

MILK CRATE PALLETIZER



HY-D-FLEX^{MD}
PALLETIZER

OPTIONS

DATA SHEET

WEB SITE

PRESENTATION

Robovic's milk crate palletizer is an **innovative solution** for stacking milk crates. The particularity of our system is in the robotic piling, which eliminates 5 or 6 crates stacked on the conveyors.

This advanced technique **optimizes product visibility** and also provides **easier access** to crates and other production lines. The system securely feeds the crates one after the other onto the infeed conveyor.

The milk crate palletizer is equipped with a row gripper capable of handling **9 crates at a time**. This system can handle partial rows and stacking.

FEATURES & ADVANTAGES

- **Safe, secure** and **precise deposit** preventing crates from falling.
- Specifically designed for food industry.
- **Fully automatic**, reduces manpower.
- Eliminates stacker for every line.
- Secures crates while travelling along conveyor.
- Avoids wear on crates from traditional conveyors.
- Wide range of configurations and options possible.
- Optimized consumption for high energy efficiency.
- Production speed : up to **54 crates/min**.

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INNOVATIVE SOLUTION

In order to obtain high level reliability as well as perfect stacking, the milk crate palletizer is also equipped with several sensor systems that **detect damaged** or **improperly filled** crates, broken pallets or unstable stacking.

The system can handle production from **several production lines** (maximum 4) with speeds of 54 crates per minute. Production speed can be increased by adding a second robot within the same cel. Several additional options such as wrapping and tagging are available to obtain a perfectly integrated solution.



OPTIONS

- Second robot to obtain higher speeds.
- Top sheet.
- Wrapper and tagger.
- Broken bottom crate detector.
- Faulty filled milk crate detector.
- Defective pallet detector.
- Faulty piling detector.

DATA SHEET

Robot:	ABB IRB 660
Speed:	Maximum capacity 54 boxes per minute / robot
Gripper:	Mechanical, 9 crates
Feeding:	4 lines maximum per production
Power supply:	575 VAC & 120 V/1/60 15A
Construction:	Painted steel - (stainless steel option)
Temperature:	Between 4°C to + 50°C
Configuration:	Variety of configurations available Dimensions : 28' x 32', (8.5 m x 9.7 m)