ITALPROJECT DE-PALLETIZER OR D18

End of lane automation

EoLA is the new way of conceiving cartoning and palletizing systems, which include all products of the newly created reality. The range of solutions is very wide and full of options to customize the Eola to the way you work and to satisfy all your requirements.

ITALPROJECT DE-PALLETIZER OR D18

ITALPROJECT OR D18 is capable of de-palletizing at a speed of up to 180,000 eggs/hour with plastic trays (Egg Cargo System). The OptiRobot head handles trays, dividers and pallets. The system can be installed upstream any kind of Grader loader; solutions range from 1 to 2 stack loading conveyors and from 1 to 2 full pallet positions. The system includes a pallet aligner to ensure stable egg pallets.

The system picks up 4 stacks at a time and loads them onto a conveyor connected to a loading conveyor. If necessary, the tray stacks are synchronized with the loader conveyor, depending on the loader brand. The full pallet accumulation conveyor can be customized to reduce the time of loading full egg pallets and to make the system as independent as possible. In addition, our standard de-palletizer system is developed to guarantee 100% full speed with no stops, even if dividers or pallets are discharged or fed.

ITALPROJECT OR D18 basic configuration is composed by:

- OptiRobot and OptiRobot head
- 1 loading tray stack conveyor
- 1 full pallet position (buffer of 3 full pallets)
- 1 empty pallet position
- 1 divider position
- 1 aligner
- 1 door
- Safety barriers
- Electrical control box

OPTIONS:

- Full pallet inlet modular extension (to obtain a fuller pallet buffer)
- Change lot system/signal (change lot plate extraction system)
- Tray stack loading conveyor modular extension
- Weighing system
- Doors

Customized configuration is available on request.

SAFETY AND SERVICE

All ITALPROJECT products and systems are designed to meet the industry safety standards.

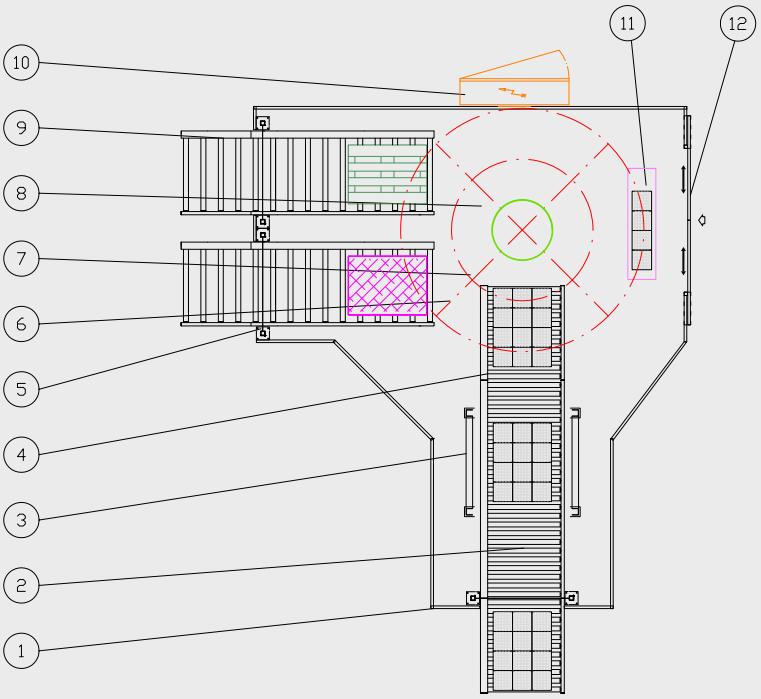
A comprehensive service organisation is always available to assist in the selection of the right maintenance programme or individual spare part.

TECHNICAL DATA - BASIC LAYOUT:

Capacity:	Maximum 180.000 eggs/hour
Empty pallet maximum height:	1500mm
Divider maximum height:	1500mm
Power supply:	400V – N – ground, 3 phase AC, 50/60 Hz
Power consumption:	18 kW
Air pressure:	6 bar (system equipped with pressure regulator)
OptiRobot weight:	2240 Kg.
OptiRobot base:	1480mmx1480mm
Floor fixation:	Data will be included on layout

Numerous different standard layouts are available to find the most advantageous and preferred farm configuration.

1 Safety fences
2 Motorized roller conveyor
3 Pallet compactor
4 Motorized roller conveyor
5 Photocell barrier
6 Optirobot head
7 Optirobot
8 Optirobot basement
9 Motorized roller conveyor
10 Electrical control box
11 Tray stacks loading conveyor
12 Door



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