

Clearliner™ 400/400S/400T Trayhandling System



Image above shows Clearliner™ 400 / 400S

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

Clearliner™ 400/400S and 400T can be employed for a host of different applications. Configurations range from straight forward tray-handling tasks to complex, stand-alone feeding inspection and assembly cells.

/// Specs

- Clearliner™: 400 / 400S / 400T
- Workpiece weight: up to 30 kg
- Tray weight: up to 50 kg
- Stack weight: up to 250 kg
- Tray sizes: up to 400 x 600 mm
- Stack height: up to 900 mm
- Tray exchange time: 400 6s / 500S 2.5s / 400T 6s
- Pick and place: Linear axes or robots
- Stack transfer: 400 / 400S Conveyor belt, 400T Trolley
- Footprint: 1.300 x 1.670 x 2.350 (L x B x H)



Clearliner™
400T



Clearliner™
400 / 400S

/// Features

- Extensible to include further stacks
- Tray lifter
- Reversible operation
- Separation of trays by force
- Detection of tray contents
- Tray turning module
- Paper handling module
- Part orientation units
- Rapid gripper-changing system
- Bad and SPC part handling
- Central lubrication
- 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 10.000

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



Contact us at lifesciences@atsautomation.com