

## High Performance Conveyor-Based Laboratory Automation



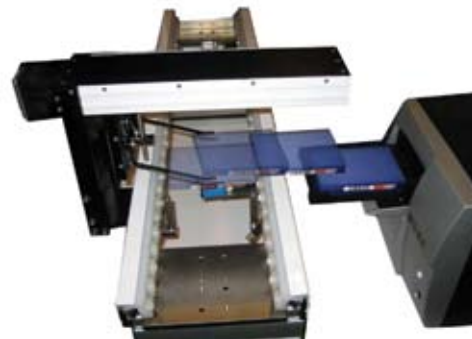
BioTrack and BioStack modules. Start with just a stacker for a simple system, then expand later with additional modules.



BioTrack integrated to liquid handler deck.



BioTrack integrated with EDC ATS-100 Acoustic Nanodispenser.



BioGrip moving plate from BioTrack to plate washer.

The BioTrack is a modular system that is based on high-performance conveyor-based automation that has been successfully employed for many years in industries such as manufacturing and semi-conductor. By adapting this technology to the laboratory we can achieve high-speed automation that is also robust and reliable.

The system is based on the BioTrack conveyor system, which uses a patented bidirectional slip roller design. These conveyors allow for variable speed, bi-directional transport of microplates, tip boxes, and other labware (even non-microplate footprint) in either orientation. The design also offers the flexibility to be reconfigured to changing layouts.

The BioTrack can be integrated directly onto the deck of an automated liquid handler. By adding stop positions on the conveyor multiple plates can be brought in for liquid handling operations and then quickly moved down the line to other instruments or to storage for incubation, all without the need for complicated multi-axis robot arms.

The BioGrip module is used to quickly transfer plates from the BioTrack to instruments such as washers, dispensers, sealers, and readers.

- BioStack stackers available in various capacities.
- BioStackFIFO offers First-In-First-Out capability.
- BioTrack conveyor is modular and available in any length or orientation.
- BioGrip allows integration to any automation-friendly instrument.
- BioLid automates lid removal and installation.
- Automated with OVERLORD 2 automation software.
- Suitable for small, medium, or large automation workcells.

## Specifications

### Cleanliness

Class 1000. Class 6 Fed. Std. 209E (ISO Class 6).

### Speed

0 to 60 feet per minute.

### Capacity

Multiple stackers combined with conveyors of any length for maximum flexibility.

### Labware

Microplate footprint in portrait or landscape. Other labware can also be transported, such as media plates.

### Integration

Integrate with virtually any microplate instrument with OVERLORD 2.

### Electrical

110 - 230 VAC