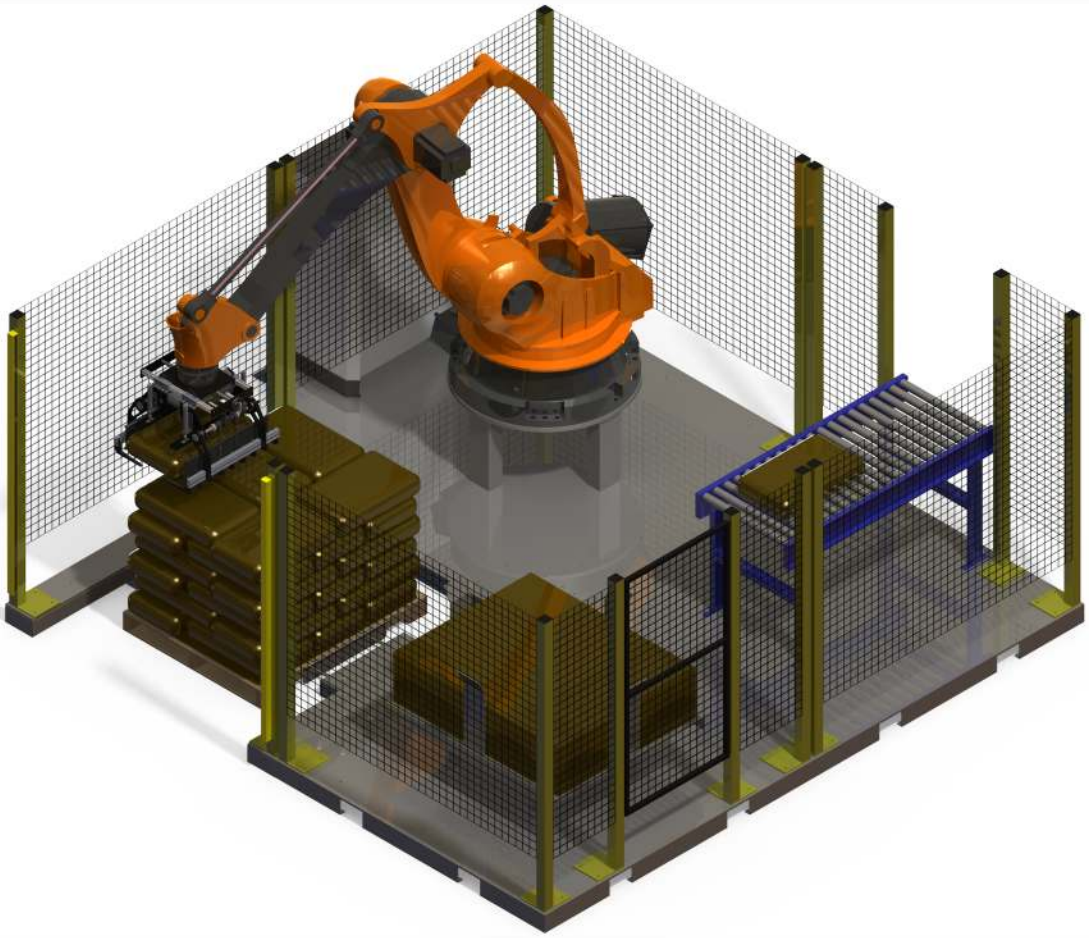
FOCUS INTEGRATION, LLC



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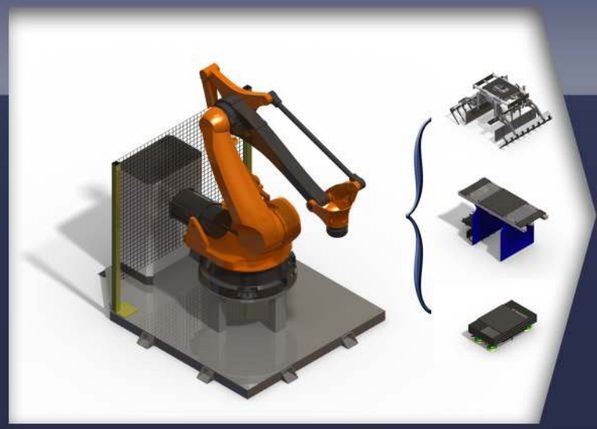
CARBON

PATENT PENDING

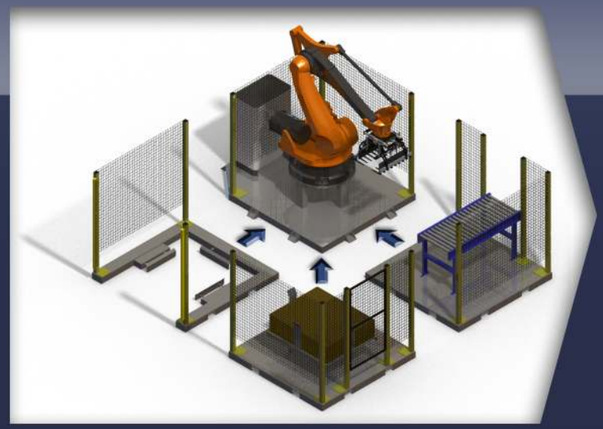
Configuring your CARBON palletizer is as easy as 1, 2, 3

Modular Palletizing

1. Identify the Application



2. Choose and Connect Modules



3. CARBON Complete and Ready to Run

VARIOUS CONFIGURATIONS SHOWN

Features

- Compliant with bag, case, tray, shrink, and vacuum applications
- Compact, modular design
- Lift truck accessible from all four sides
- Each module connects together to create a customizable robotic palletizing cell
- All cells are pre-wired, pre-programmed, and fully tested prior to shipment
- Installation time is cut by as much as 300%!
- Installed cost lower than conventional systems
- Adaptable to fully automatic, conveyorized systems
- Each custom cell includes 1-day field start-up support
- Re-configurable to meet future needs

Specifications

Module Dimensions:
78” x 78” platforms x 4 ½” high

Module Construction:
½” steel top plate welded to structural frame, machine gray industrial finish

Utilities Required:
480v, 3-Phase Power, 80 PSI

Optional UL Compliance

Current Modules Available:
- Blank Module
- Palletizer Module
- Single Pick-up Module
- Double Pick-up Module
- Simple Build Module
- Slipsheet Module
- Pallet Module
- Discharge Module

See back cover for module descriptions

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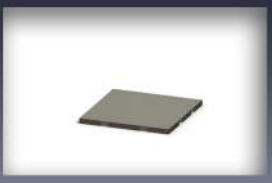
CARBON

PATENT PENDING

FOCUS

FOCUS Integration introduces an exciting new “modular” palletizing concept… **CARBON**. **CARBON** consists of modular units which can be assembled and put together like pieces of a puzzle to create a robotic palletizing cell. Unique with this puzzle is that each piece can go in any location and in any orientation to fit the layout requirements of each plant and application. Each module includes provisions for safety fence sections, is easily accessorized, and is fully assembled prior to shipment. All customized cells are pre-wired, pre-programmed, and tested prior to shipment. This concept greatly reduces time and costs associated with equipment installation. A typical layout will install in hours, not days, and includes 1-day start-up and training services. Pre-shipment factory run-off can be viewed through a secure web cam system.

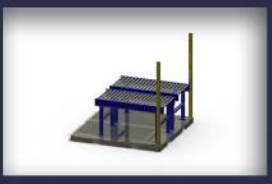
Current Modules



Blank Module…
A base from which all other modules are built upon. This structural module supports fence sections, slipsheet bins, pallet bins, and other accessories. The blank module is easily accessorized, installed, and transported from any side with a common lift truck.

Robot Module…
consists of a heavy structural base and includes the palletizing robot and end effector. The associated control module is utilized to mount all the necessary pre-wired control cabinets. The robot module includes palletizing program and arrives ready to run.

Single Pick Module…
includes a pick-up conveyor atop a blank module and has provisions for safety fence sections. The pick-up conveyor utilizes a 24-VDC motorized roller drive and includes a product sensing photoeye and an adjustable end stop.



Double Pick Module…
includes (2) pick-up conveyors atop a blank module and has provisions for safety fence sections. The pick-up conveyors utilize 24-VDC motorized roller drives and include product sensing photoeyes and adjustable end stops.

Build Module…
is designed to build pallet loads directly to the floor. This allows for load retrieval with either lift trucks or pallet jacks. This module includes adjustable pallet positioners, and a pallet sensing photoeye.

Slipsheet Module…
consists of a slipsheet bin mounted atop a blank module.
The slipsheet bin utilizes adjustable guides and also includes a "low sheet" sensing photoeye.

Pallet Module…
is used to contain a stack of empty pallets from which the robot will pick from. The pallet bin utilizes adjustable guides and also includes a "low pallet" sensing photoeye.

Discharge Module…
consists of a powered chain conveyor used to discharge a full pallet out from the palletizing cell.

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