



Empty crates nester



Crates nester

A crates nester is a machine that makes a bundle of three empty crates, having two crates with the open side facing each other, and another crate inside the two, for a better use of the space when stocking the crates.

The crates entry is controlled by a pneumatic brake before the chain feeding conveyor. This conveyor is coupled to a rollers conveyor which moves the crates to the rotator.

The crates rotator places the crates in the right position for their following assembly, which takes place in the slanted section. The railings and the upper aligner guide the crates.

FEATURES & BENEFITS

- Once the crates are assembled, they are positioned on the assembly table to be picked up by the palletizer clamp that is stacking the layers on the pallet.
- The palletizer movement is controlled by two speed variators, for the smooth operation of the machine, which control the clamp (horizontal & vertical movements).
- For further automation, the nester can be installed with an automatic pallet infeed.
- Highest quality standards to ensure long durability.

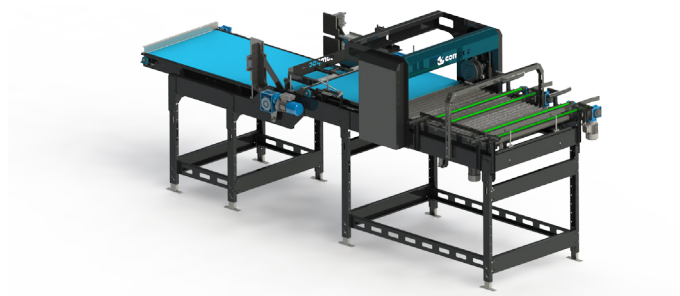


KEY SPECIFICATIONS

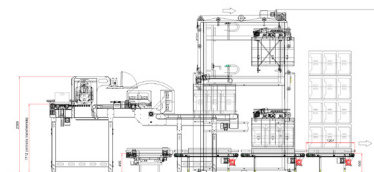
- Designed to comply with the Machine Directive of the European Union (CE) 2006/42/CE
- Maximum capacity: 1.440 crates/hour (24 crates/min)

TECHNICAL INFORMATION

- Power: 3 phases - 400 V - 50 Hz
- Power consumption: 6,33 KW
- Air consumption: 35 litres/min
- Designed with mechanical fencing system and electronic safety according to CE regulations.



3D scheme for a crates nester with double entry for empty crates



Plant and side view of a crates nester