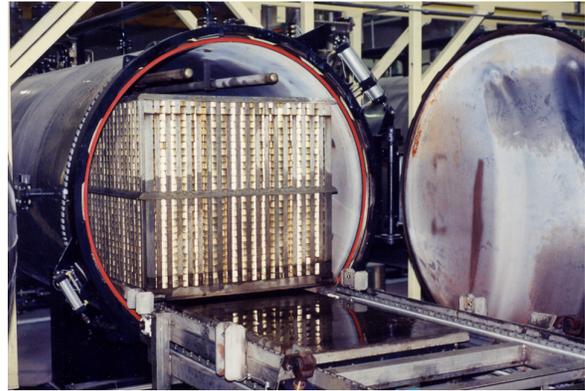


the **AIR DRONE**

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 **AIR DRONE** 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 **AIR DRONE** is a device that was designed to accomplish basket transport into, and out of, the retort safely and efficiently. The machine is a flat-profile robot that runs on rails and travels underneath the baskets. The robot's heavy-duty inflatable energy tubes lift the baskets off of the conveyors, then drives the product load into the retort, then deflates to deposit the baskets for retort processing. Retrieval works in the reverse manner.

ELIMINATES MOVING PARTS 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 **AIR DRONE** takes the need for ANY moving parts (even idler rollers) out of the retort.

STAINLESS STEEL CONSTRUCTION

The **AIR DRONE** is manufactured and assembled using severe-duty components. The machine includes pneumatic packs that lift multiple basket loads in excess of 4000 pounds per basket. The **AIR DRONE** is built with a heavy-duty welded 304-Stainless Steel frame and cover plate. The frame is laser cut using computer control for exact precision and tolerances.

SINGLE AND DOUBLE-DOOR RETORTS - ABRs DESIGNS

The **AIR DRONE** works as a module of the Allpax ABRs (Automatic Batch Retort System), and can be incorporated into either single door or double door retort designs. Call us for the design that will work best for you.

EQUIPMENT & SYSTEM FEATURES

- ✓ Available for use on a fixed conveyor or on the Allpax **SHUTTLE**.
- ✓ Severe-Duty Design and Components.
- ✓ 304 Laser-Cut Stainless Frame Construction.
- ✓ 1, 2, 3, 4 and 6-Basket-Load Designs.
- ✓ Linear Encoders for Accurate Positioning.
- ✓ 304 Stainless Cat-Track with extended range.
- ✓ 316 Stainless Wheels with TaperLock-Keyless Bushings.
- ✓ Standard Components.
- ✓ 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 with the Allpax **MONITOR** basket tracking system.

ALLPAX

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

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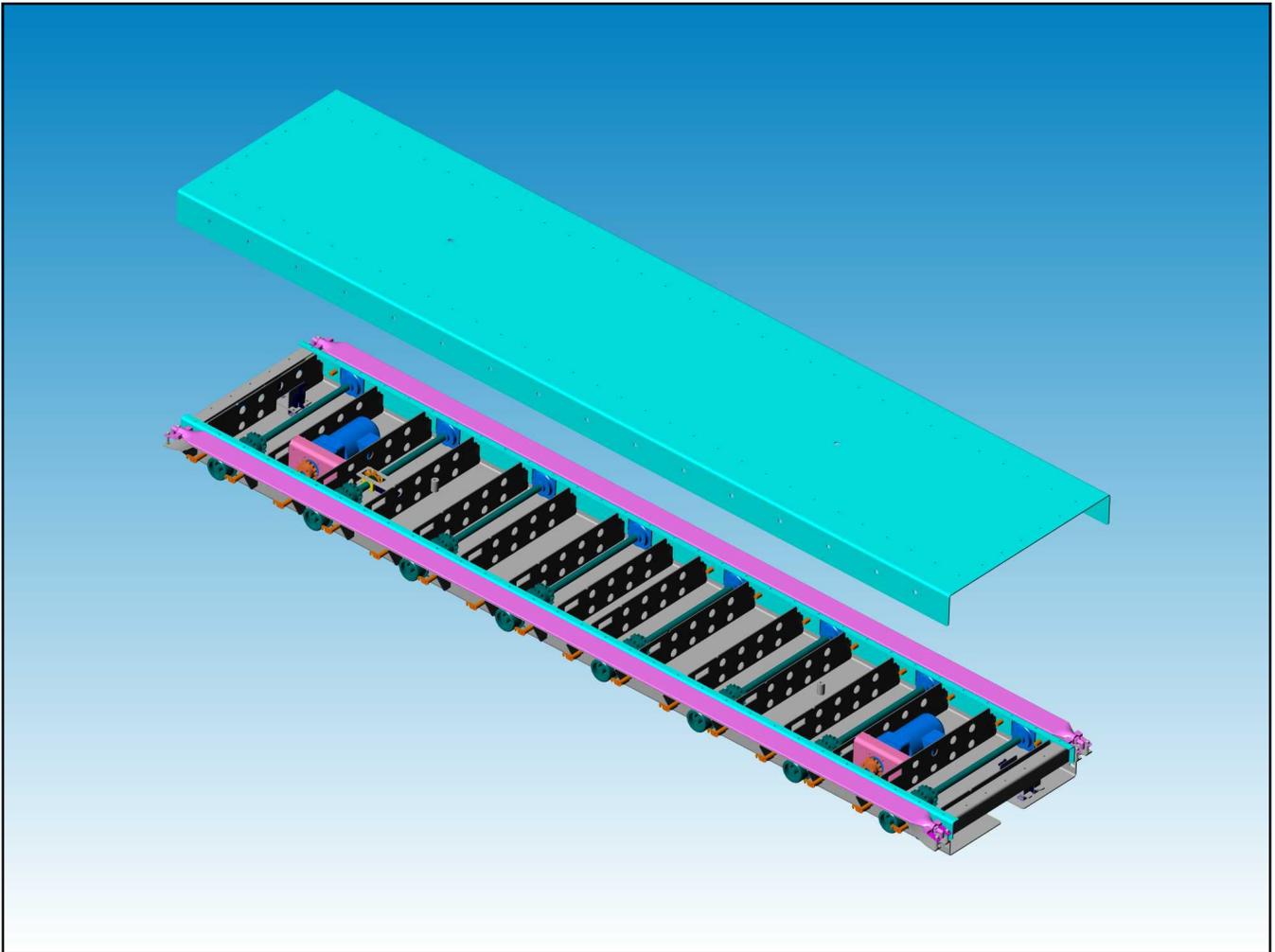
the **AIR DRONE**

Automatic Retort Basket Loading

The Air-Drone can be ordered to meet a variety of loading requirements, including retort length, basket weight, and other factors. Call Allpax for the model and dimensional information for your retort.



The **AIR DRONE** eliminates the need for conveyors, rollers and other moving parts inside of the retort. This robotic device drives under the retort baskets, then inflates to lift the baskets off of the conveyor and moves the baskets into the retort for sterilization.



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