CoboAccess™_Pal

ADVANCED INDUSTRIAL COBOTIC PALLETIZER
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 PC 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

- Fully accessible and 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, soften surfaces and prevent 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 CUSTOMER EXPERIENCE**

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

**GREATER FLEXIBILITY WITH PalDesigner®**

- Configuration and simulation tool with many configurations and options available
- Full pallet management with the possibility to modify, simulate and create pallet patterns autonomously
- Patterns from CAPE can be imported directly in the pallet pattern database
- Anticipation of robot limits errors for a new palletizing pattern before launching into production

**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

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ADVANCED AND USER-FRIENDLY EXPERIENCE
**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 product handling

**VERTICAL INTERLAYER MAGAZINE**

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

**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 the 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 new line
- Telescopic motorized feet allowing pallet height up to 1,900 mm

**MULTI-CONFIGURATION CELL LAYOUT**

- 90° LEFT
- IN LINE
- 90° RIGHT

**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
Gebo Cermex works in partnership with Sidel as part of The Sidel Group. Together, we are a leading provider of equipment and services for packaging liquids, foods and personal care products in PET, can, glass and other materials.

With over 37,000 machines installed in more than 190 countries, we have nearly 170 years of proven experience, with a strong focus on advanced systems, line engineering and innovation. Our 5,000+ employees worldwide are passionate about providing complete solutions that fulfill customer needs and boost the performance of their lines, products and businesses.

Delivering this level of performance requires that we continuously understand our customers’ challenges and commit to meeting their unique goals. We do this through dialogue, and by understanding the needs of their markets, production and value chains. We complement this by applying our strong technical knowledge and smart-data analytics to support maximum lifetime productivity to its full potential.

We call it Performance through Understanding.