

# MONTROSE TECHNOLOGIES INC.

## AutoLaner

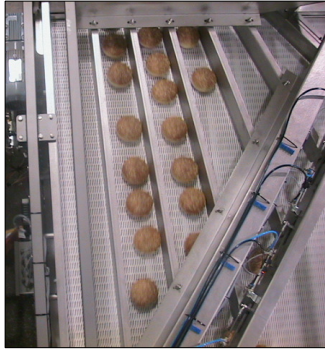
### Automated Bun Laning System

#### System Description

The AutoLaner is a series of controlled lanes that automatically divides a randomly distributed product stream equally into multiple lanes (typically 4 or 6).

The AutoLaner is designed to be installed downstream from a CSXX/IL 100% Inspection System. Combining these 2 units automates the supply of a continuous stream of inspected and evenly laned products to packing equipment.

Products enter the AutoLaner randomly and are spread across the laning conveyor in a random pattern. A series of automatic product gates move products to each lane without jamming. Once inside the lanes, the flow of each lane is metered so that a precise number of objects is fed to downstream equipment (typically the slicer). Metering the outflow of individual pieces is performed using a combination of sensors and a high-speed controller to dynamically control the gates.



The entire system is normally installed immediately before the slicer/indexer, and simply replaces a section of existing conveyor.



#### Key Benefits:

- *Automatically feeds equal number of product to each lane*
- *Eliminates the need for manual laning normally required in packaging*
- *Ensures constant, monitored and regulated flow into packaging equipment*
- *Reduces product handling*
- *Can dramatically improve switchovers and film changes by allowing for a controlled, logical control of overall product flow*
- *Adjustable and removable lanes allow flexibility in flow management for various product sizes including a variety of non-circular products*
- *Handles at least 150 pieces per minute per lane (4 lane=600ppm, 6 lane=900ppm, 2\* 4 lanes = 1200ppm, etc.)*
- *Customized AutoLaners available*

#### System Features

Each AutoLaner can be installed directly in-line with production conveyors, and includes:

- Laning conveyor, with adjustable and removable lane guides
- System PLC, enclosure and product flow sensors
- Adjustable stand
- Manual conveyor start/stop and speed adjustment
- External relays and inputs for integration into existing plant conveyor controls
- NEMA4, 4X and 4X caustic wash down compliance

## System Specifications

### Physical:

Height:	36-54" (from floor)
Length:	90" (4 lane); 118" (6 lane)
Width:	70" (4 lane); 88" (6 lane)

### Environmental:

Max. Temp.:	50° C (122° F)
Min. Temp:	5° C (40° F)
Humidity:	5% to 95% (non- condensing)
Power:	5A @ 480VAC/60Hz
Plant Air:	10 cfm @ 80 psig (typical)

## Ordering Information

AutoLaner Systems:	AutoLaner-4 (4 lane)
	AutoLaner-6 (6 lane)
	Custom Autolaner solutions

## System Drawings

