

the **SHUTTLE**

Automated Basket Loading

**RETORT ROOM MACHINERY FROM
THE RETORT PEOPLE**



RETORT ROOM EQUIPMENT

Allpax is a retort manufacturer that also builds a wide range of integrated robotics, automated material handling and auxiliary equipment for the retort room. The **SHUTTLE** is one of our designs that makes the retort room a safer place to work.

LOADS AND UNLOADS THE RETORT

One of the biggest justifications for automation in the retort room is the automatic transportation of product-filled baskets and the loading and unloading of baskets in the retort. The Allpax **SHUTTLE** is a device that was designed to accomplish basket transport into, and out of, the retort safely and efficiently. The machine is a robot that runs on rails in front of the retorts with self-contained conveyor sections for delivering and retrieving retort baskets to the retorts. The shuttle travels under control of the system PLC, and integrates with raw product conveyors and processed product conveyors.

ELIMINATES CONVEYORS IN THE RETORT

There are many approaches to loading and unloading a retort. Some retorts even have internal conveyors for this function - that are cooked with each product load! The Allpax **SHUTTLE** removes the need for high-maintenance internally driven conveyors and subsystems .

STAINLESS STEEL CONSTRUCTION

The **SHUTTLE** is manufactured and assembled using severe-duty components. The machine includes heavy-duty chain conveyors that transport multiple basket loads in excess of 4000 pounds per basket. The **SHUTTLE** is built with a severe-duty welded 304-Stainless Steel frame that is laser cut using computer control for exact precision and tolerances.

SWING-OPEN AND ORBITING-DOOR RETORTS

The **SHUTTLE** works as a module in the Allpax ABRS (Automatic Batch Retort System), and can be incorporated into ABRS designs that have retorts with swing-open or swing-up doors. Call us for the design that will work best for you.

EQUIPMENT & SYSTEM FEATURES

- ✓ Dual-Function Shuttle (Load and Unload), or Dedicated-Function Designs.
- ✓ Severe-Duty Design and Components.
- ✓ 304 Laser-Cut Stainless Frame Construction.
- ✓ 3, 4, 5, and 6-Basket-Load Designs.
- ✓ Laser Positioning for Tight Tolerances.
- ✓ AllTrack Basket Tracking Integration
- ✓ 316 Stainless Wheels with TaperLock-Keyless Bushings.
- ✓ Removable Stainless Steel Wear Track
- ✓ Eurodrive Gear Reducers / Motors.
- ✓ Allen-Bradley VFD's (variable frequency drives) for smooth control.
- ✓ Available for all dimensions of retort baskets.
- ✓ ABRS (Automated Batch Retort System) integration.

DIMENSIONS

See Reverse Side for General Equipment Layout. Contact Allpax with your specific basket size for exact dimensions.



The **Allpax** Line of Retort Room Equipment
RETORTS LOADERS AUTOMATION
HIGH TECHNOLOGY - LOW COST

ALLPAX

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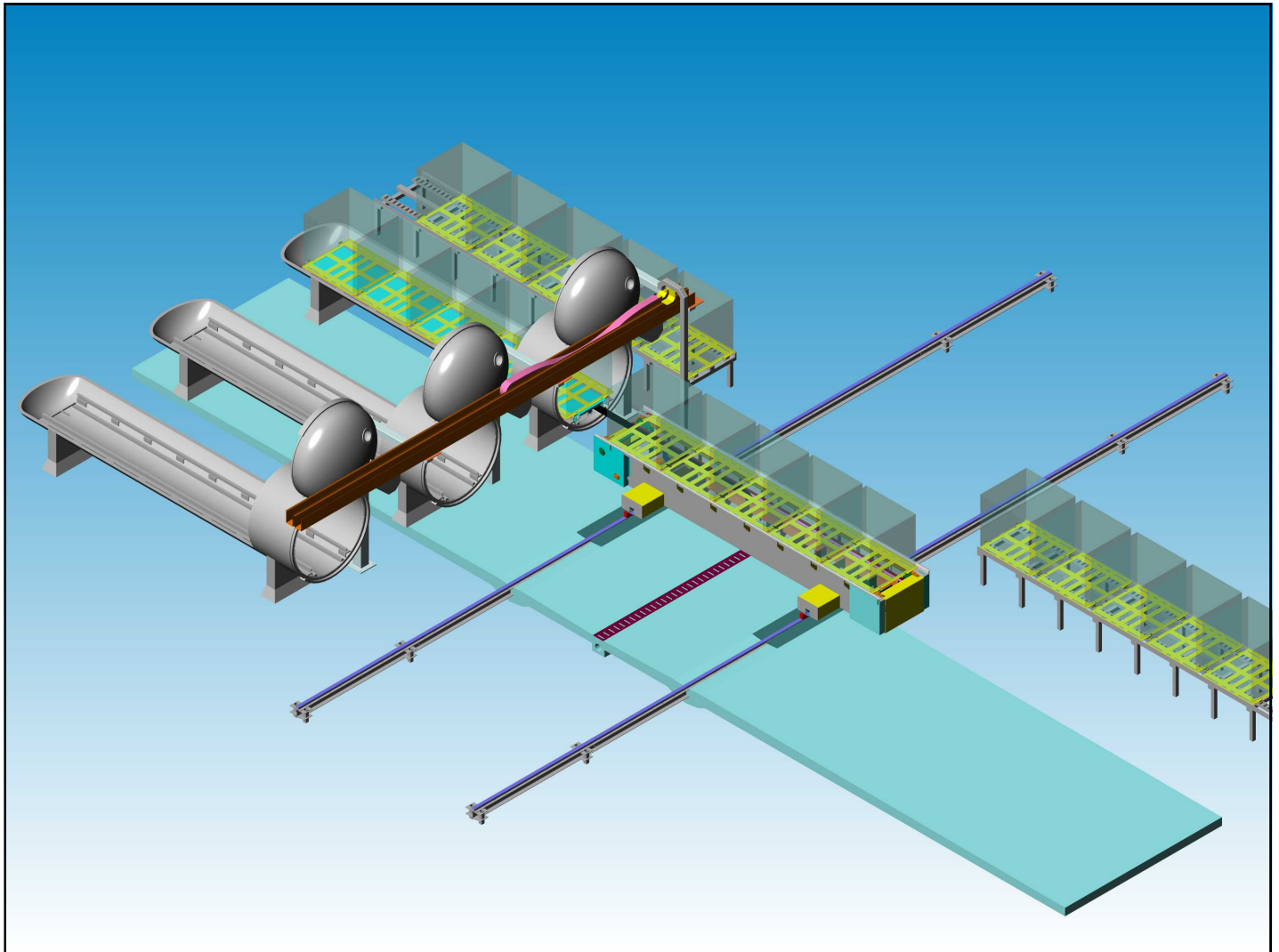
the **SHUTTLE**

Automated Basket Loading

Allpax offers a number of variations of our basic shuttle design to meet the production requirements of our customers. These designs include single and double lane shuttles, as well as air-lift basket transport or push-in and pull-out basket delivery.



The Customer's **SHUTTLE** is fabricated, assembled, integrated with controls and tested at Allpax before shipping.



Single Lane 5 Basket **SHUTTLE**

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