

Food Processing Application



Description

The FMC Technologies Self Guided Vehicle System provides a Solution to material handling control and reduction of material damage.

Three FMCTI Reach Laser Guided vehicles automatically handle pallets between:

- 2 Conveyors with stacks of empty pallets
- 2 lanes of interlayer pallets
- 4 palletizers
- 1 stretch wrapper

Calls for SGV pickup are generated by the palletizer, one signal per pallet type. This plant has four palletizers, each palletizer has two empty pallet input conveyors. There are three types of empty pallets used at Kraft Food, FMCTI supplies three conveyors that are manually loaded by lift trucks with stacks of empty pallets. Stacks of empty pallets are then conveyed to an output position where they can be collected by the SGV.

Features

Date Installed:	2002
Vehicle Type:	Hydraulic Reach Lift
Number of Vehicles:	3
Load Description:	Pallets of Food, Empty Pallets
Industry Description:	Food Processing, Warehouse
Guidance Method:	Laser Navigation
Vehicle Capacity:	1600 kg at 630 mm load center
SGV Host Controls:	Windows 2000 – SGV Manager
Battery Charging Method:	Opportunity Charging
Guidepath Length:	200 m (650 feet)

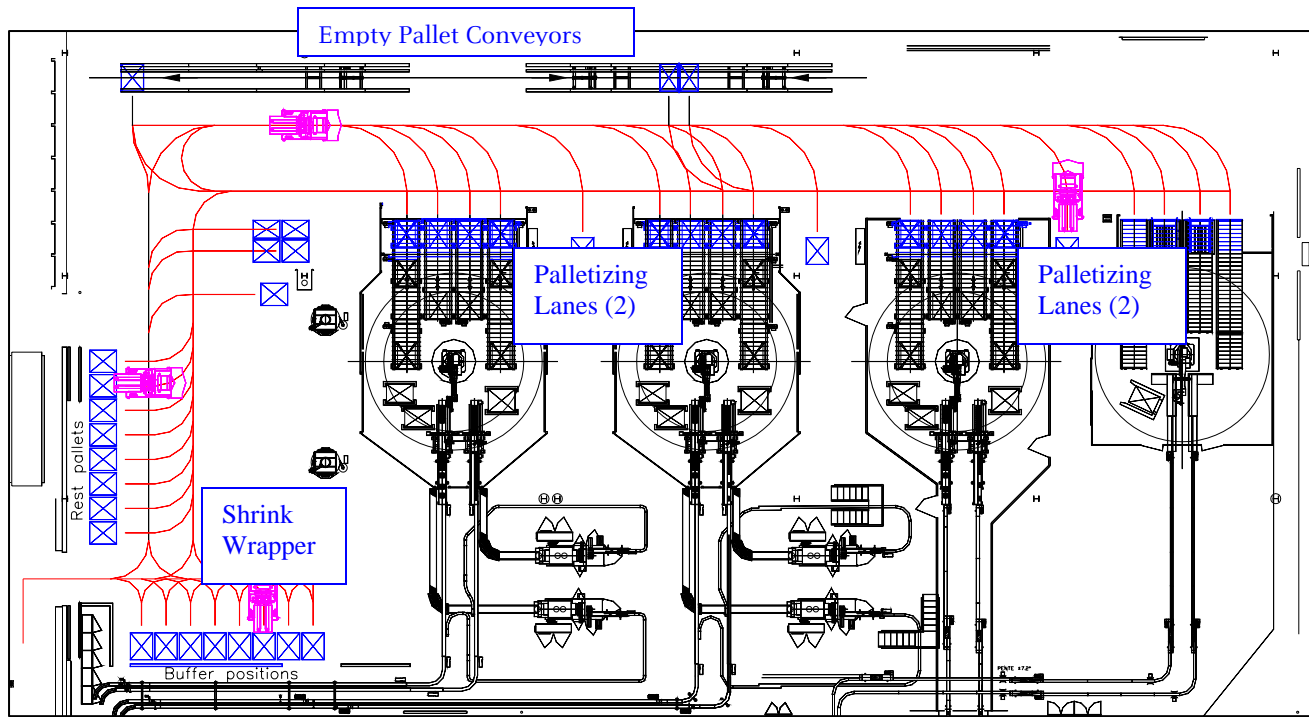


Palletizer Conveyor Pickup

Benefits

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

Plant Layout



Empty Pallet
Pickup conveyor



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