

COBOACCESS™\_PAL S VERSION

# ADVANCED INDUSTRIAL COBOTIC PALLETIZER

*Performance  
through  
Understanding*



# NOT JUST A COBOT, AN ADVANCED INDUSTRIAL COBOTIC PALLETIZING SOLUTION



## YOUR CHALLENGES AND NEEDS

- Improve **working conditions** by replacing manual palletizing
- Maintain high-level **safety** standards
- Find an **affordable CAPEX**-optimized solution for your End of Line
- Deal with lots of **space** constraints on the production floor
- Look for **easy to use** advanced technologies
- Bring greater **flexibility** to one or several low speed lines

## 1 RELIABILITY & ROBUSTNESS

- Industrial automation platform based on the combination of a Cobo and a PLC
- Precise and better-controlled cobot trajectories:
  - Always over the conveyor or the pallet station
  - Cases can never fall on the floor nor on an operator
  - Material damage are avoided
- 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

## 2 GUARANTEED LEVEL OF SAFETY

- Third-party certification (Apave) in conformity with European Machinery Directive (2006/42/EC)
- Fully accessible fenceless area without compromising safety
- Detects obstacles in its direct environment. Stops and retracts in case of contact
- Gripping tool composed of passive foam which respects high safety standards, softens surfaces and prevents injuries



## 3 PRECISE POSITIONING OF STATIONS

- Robust peripherals for precise positioning
- Efficient production line guaranteed while reducing potential staff mistakes
- Cobot and pallet docking station to position or reposition the cell at its exact perfect location
- Pallet docks to always set the empty pallet at the right position

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# INDUSTRIAL AUTOMATION PLATFORM AND ROBUST PERIPHERALS



## ENHANCED USER EXPERIENCE

- Fenceless cobotic cell with a high level of intelligence based on the UR10 cobotic arm
- Payload of 10,5kg including 2kg tooling
- Speed up to 6 cycles/min
- Footprint optimization keeping easy circulation around the cell
- Overall space saving without compromising the safety

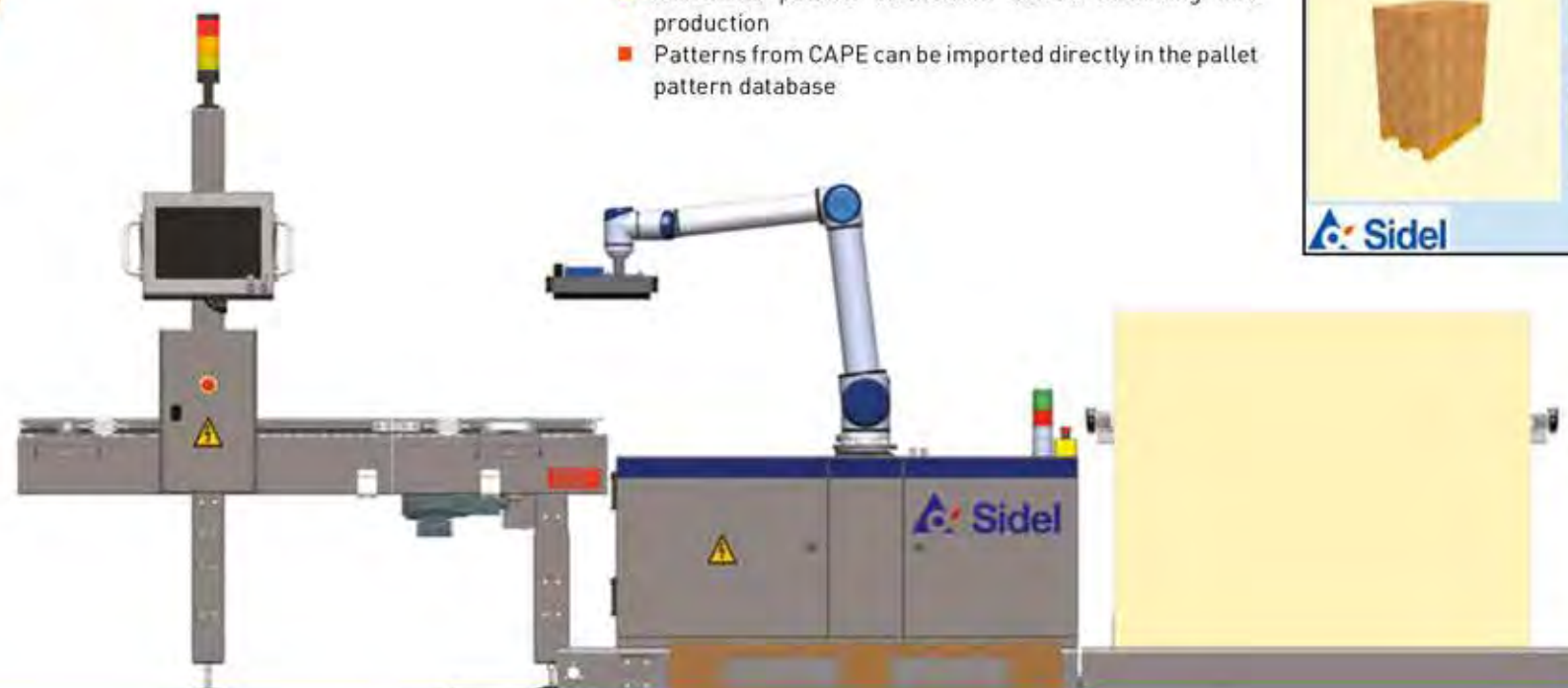


## USER-FRIENDLY HMI

- 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®

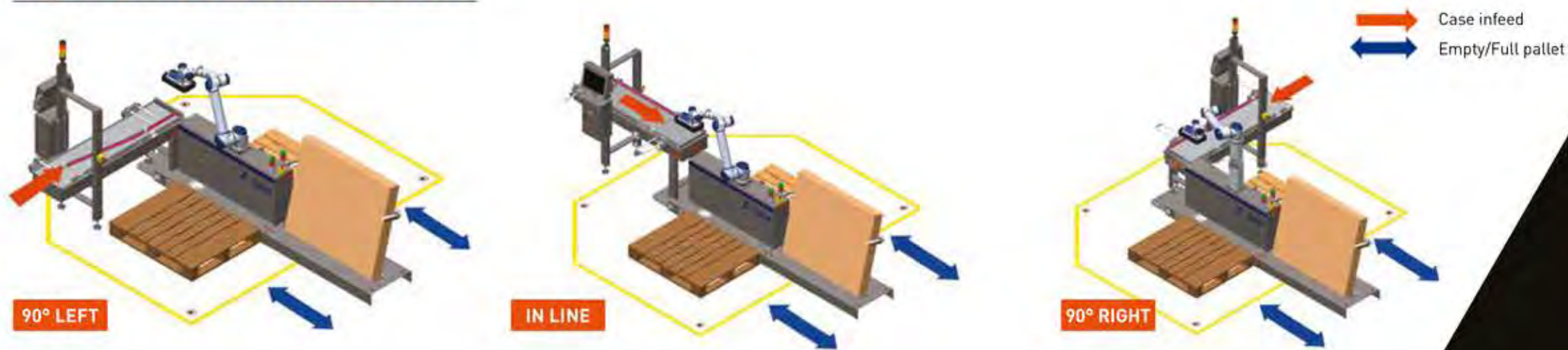
- Full pallet management with the possibility to modify, simulate and create pallet patterns autonomously
- Pattern creation in less than 2 minutes
- Automatic pattern verification before launching into production
- Patterns from CAPE can be imported directly in the pallet pattern database



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**ADVANCED AND USER-FRIENDLY  
EXPERIENCE**

## MULTI-CONFIGURATION CELL LAYOUT



## PRODUCTION SCALABILITY

- Movable palletizing cell for factories with reduced line utilization, with a simple manual pallet jack and only one operator required
- Easy-to-operate: quick to re-install and easy-to-configure by one operator in less than 10 min
- Comprehensive Plug & Play approach with quick release connectors for power supply and compressed air
- HMI easily transferable to a another line
- Telescopic motorized foot allowing pallet height up to 1,900 mm



## 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 (option for vacuum pump also available)
- Simplified format changeovers
- More flexible and reliable with individual or multiple case handling

## VERTICAL INTERLAYER MAGAZINE

- Patented and compact interlayer magazine
- Easy transfer to another line with hand pallet jack
- Easy magazine (re)loading: capacity of 50 cards of 3mm
- Unique interlayer magazine for the 2 palletizing stations



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# COMPACT, MOBILE & FLEXIBLE CELL

## OUR SOLUTION

- High level of safety with secured production phases and third-party certification
- Extensive collaborative robotic & palletizing expertise
- Reliable solution thanks to an industrial automation platform and robust peripherals
- Enhanced user experience with user-friendly HMI and PalDesigner® configuration & simulation tool
- Advanced easy-to-use technology in an ultra-compact fenceless cell
- Mobile solution with Plug & Play features
- Multi-configuration cell layout

Sidel is a leading provider of equipment and services solutions for packaging beverage, food, home and personal care products in PET, can, glass and other materials.

With over 40,000 machines installed in more than 190 countries, we have nearly 170 years of proven experience, with a strong focus on the factory of tomorrow with advanced systems, line engineering and innovation. Our 5,500+ employees worldwide are passionate about providing solutions that fulfil customer needs and boost the **performance** of their lines, products and businesses.

Delivering this level of performance requires that we stay flexible. We continuously ensure we **understand** our customers' changing challenges and commit to meeting their unique performance and sustainability goals. We do this through dialogue and by understanding the needs of their markets, production and value chains. In turn, we apply our solid technical knowledge and smart data analytics to ensure lifetime productivity reaches its full potential.

We call it **Performance through Understanding**.

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