

**BLUE WAVE  
ULTRASONICS**

# **AUTOMATED TRANSPORT SYSTEM**

**(MODEL AH-100)**

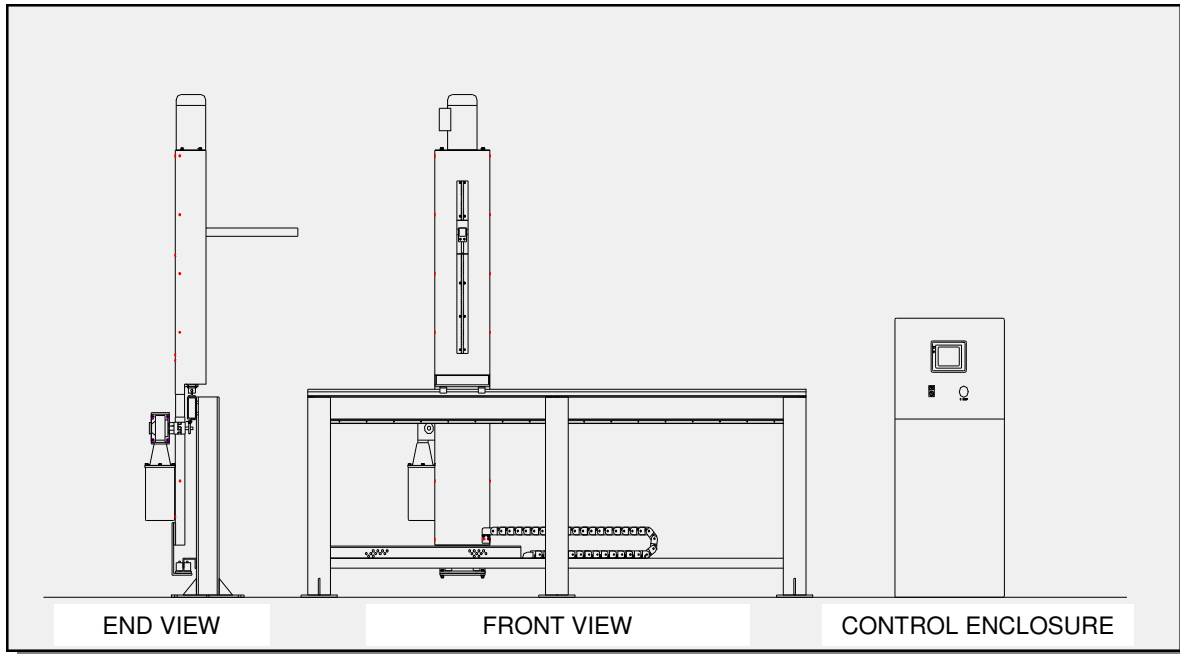
Blue Wave's Automated Transport System (shown below with our SEC Cleaning System) reduces labor and gives customers the reliability and repeatability needed in precision cleaning applications. Basket fixtures are moved from tank to tank by the Automated Transport System using a choice of customer defined predetermined recipes; or it can be ran in a manual operating mode.

Five pre-programmed recipes come with each system, allowing process flexibility for varying part types. Operating the system in manual mode allows the user to move the hoist with a "joystick" type control on the touchscreen.



Electricals for the system are contained in the NEMA 12 Control Enclosure (shown to the left). This enclosure also holds the touchscreen where all input operations are conducted. The touchscreen control allows the operator to change tank temperatures, cleaning cycles, and filtration options all at the touch of a finger. Blue Wave's Automated Transport System can be run in serial (one basket at a time) or parallel (a basket in each tank at all times if available) modes. The

# AUTOMATED TRANSPORT SYSTEM (MODEL AH-100)



## SPECIFICATIONS:

- 1) Maximum Load Capacity: 100 pounds including fixtures.  
(Larger capacities available in Models AH-150 & AH-200)
- 2) OMRON Controller (Allen Bradley, GE Fanuc, and others can be quoted upon request) with touchscreen interface (located within the Control Enclosure) for access to system functions. Controls and reads the following functions when system is in "Auto" mode:
  - a) Load/Unload Stations
  - b) Ultrasonics On/Off
  - c) Filtration On/Off
  - d) Automated Dryer Lid Open/Close
  - e) Dryer On/OffNote: Some functions may not apply to all systems
- 3) Frame constructed of powder coated steel. Transport head unit has stainless steel shroud and cantilever arm.
- 4) Maximum horizontal operating speed of 20 feet per minute.
- 5) Maximum vertical operating speed of 20 feet per minute.
- 6) Sensors automatically stop hoist in the event of obstruction.
- 7) Includes the addition of fully automated sliding lid to system dryer (if applicable). Cover is stainless steel and related components are stainless steel or high temperature plastic.
- 8) Includes stainless steel load and unload stations (shown in the photo on front), each with UHMW countertop.
- 9) Includes stainless steel end effector (pick-up arm) and tank mounted locating fixtures.



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