



Performance  
through  
Understanding



## COMPACT AGILE ROBOTIC PALLETIZING UNIT

# RoboAccess\_Pal S

## Combining robotics with cobotics

Brand owners from the Food, Home, and Personal care market segments are often looking for compact affordable palletizing systems for their low/medium speed packaging lines.

Cobotic solutions have a strong presence within these segments. But some applications are reaching the limits of this technology in terms of speed and payload. Traditional robotic palletizers, despite they can offer higher technical performances, have larger footprint and longer Return on Investment.

With RoboAccess\_Pal S, Sidel has made the union of the best from the cobotic and robotic worlds.

Finding high palletizing performances in a compact footprint.

Benefitting from 50+ years of expertise in palletizing with 5,000 installations worldwide including 1,300 in robotics and 140 in cobotics, this new compact solution provides a high level of agility, operability, and performances.



PERSONAL  
CARE



HOME  
CARE



FOOD

### SPEECHLESS PERFORMANCES

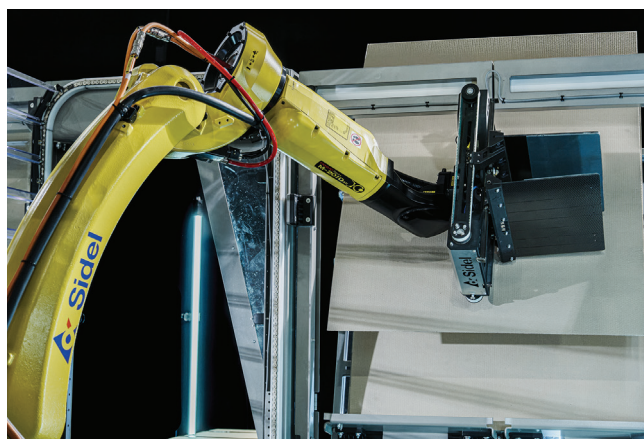
- Speed up to 12 cycles/min (1 to 6 cases per payload depending on size)
- Payload up to 25kg (25kg with vacuum gripper and 20kg with clamping gripper)
- Return on Investment from 1 to 2 years\* in average (\*based on one operator working 2 shifts in Europe or North America)
- Delivery time of 10 weeks
- Pallet height up to 1700 mm
- All major pallet sizes



### COMPACTNESS

#### As compact as cobotic solutions:

- Less than 12m<sup>2</sup> footprint for 2 stations
- Less than 8m<sup>2</sup> for 1 pallet station
- New patented clamping head design concept, with independent clamps, optimizing overall cell footprint
- Patented mobile physical curtain system allowing the reduction of machine footprint compared to light curtains





## AGILITY

- Extensive secondary packaging capability thanks to large gripping head range including:
  - Foam plates
  - Suction cups
  - New patented clamping head made of carbon fiber and 3D printed parts, to lighten the tooling weight to consequently increase the case/pack payload
- Modular industrialized configurable concept: large library of modules allowing various machine configurations
- Fast and repeatable changeovers for vertical start-ups delivering ever-shorter production stops
- Pallet pattern management thanks to PalDesigner® pallet configuration tool
- Effortlessly movable capability in 15 minutes with easy to install Plug & Play features thanks to patented folding guarding system



## OPERABILITY

### Operator centric approach for fast ownership

- Safe and ergonomic to operate: full pallet removal and new empty pallet supply done in hidden time with full protection thanks to patented mobile physical curtain system isolating the operator from robot working on 2nd pallet station
- Clear & centralized operator guidance for fast problem solving, with lots of features embedded in the user-friendly HMI: Standard Operating Procedures (SOP), One Point Lesson (OPL), ...
- Digital, automation & regulation expertise: OMAC compliant (software totally designed to be Pack ML incl. Make2Pack) while being compatible with Sidel EVO-On digital service platform
- 2 Automation standards from 2 major brands with worldwide set-up and availability



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