Clearliner™ 400M Trayhandling System

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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.

For medical device components, subassemblies and finished products including autoinjectors and glass cartridges

The Clearliner™ 400M is perfect for applications with relatively light weight trays that can be fed and removed under ideal ergonomic conditions. Its space-saving footprint and the option of positioning part handling perpendicular to the material flow make the Clearliner™ 400M a popular choice for automating pharmaceutical products.

/// Specs

- Clearliner™: 400M
- Workpiece weight: up to 30 kg
- Tray weight: up to 50 kg
- Stack weight: up to 50 kg
- Tray sizes: up to 400 x 600 mm
- Stack height: up to 600 mm
- Tray exchange time: 6s
- Stack transfer: Conveyor belt / transfer level 1.200 mm
- Footprint: 2.400 x 700 x 2.350 (L x B x H)

/// Features

- Extensible to include further stacks
- Tray handling via linear axes or robots
- Separation of trays by force
- Detection of tray content
- Tray turning module
- Part orientation units
- Rapid gripper-changing system
- Bad and SPC part handling
- Central lubrication
- Clean design for cleanroom class 10.000
- Plate for add-on processes
- Integration of inspection processes, e.g. with cameras, assembly processes, weighing and labeling modules, factory control systems, barcode and DMC scanners
- Profibus / Ethernet interfaces
- Integration of external plant and machines
  - Communication with external equipment
  - Workpiece handling

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

Contact us at lifesciences@atsautomation.com

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