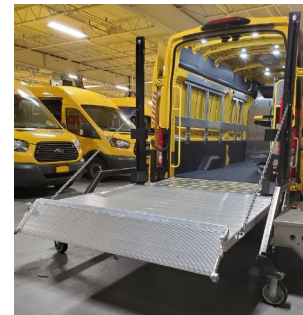
- › Rolling carts to allow vans to be loaded directly off the conveyor belt, increasing the loading capacity of the facility
- › Three systems that can quickly load the carts into the vans:

The Lift Truck. A hydraulic lift that picks up each individual cart and places it in the van

The Direct Lift. Carts are loaded onto the platform and raised to the desired height of the vehicle or loading dock

The Loading Dock. A platform that allows multiple vans to be loaded simultaneously

- › Once the carts are in the van they are manually locked in place to horizontal mounting tracks in the wall for safe transportation



The Direct Lift



The Loading Dock



The Lift Truck

Challenges

Space constraints and increased package volume: Our customer was faced with the problem of not having enough space to load all their vans simultaneously inside their facility at the conveyor belt. By utilizing rolling carts this allows the carts to be placed at the belt and loaded directly. Once the carts are full they can be rolled to the vans and loaded. This saves purchasing a longer belt or leasing a larger facility, saving hundreds of thousands of dollars.

Loading time: With the old method of loading vans, the carrier is double handling packages and parcels. However, with a rolling cart, the packages are handled once and the cart is latched in the vehicle, cutting the loading time in half for each vehicle.

FLEET SERVICES

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