



GiboSmartSolutions

GiboPalletize

Gibotech's palletizing cell GiboPalletize is based on known technology and integrated into a variety of solutions. The module can be purchased as stand-alone or as an integral part of a single boxpackage flow. GiboPalletize can palletize a large number of different product shapes and sizes. The minimized footprint, along with the flexibility, provides an optimal ROI.



ADVANTAGES

- Well-known technology tailored to your production
- Large box size coverage area
- Flexible and compact solution that can be extended in steps
- Higher throughput for increased productivity
- Reduction of one-sided, repetitive work
- Greater job satisfaction for increased productivity
- Releases employees for other tasks
- Improved competitiveness and greater employee satisfaction



Robot

Fanuc. KUKA, Omron



Workspace

Flexible cell that can palletize cardboardboxes from 120x120x120mm to 650x650x550mm



Modular

Can be built with box erector and various package solutions



Safety solution

Allows you to remove full pallets while the robot continues to palletize on the opposite side

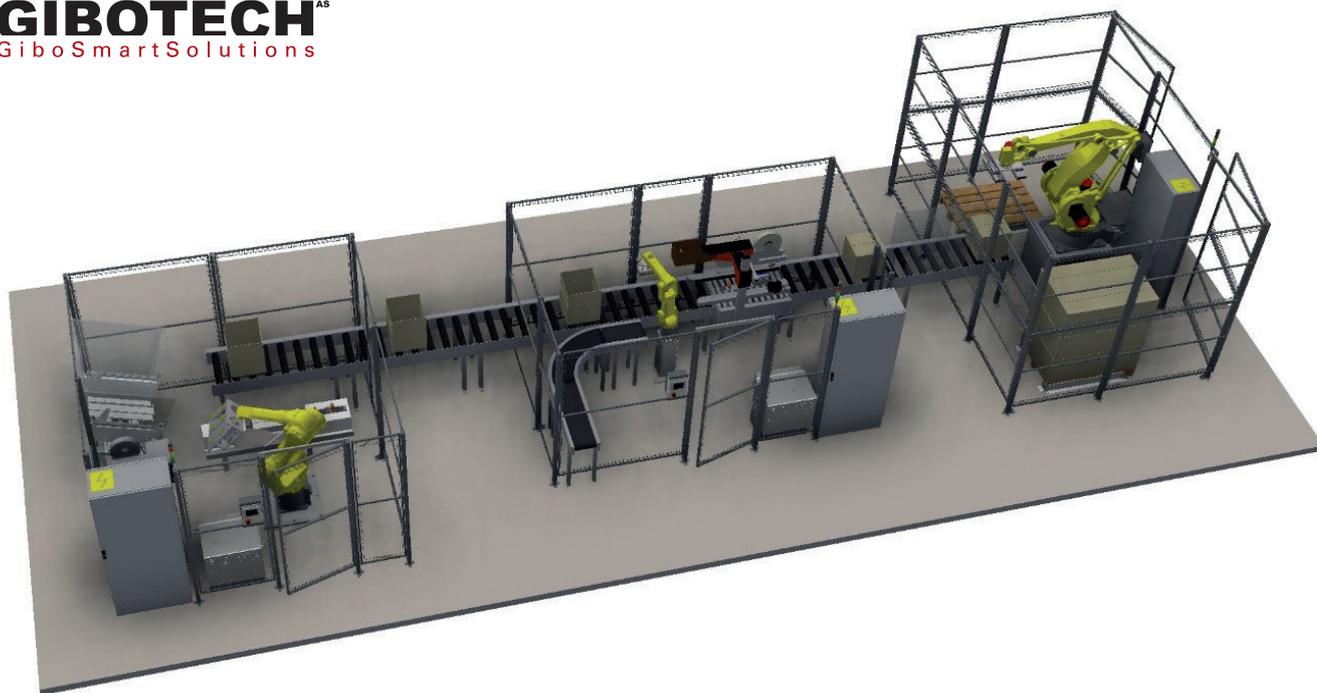


Solution

Supplied as turnkey set up and ready to use



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INCLUDED

- Fanuc M-410iC/110 incl. teach pendant and controller
- Special designed suction surface for lifting the boxes
- Plinth for robot
- 2 meter inlet lane with safety tunnel
- 2x pallet guide with sensors
- 1 customer-designed HMI touchpanel with associated user interface
- Fully integrated safety solution with fences and doors
 - o Safety scanners
 - o Safety software
- Programming up to 5 different pallet patterns
- Electrical cabinets and electrical components (photocells, cable trays, cables, light guide)
- Complete documentation package incl. CE documentation
- **Option:**
 - o Automatic pallet change
 - 2x pallet magazines for Euro pallets
 - Pallet outlet lanes out of cell
 - o Foil wraps on outlet
 - o Label printer
 - o Pallet patterns over 5 pcs.
 - o Extended inlet lane
 - o KUKA, Omron TM robots

FUNCTIONALITY

GiboPalletize is a palletising cell based on a modular mind-set that allows you to expand with several modules as needed. If purchased as stand-alone, GiboPalletize replaces the manual palletizing of cardboard boxes on pallets within 120x120x120mm to 650x650x550 mm.

The operator places 2 empty pallets in the pallet guides and closes the doors to the cell. Pallet pattern and box size is selected on the HMI touch screen and the cell is ready for operation. Inlet lanes move the cardboard boxes forward to the robot that grabs the box and places it on the pallet. When the pallet is full, the robot switches sides and continues to palletize while the operator can retrieve the full pallet and place an empty pallet in the guide.

GiboPalletize can be extended with automatic pallet change and foil wrap as needed.

GiboPalletize is designed in solid material and well thought-out solutions that ensure maximum operation with minimal maintenance costs if the facility is inspected by authorized Gibotech service personnel at least once a year.

GiboPalletize is part of GiboSmartSolutions and is closely related to GiboBox and GiboPack.