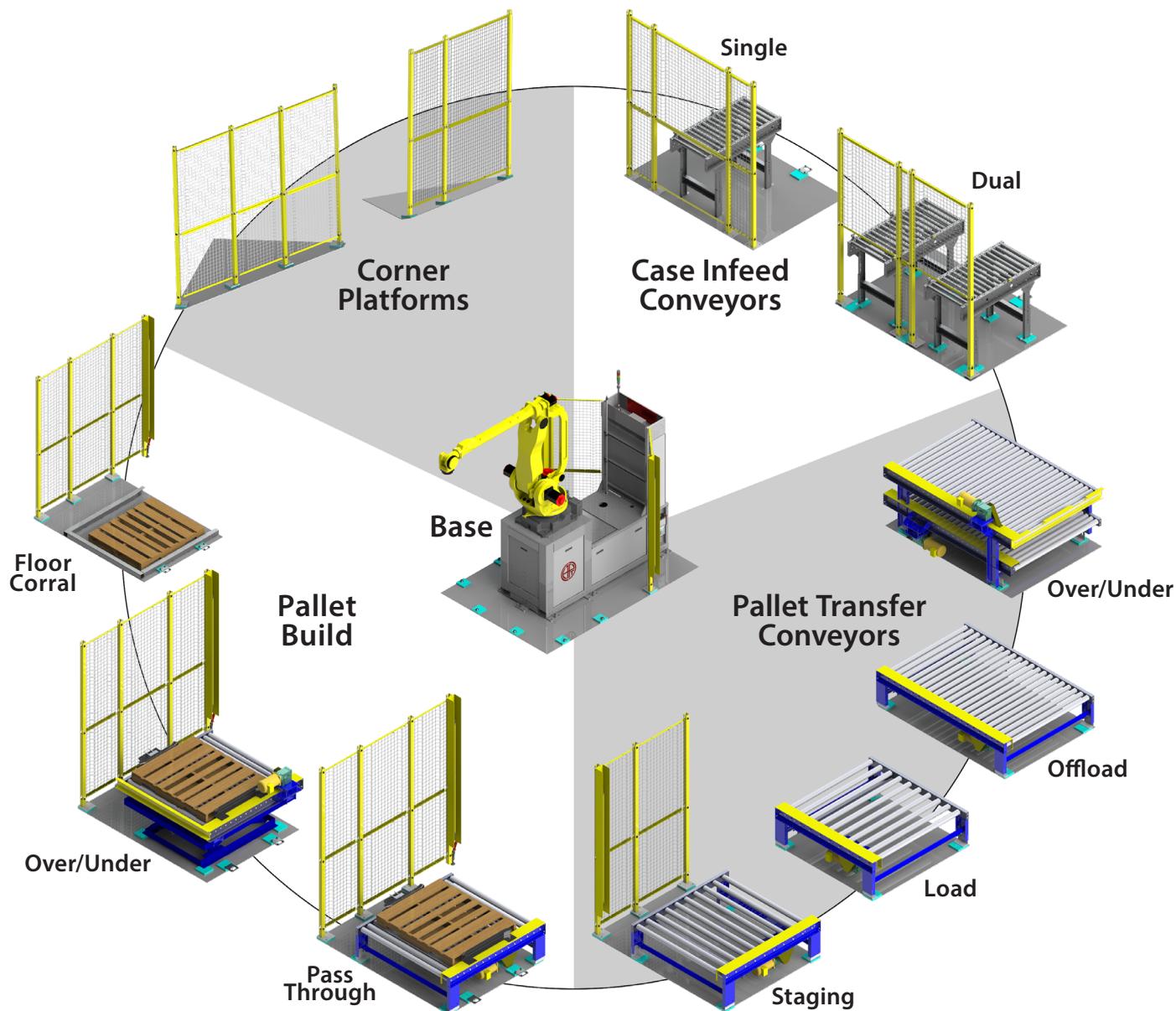
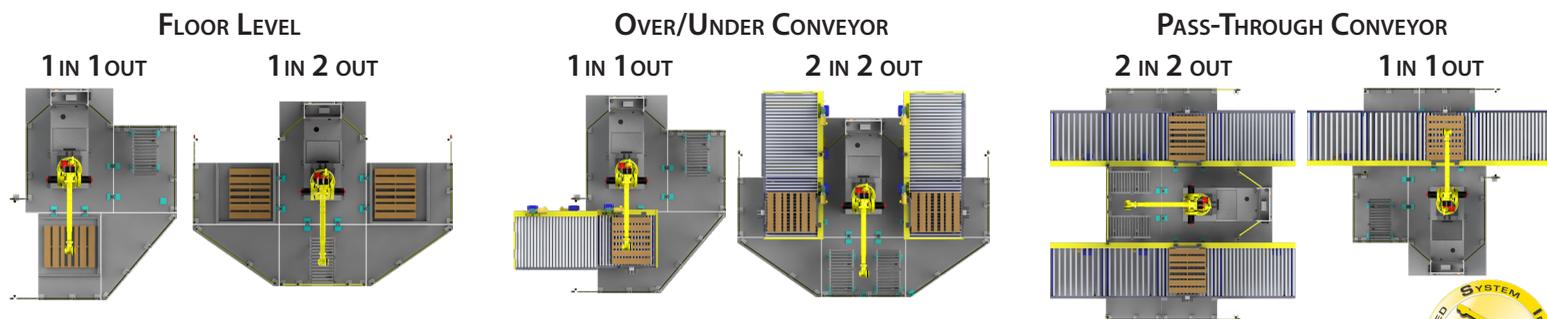


The design of APT's MOD-PAL® is unique in the sense that everything is built with an interlocking pattern. This allows for the system to be reconfigured and redeployed. Countless options are available with the modular mix and match designs.

We offer both FANUC R-1000 and FANUC M410 Robot options, powered by Rockwell controls.



EXAMPLES



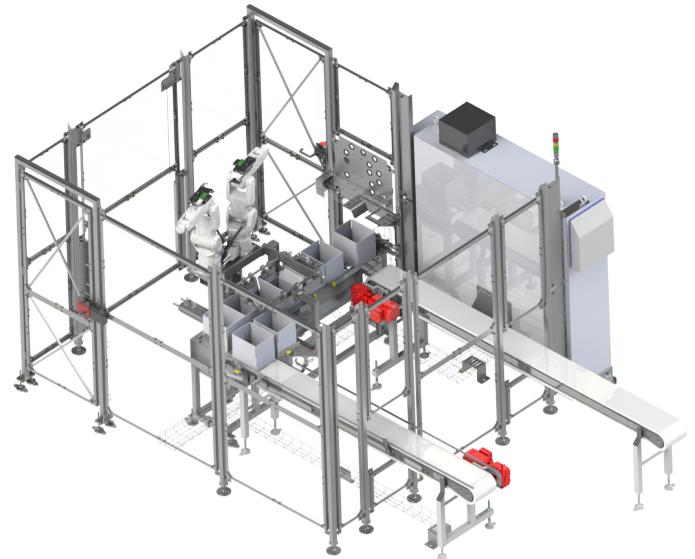
The pre-designed modular systems are intended for ease of build, maintenance, and operator use. Customers that purchase the APT-PAK systems save both engineering and programming cost.

We offer a FANUC 6 axis robot floor mounted or a FANUC Delta Style robot that is hung in our modular frame system.



HIGH SPEED PACKING FEATURES

- Standard Modular Frame to be stackable side by side
- FANUC Delta style robots for high-speed picking
- FANUC Line Track Vision for picking various orientations and infeed methods
- Rates up to 100 picks per minute (depending on product and product insertion method)
- Product infeed conveyors
- Case infeed conveyor
- Ability to handle many products:
 - Pouches
 - Plastic retail packs
 - Chipboard sleeved products
 - Various unwrapped products
- Random product infeed



STANDARD PACKING FEATURES

- FANUC 6 Axis Robots with various payloads
- System accommodates a variety of product infeed methods
- Example of product types:
 - Cartons
 - Pouches
 - Small tubs
 - Chipboard sleeves
 - Film wrapped bundles
 - Cups
 - Bottles

COMMON FEATURES FOR APT-PAK

All of our packaging equipment integrates directly with APT's MOD-PAL® to palletized finished products.

- FANUC iR Pick Tool utilized for high-speed picking logic
- Case flap management
- Product insertion via a variety of robot tooling capabilities
- APT conveyor systems with fully integrated controls
- Integration with:
 - Carton informer and erector
 - Label applicator side or corner wrap
 - Ink jet coder
 - Carton sealer tape or glue