

Clearliner™ 1000 Pallet Handling System



Image above shows Clearliner™ 1000S

Tray and Pallet Handling for Cleanrooms

Robust, dynamic and versatile, the Clearliner™ range was specially developed for efficient, dynamic automation in the pharmaceutical and medical sector. From straightforward tray handling tasks to complex, standalone feeding, inspection and assembly cells.

Space-saving footprint and ergonomic design suitable for many medical device components, subassemblies, and finished products including inhalers, autoinjectors, and glass cartridges.

Depending on the quantity of parts and shape of the trays/pallets, a conveyor belt or trolley can be integrated for transfer to and from the machine. Stacks can then be removed or replenished while the Clearliner™ is in operation.

COMPONENTS AND SUBASSEMBLIES

The ATS Clearliner™ 1000 is ideal for all pallets from approximately 800 to 1000 millimeters.

This solution includes loading units that remove trays from pallets, and pick-and-place units that remove components from trays. Ideal for autoinjectors and glass cartridges.



/// Clearliner™ 1000FT

- Extensible to include further stacks
- High-speed conveyor for Euro/ISO pallets
- Reversible operation
- Separation of trays by force
- Detection of trays contents
- Tray turning module
- Paper handling module
- Part orientation units
- Rapid gripper-changing system
- Bad and SPC part handling
- Central lubrication



/// Clearliner™ 1000S

- Plate for add-on processes
- Integration of inspection processes, e.g. with cameras, assembly processes, factory control systems, barcode and DMC scanners
- Profibus/Ethernet interfaces
- Integration of external plant and machines
 - Communication with external equipment
 - Workpiece handling
- Clean design for cleanroom class 10000



/// Specs

- Clearliner™: 1000 / 1000S / 1000F
- Workpiece weight: up to 30 kg
- Tray weight: up to 30 kg
- Pallet weight: up to 750 kg
- Tray sizes: 300 x 400 mm up to 600 x 800 mm

- Height of tray stack: max 1200 mm
- Processing time: 1000>15 sec / 1000S>10 sec / 1000F>25 sec
- Stack transfer: Conveyor belt, dumping ground
- Footprint: 3300 x 2500 x 2700 mm
- Conveyor system: Euro / ISO - pallet

Let's discuss which standardized solution can ease your material handling operations.



Contact us at lifesciences@atsautomation.com

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