



Tray Handler

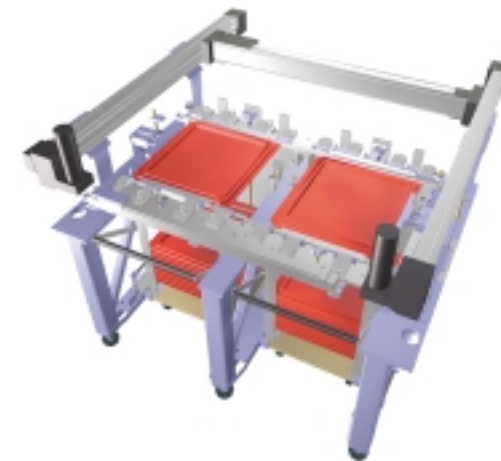


ATS Tray Handler

Description

The ATS Tray Handler represents the next generation in materials handling innovation. This new standard in automated part handling eliminates costly problems while decreasing cycle times.

An ATS Superbot™ gantry-style robot is integrated into the tray handler. The Superbot's low profile, rectangular work envelope, high speed and scalability make it ideally suited for handling trayed parts. The Superbot is mounted above the ATS Tray Handler with pallets or workpieces running through the robot's envelope. During operation, the robot can be programmed to pick up parts from, or deposit completed sub-assemblies to, the trays.



Part trays are typically vacuum formed or molded for high-accuracy part positioning. The tray handler can hold approximately 24" of stacked trays, depending on conveyor height and configuration.



Carts, included with the Tray Handler, feature urethane wheels and retractable handles. They can be inserted or removed from the handler during machine operations. Optional conveyORIZED version available.

Specifications

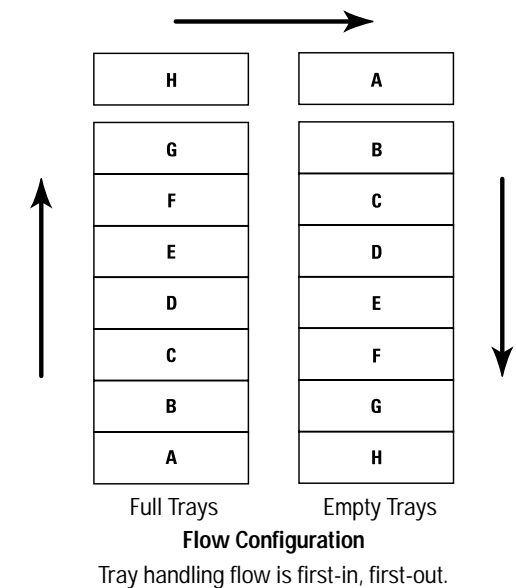
Product name: Tray Handler
 Type: Automatic with manual cart load

General Data - Tray Handler

Power Supply: 220/380/440 Volts, 50 / 60 Hz
 Air Supply: 80 psi (5.5 bar)
 Interface: Industry standard
 Controllers: Industry standard

General Data - Superbot™

Axis: Dual
 Controlled: Servo
 Design: Cartesian
 Repeatability: ± 0.04 mm (± 0.002 inch)
 Accuracy: ± 0.20 mm (± 0.008 inch)
 Velocity: 3.5 m/s (138 in/sec) max
 Acceleration: Up to 3 G max



Contact ATS directly for custom applications or for product specific applications beyond the scope of this document.



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