



## Automatic Batch Retort

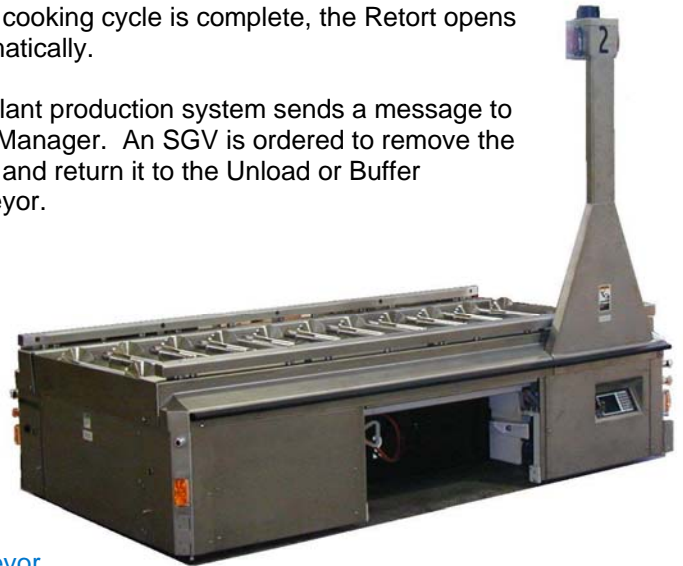


### Description

Pallets of food in small containers are delivered from staging Conveyors to Retorts for high temperature cooking.

Once cooking cycle is complete, the Retort opens automatically.

The plant production system sends a message to SGV Manager. An SGV is ordered to remove the pallet and return it to the Unload or Buffer conveyor.



### Features:

Date Installed:	2002
Vehicle Type:	Conveyor Roller Deck
Number of Vehicles:	2
Application Description:	Pallet Handling to/from conveyor
Industry Description:	Food Processing
Load Description:	1700 kg (3740 lbs) in two pallets
Host Platform:	PC with Windows NT
SGV Safety Features:	Bumpers, Emergency Stop buttons, Strobes, Warning Horn
Vehicle Attachment:	Motorized Conveyor Deck
Guidance Method:	Laser
Vehicle Load Capacity:	4000 lbs.

### Additional Features

- Fully automatic operation
- 4,000 lb. Capacity
- Dual load handling
- Wash-down capability
- Tight turning radius
- 360° personnel protection
- Full-function manual mode
- Stainless steel components
- Superior serviceability

### Benefits

- No Product/Conveyor Damage
- No Plant Damage
- Improve Plant Safety
- Improve Plant Productivity
- Reduce Plant Operating Cost
- Paths Can Be Easily Changed

## How the SGV2000 System Works

# 1



### SGV Manager (Server)

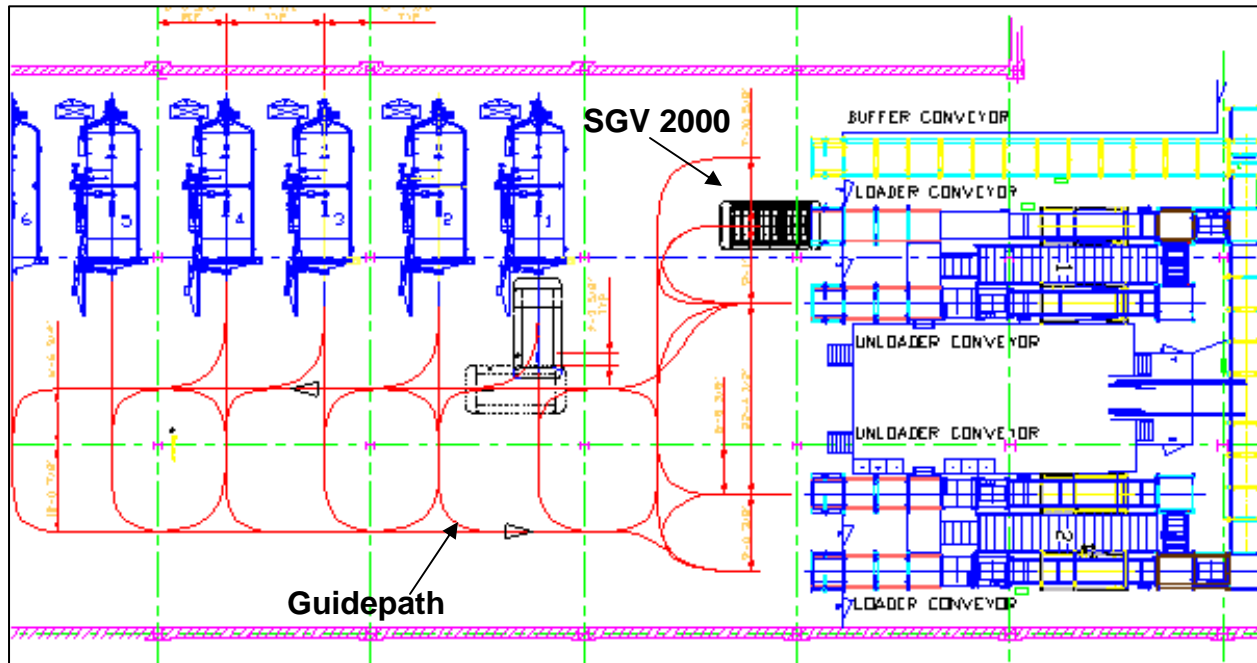
- Automatically Receives Work Request from Plant System
- Assigns Work to SGV2000
- Interfaces with Plant Equipment
- Traffic Control for SGV2000s

# 2



### RF Modem

- Communicates Work Order to SGV2000
- Communicates with Handheld Terminal to receive orders



# 3

### SGV2000 Self-Guided Vehicle

- Receives Work Order from RF Modem
- Moves Load per instructions from SGV Manager
- Navigates through plant via Laser Guidance



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