



FREDDI

AUTOMATIC CASE ERECTOR/CASE PACKER

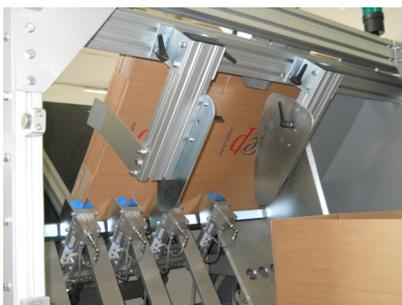
mod. FC/12



FC/12 CASE ERECTOR IS DESIGNED TO ERECT CFC CORRUGATE AMERICAN CARTON WITH DIFFERENT SIZES, MAIN FEATURES OF THE MACHINES ARE USER FRIENDLY CONCEPT, RELIABILITY AND RAPID CHANGE SIZE FROM SMALL TO BIG CARTONS.

MACHINE COULD BE INTEGRATED WITH A PICK & PLACE SYSTEM BECOMING A CASE PACKER MONOBLOCK

Description



FC/12 case erector has a modular concept, this guarantee great flexibility; in fact same machine could be equipped as a single case erector having both tape or hot glue closure, in alternative same machine could be equipped with product layer preparation and picking head becoming a case packer mono block.

A big advantage of this case erector/case packer is the opening carton technology, in fact using a double arm equipped with suction cups gripping cartons in the two opposite sides could guarantee to erect cartons also in extreme cases like high humidity, really low quality carton, bad carton's matching, etc.

In addition a special trolley moving cartons from erecting area to unloading/product inserting area guarantee a perfect squared shape of carton's, important aspect for both following filling process and esthetical impact. Carton's magazine is inclined with no chains or belts in movement, easy to feed by operator has a capacity of

about 100 flat cartons and could be feed without stop machine.

Machine is completely close in its perimeter with opening guards on three sides having safety switches, this guarantee complete protection for operators respecting CE standards.

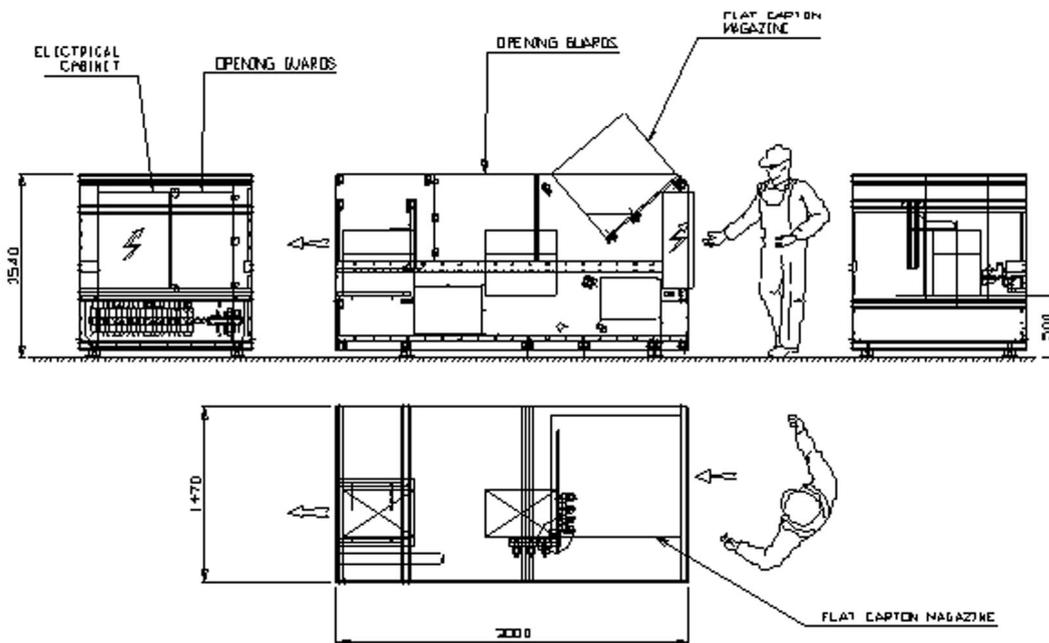
Machine has a design that guaranty compact dimensions and really strong structure minimizing maintenance operation, electrical panel with PLC and HMI is integrate in the machine, software is also modular and can be activates to erect cartons with tape closure or hot melt or adding case packing task.

Main machine's devices are pneumatic, pneumatic valves unit and FRL unit are on the same electrical panel side to guarantee to operator complete control of the machine; blinking lights column is installed on the machine's top to visualize the machine status and give visual information also regarding some no critical situation like "empty magazine", "empty glue tank", etc.



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Technical data

Installed power: 1 kW

Air consumption: 160 NI/min

Output: max 10 cartons/min.

Carton's dimensions:

MIN. 180x240x200H mm.

MAX. 600x400x350H mm.

Carton closure: BOPP tape or hot melt



Description of the main parts:

- Painted carbon steel main frame supporting all devices. The machine is completed with fixed and opening safety guards;
- Inclined static carton magazine with capacity of about 100 flat cartons (with the option to be extended), magazine is equipped with suction cups moved by an automatic arm feeding carton's opening area;
- Carton's preparation area installed in a lower level respect the flat carton's magazine;
- Erecting carton's device equipped with suction cups and having a 90° rotary movement;
- Pneumatic devices closing carton's lower flaps;
- Pushing system displacing erected carton from the erecting area to the case filling area;
- Bottom taping unit or hot melt unit for glue closure;
- FRL compressed air treatment device with solenoid valves unit;
- Guards and machine protections in conformity with CE standards;
- Electrical control cabinet programmable logic controller (PLC) and HMI;

Machine could be completed with conveyor feeding product to be packed complete of matrix preparation and pick & place system to fill case with product.