



Performance  
through  
Understanding



ADVANCED COBOTIC PALLETIZING SOLUTION

## COBOACCESS™\_PAL - M VERSION

Industrial - Safe - Easy-To-Use - Robust



Collaborative robotics (cobotics) allow free and safe interactions between the operators and the fenceless machine.

This technology improves working conditions by replacing manual operations while minimizing mistake rates due to high automation and allowing operators to handle tasks with higher added value.

Adapted to low and medium speeds due to the very fast Return on Investment, CoboAccess\_Pal is an automatic cobotic palletizer particularly suited for very demanding production environments.

The cell is very compact and flexible. It boosts production efficiency and reliability.

### MAIN CHARACTERISTICS

**New cobotic palletizing solutions answering a wide scope of applications and market categories:**

- **Case payload of 14kg**, unique on the market
- Very significant **1700mm reach** for palletizing applications thanks to Yaskawa HC20 cobot
- Speed of up to **6 cycles/min** with pallet height up to 1,900mm
- **Yaskawa** is one of the largest manufacturers of industrial robots, with 480,000 robots installed worldwide
- Industrial solution with a **high level of safety** with secured production phases and third-party certification
- Enhanced user experience with **user-friendly HMI and PalDesigner®** smart configuration tool
- Advanced technology in an **ultra-compact** fenceless cell
- **Mobile and compact** solution with **Plug & Play** features and multi-configuration cell layout





## RELIABILITY & ROBUSTNESS

- Industrial automation platform based on the combination of a PC and a PLC
- Precise and better-controlled cobot trajectories
- Cobot is slave of the PC/PLC structure:
  - Cobot issues do not paralyze completely the cell
  - Cobot is considered as a component with easy Plug & Play replacement
- Accurate case picking and placement for greater pallet quality and stability as well as securing pallet transportation in the supply chain (critical when dealing with small cases)
- Immediate machine restart, reducing downtime to the minimum in case of potential problem

## ADVANCED & USER-FRIENDLY

### Human Machine Interface:

- Tablet navigation based on a multi-touch panel PC (two-handed operation, swiping, zooming)
- Machine One Point Lesson (OPL) helping to solve issues and potential breakdowns (pdf procedures or videos)
- Runtime archives available from HMI: operator alerted in advance of potential actions to be done during production time
- Standard Operating Procedures (SOP): maintenance supports via advanced diagnostic displayed on the HMI

### Greater flexibility with PalDesigner®:

- Full pallet management with the possibility to modify, simulate and create pallet patterns autonomously
- Pattern creation in less than 2 minutes
- Pattern visualization via 3D animation for validation before launching into production

### Universal gripping tooling:

- Management of several case and interlayers sizes with the same gripping head
- Vacuum tool with Venturi system with the suction kept even when the electrical power shutdown

