



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 5,500 installations worldwide including 1,500 in robotics and 250 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 11 cycles/min (1 to 6 cases per payload depending on size)
- Payload up to 25kg/55lbs (25kg/55lbs with vacuum gripper and 20kg/44lbs 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)
- Pallet height up to 1900 mm or 6,2 ft. Possibility to add in option an elevating column to reach a pallet height of up to 2200mm or 7,2 ft
- All major pallet sizes



COMPACTNESS

As compact as cobotic solutions:

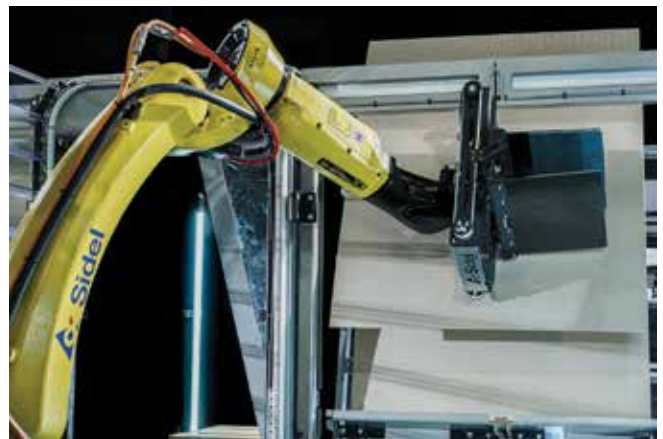
- Less than 12m²/129 sq ft footprint for 2 stations
- Less than 8m²/86 sq ft for 1 pallet station
- New patented clamping head design concept, with independent clamps, optimizing overall cell footprint
- Patented mobile physical curtain system allowing the reduction of machine footprint compared to light 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

