



**SIMPLIMATIC**  
AUTOMATION

**OPTITRAK<sup>®</sup>**

*OPTICAL TRAY HANDLING SYSTEMS*



*experience*

*energy*

*enthusiasm*



## Why Automate?

- » Lower Labor Costs
- » Reduce Scrap
- » Increase Utilization and Reduce WP
- » Convey Single or Double Trays



## Local Company, Global Experience

Simplimatic Automation, based in Lynchburg Virginia, provides conveyor and automation products to over forty Fortune 500 companies in the semiconductor, electronics, automated prescription fulfillment, packaging and optical lab industries. Let our experience work for you.



## Full Design, Installation, and Integration Service

Our Virginia-based engineering staff is available to design small automation devices or complete custom conveyor systems and control networks, including paperless RFID systems. We will be happy to work as a general contractor and our in-house installers will ensure your entire line is installed and operates as expected.



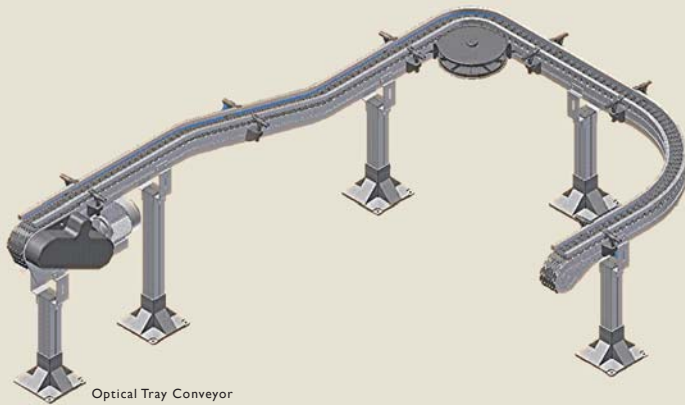
## Free Consultation and Layouts

At no cost to you, our experienced sales and project managers will help you optimize your factory layout and provide detailed line drawings. We will recommend cost effective solutions whether your goal is light automation or producing 5000 optical jobs per day.



# Optitrak™ Optical Tray Handling Systems

## Enjoy Complete Flexibility in Your Factory Layout



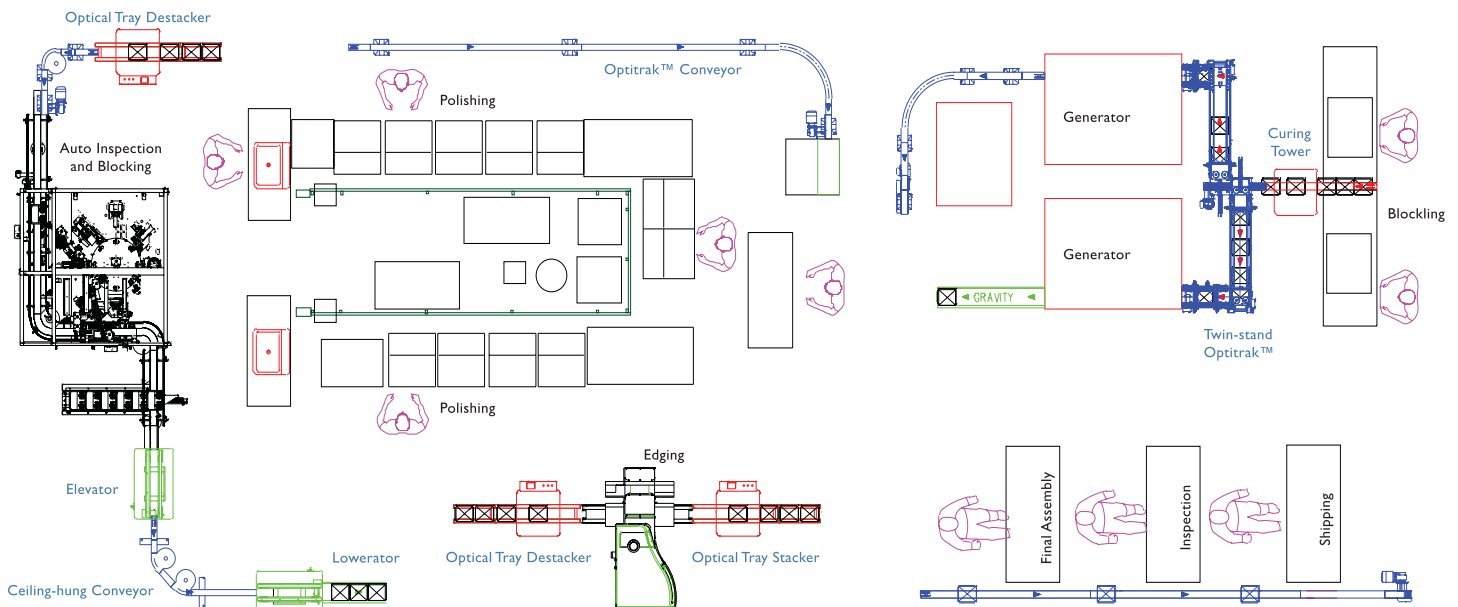
Optical Tray Conveyor

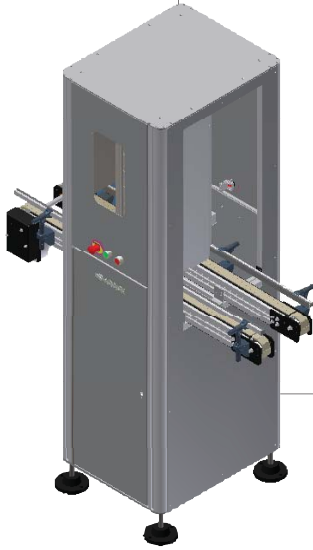
### Modular Optical Tray Conveyor

Our base Optitrak™ Optical Tray Conveyor is the most cost effective method of joining manufacturing processes in your facility. The aluminum-based, side-flexing table top conveyor is ideally suited for conveying optical trays and can be easily reconfigured with simple hand tools as the needs of your factory change—no welding or drilling required.

The most popular Optitrak™ conveyor components include:

- Modular drive and idle ends
- Wheel turns and horizontal bends
- Incline and decline sections
- Pedestal feet and ceiling-hung supports
- RFID integration



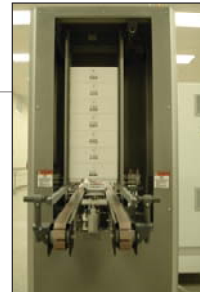


Stackers and Destackers

## Reduce Lens Damage and Lower Labor Costs

### Optical Tray Stackers and Destackers

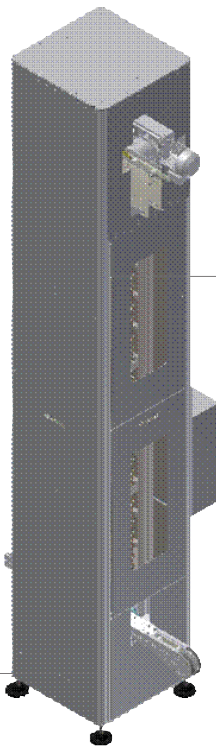
Our Optitrak™ Tray Handlers automatically load or unload batches of ten trays at the beginning and end of your process cells. Simply load a stack of ten trays onto the ergonomically friendly infeed conveyor and our Optitrak™ tray destacker will singulate trays and deliver them to your next process smoothly and reliably. Likewise, our Tray Stacker will automatically stack individual trays and discharge a stack of ten. The fully-enclosed unit features easy-to-use operator controls, hinged access doors, and a small 24" x 48" footprint.



## Free Up Floor Space

### Optical Tray Elevator and Lowerators

Go vertical with our Optitrak™ Tray Elevators and Lowerators. Elevate your conveyor and connect your surfacing area to your finishing area without eating up valuable factory floor space. Our flighted elevators will quickly and smoothly raise or lower your trays to an overhead conveyor section, while keeping your WIP in continuous flow. A small 24" x 24" footprint is easily accommodated in most factory layouts.



Elevators and Lowerators

### Tray Diverts

Pneumatic tray diverts are used to merge or split multiple traffic lanes into one or one lane into multiple.

### Ceiling Hung Conveyor

By supporting conveyor from the ceiling trays can be routed long distances without creating aisle access restrictions. Utilizing vertical space conserves valuable lab space.

### Integrated Wire Ways

Our extended wire way is used to neatly route wires throughout the system. A integral power divide insert keeps high voltage lines separate from 24VDC. A snap-on cover removes easily for serviceability.

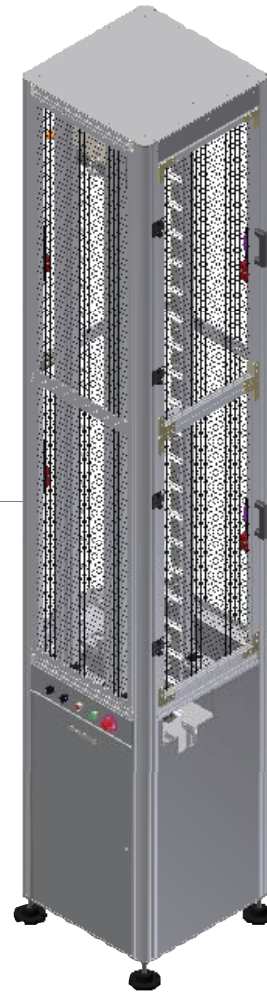
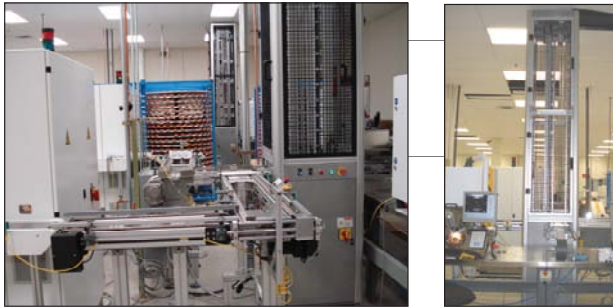




## Increase Utilization

### Curing Tower

The Optitrak™ Curing Tower is designed to buffer 40 optical trays while providing 20 - 30 minutes of curing time in a very compact 26-inch square footprint. The buffering action of the vertical accumulator allows for an uninterrupted manufacturing process, which results in greater machine utilization. Typically used between the blocking and the generating process, the buffer capacity and speed of the Curing Tower can be adjusted to provide the optimum curing duration between processes.



Curing Tower

## Reduce Line Lengths

### Twin-strand Optitrak™

For maximum tray stability and tight 90° turns, we offer a dual-strand version of our Optitrak™ conveyor. Its compact design and unique pop-up conveyor transfer devices allow trays to be diverted or recombined over a very short distance. RFID readers, bladder stops, pneumatic pushers and other devices can be easily added to the system.



Twin-strand Optitrak™



C U S T O M E R   S E R V I C E   I S  
O U R   T O P   P R I O R I T Y



Simplimatic Automation is a manufacturer of modular conveyors & automation for packaging and assembly production lines. The products we offer are used to automate production lines in the electronics, semiconductor, automotive, consumer products, food, pharmaceutical and personal care industries. Products are shipped, installed and serviced worldwide. See our web site for our worldwide list of authorized solution centers.



109 Ramsey Place • Lynchburg, VA 24501 U.S.A.  
Phone: 434-385-9181 • Fax: 434-385-7813  
[www.simplimaticautomation.com](http://www.simplimaticautomation.com)

Email: [sales@simplimaticautomation.com](mailto:sales@simplimaticautomation.com)