

# AFA Systems

Packaging Automation

## TL-PFG - Fanuc Delta 3 Robotic Top Load Case Packer



The TL-PFG utilizes dual Fanuc M-3iA Pick and Place Robots to top load product into opened cases. The system can integrate with a wide range of upstream equipment including vertical form fill seal systems, horizontal flow wrappers, as well as bottle and pouch filling systems. Typical product applications include bottles, bags of product, pouches, sachets, cans, and flow wrap packages. The TL-PFG integrates with an upstream case erector. The TL-PFG uses a flighted conveyor to direct the case into the correct position for top loading. An iRVision system is integrated with an upstream conveyor which detects the position of the product. Heavy duty rugged construction designed for durability, reliability and 24/7 operation.

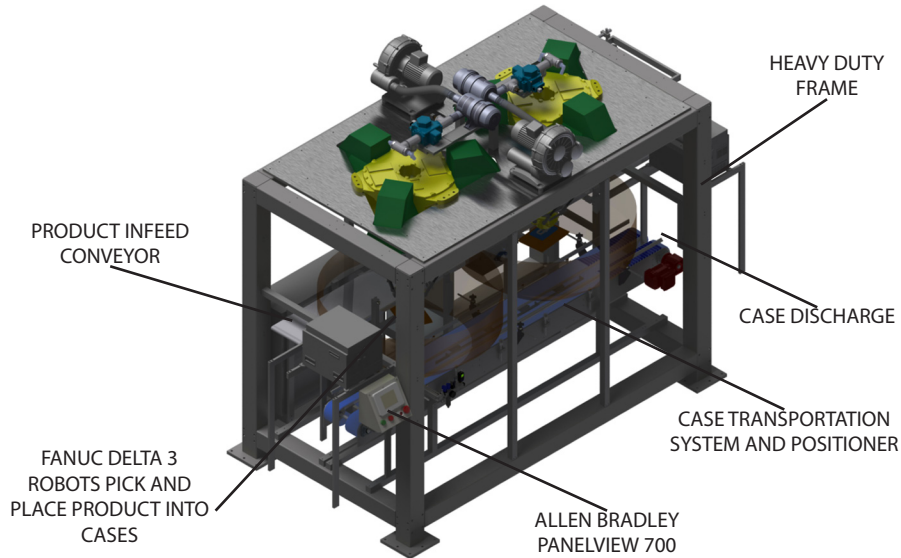
### Features

- » Laser cut components for optimal precision
- » Allen Bradley CompactLogix Control System
- » Gentle product handling to prevent damage
- » Furnished to comply with Nema 12 ratings
- » NO CASE/NO LOAD system in place
- » Heavy duty frame ensures non-stop operation
- » Minimal floor space used
- » All safety requirements included on this case packer
- » Full guarding with safety interlocks
- » The TL-PFG can reach speeds of over 100 ppm



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## Typical Floor Plan



## Key Components



Fanuc Delta 3 Robots accurately top loads product into cases. Delta 3 Robot is programmed and set up to eliminate any product damage.



Allen Bradley CompactLogix PLC and PanelView 700 ensures accurate troubleshooting and fault diagnostics as well as operator friendly HMI screens.



Servo Driven lugged infeed conveyor positions cases so the Fanuc Delta 3 robots can perform the top loading processes.

## Case Size Range

Standard		L	W	D
Size Ranges (Inches)	min.	6	6	6
	max.	20	20	20

\* If size outside case size range please check with AFA Representative



## Process

