

AutoLaner™

Automated Bun Laning System



Laning and Balancing

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 an MT-Series 100% Inspection System. Combining these two 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 numbers of product each time reducing product handling
- Eliminates the need for manual laning normally required in packaging
- Ensures constant monitored and regulated flow into packaging equipment
- Can dramatically improve switchovers and film changes by allowing for a logical control of overall product flow
- Adjustable and removable lanes allow flexibility in flow management for various product sizes including non-circular products

System Features:

- Laning conveyor with adjustable and removable lane guides. Fully customizable.
- 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

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