

## Modular Rack Handling System: Index Shuttle Conveyor



### APPLICATION:

An Airfloat customer needed a system designed to maintain a continuous flow of empty racks to one operator load station for ergonomic part loading.

### SOLUTION:

Airfloat designed and manufactured an indexing shuttle conveyor, configured in a rectangular arrangement of nine rack spaces in two rows. The rack flow through the system is in a clockwise direction with movement provided by roller chain transfer rails. The operator load station is located at the center rack position on the side with lift truck access at the first positions on the incoming and outgoing lines.

### BENEFITS:

- Modular construction allows for easy drop-in installation and the ability to readily expand the system on the floor.
- No floor excavation or preparation required.
- Transfer mechanism reduces flowability problems related to poor rack condition.
- Large rack que capability allows system to run a full shift before resupplying empty racks.