

DRIVE BELTS	AUTOMATION GRADE	BOX FORMAT	FORMAT SETTING	SEALING TECHNOLOGY
SIDE	FULLY AUTOMATIC	UNIFORM	MANUAL	PSA TAPES

# BoxR

## IN LINE AUTOMATIC CASE ERECTOR

BoxR is the new entry level automatic case erector with boxes storage in line, reducing the footprint compared to standard machines, especially where space limitations are crucial.

It is designed to form, fold and at a later stage to seal with adhesive tape the bottom of boxes before the downstream operation of filling and top sealing.

Thanks to the limited investment needed and the simplicity in use, it is the best solution to start automating manual or semi-automatic box erection and sealing.



### KEY BENEFITS

#### SAVE SPACE

Limited footprint thanks to the in-line magazine

#### FIRST STEP INTO THE AUTOMATIC BOX ERECTION

Limited investment to boost packing processes with automatic operations that avoid the poor ergonomics and productivity of the manual erection

#### BOX SQUARING GUARANTEED

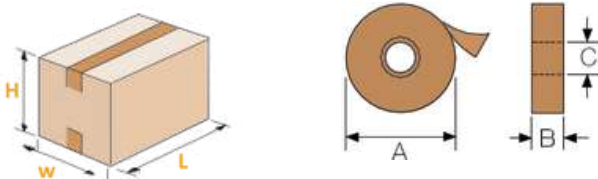
Solid and efficient squaring process, able to guarantee good quality boxes for smooth downstream operations

#### SAFETY FIRST

Equipped with emergency interlocks, both magazine and moving parts fully protected ensuring maximum safety and usability in compliance with the latest CE regulations

#### SIMPLE LINE INTEGRATION

PLC based with standard signal exchange for a simple integration into new or existing lines



### SPECIFICATIONS

#### Boxes

Box Min (mm) LxWxH	200 x 150 x 150
Box Max (mm) LxWxH	450 x 400 x 450
Box Type	RSC, HSC, FEFCO 0200/0201
Flute Type	B-C-E
The indicated sizes apply in situations where all of them are present simultaneously. If your boxes exceed the mentioned dimensions, it is possible to exceed the limits for one dimension as the values of the others decrease. For a more accurate assessment, please contact SIAT.	

#### Machine

Productivity up to (bpm) (Based on the shortest processible box length)	10
Box storage up to	150
Box Exit	Left - Right
Sealing type	PSA Tape
Taping Units	K11 (2")
Tape Leg (mm)	70
Processable Tapes	PVC / OPP / PET / Paper
Tape Reel Max DIA (mm)	410
Inner Tape Core (mm)	76
Air Consumption (NI/Cycle)	48
(BH) Workbench height (mm)	from 650 to 900
Standard PLC	SIEMENS S7-1200
Power Supply	380/415V 50Hz 3PH+N+PE
Power Absorption (Amps)	1,33
Pneumatic Supply (bar)	5,5-7
Installed Power (kW)	0,36
Machine Dimensions LxWxH (mm)	3.715 x 1.515 x 1.800 - 2.150
Machine Weight (Kg)	550



## KEY FEATURES

### In-Line Magazine



Gravity In-Line magazine with a storage up to 150 boxes along the same line of the box erection, limiting the overall footprint of the machine where the space saving becomes crucial

### Consistent Box Erection



It is equipped with an arm activated by a pneumatic system (Venturi) with suction cups to take cartons from the boxes storage, to fold and to take them away by drive belts for the bottom flaps folding & sealing

### Best-in-class Taping Unit



Equipped with SIAT K series Taping Units, a market benchmark which offers:

- Smooth and consistent tape application
- Fast reel change and threading

### Intuitive Control Panel



Simple integrated control panel equipped with different features: Manual mode, Automatic mode, Emergency, Reset, Start

### Safety in Operations



CE Version equipped with complete set of safety fences which follow the most updated machine CE Regulations, with interlocks and RFID sensors.

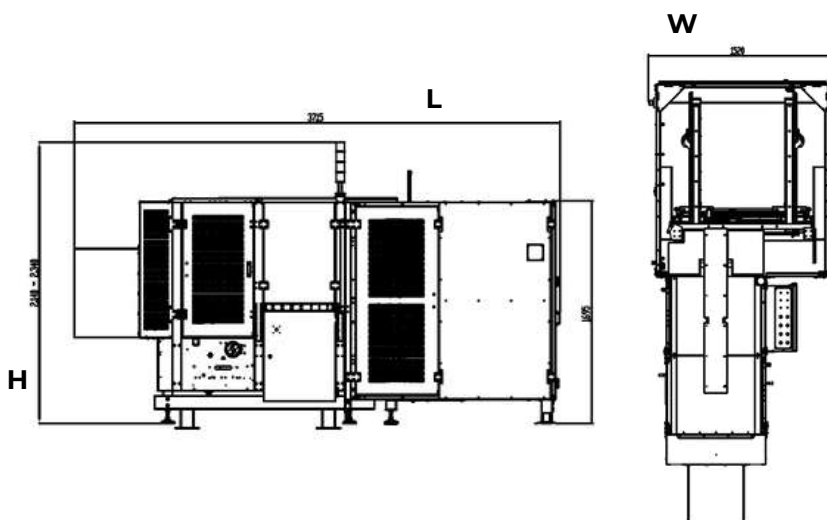
### Line Integration



Equipped with PLC, can manage many signals as standard to be shared with the rest of the packing line.

OUT: Working mode, Emergency Alarm, End/Broken Tape, Box ready, Machine Alarm

IN: Full line, End/Broken tape exclusion



## OPTIONALS

Conveyors: GTL- GTR (extendable conveyors), RG (roller conveyor)

SIAT K-Series K12 (3" - 75mm)

Non-CE Compliant version

