

Box R

IN LINE AUTOMATIC CASE ERECTOR



TAPING EQUIPMENT

100%
MADE in ITALY

HOW TO SELECT A CASE ERECTOR?

The case erection process, **it is crucial to choose the right solution to your needs**. The suitability of a case erector for your specific processes, and which one to choose, depends on various factors. **To take the right decision, it's crucial to consider the following points:**



PRODUCTIVITY & BOX SIZES

Standard model up to **10 bpm**, or **high-speed** models up to **20 bpm** or even more. **Basic** models cover **smaller box ranges** and **types** compared to modular machines.



BOX LOADING & FEEDING

It is **crucial** how the **boxes** are **managed** in the **magazine** and handled for feeding into the machine.



BOX SQUARING

How the blanks are picked-up, opened and squared. **Squaring** mode and squaring quality are fundamental, as cases are **easy to stack**, **avoid jams** downstream, **protects** the products inside better.



BOX TRANSFER & SEALING

The way to manage the **transport** of the box and the **quality** of **sealing** technology have **strong impact** on the final output.



HMI & INTEGRATION

The models differ in **control technology** and **interface**, in architecture and the complexity of the **exchange signals** with the other machines in the **packaging line**.



SAFETY

Safety should be **granted** but it is possible to get **much more** than the must-to-have within the Machine Regulation limits.

Based on these fundamental features, **SIAT** has developed **solutions** that fit the needs of the market, offering in his range **two main types of machines**:

STANDARD MACHINES

Entry Level case Erectors



WAREHOUSES & SMALL PRODUCTION COMPANIES

Smaller businesses, usually with simple packaging lines, often hybrid environment with consistent presence of labor, especially in box filling.

MODULAR MACHINES

Premium Level case Erectors



BIG PRODUCTION & MANUFACTURING COMPANIES

Big businesses with increasing volumes, where Case Erectors are part of fully automatic packaging lines, with higher level of communication and with the need of extra features to optimize the production and limit line stops.



Quick Return on Investment

The investment in automatic case erectors is often perceived as high and intimidating in the packaging industry. However, companies who took this step quickly justified the initial cost.

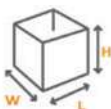
If production exceeds 2.000 boxes per day, the investment payback is achieved within the first year

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 semiautomatic box erection



10 BPM



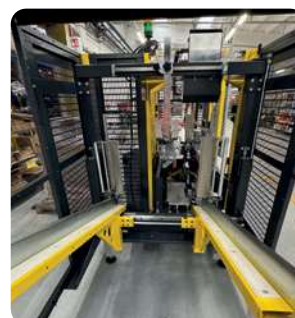
MIN. BOX SIZE (L x W x H)
200 x 150 x 150

MAX. BOX SIZE (L x W x H)
450 x 400 x 450



ALL IN LINE

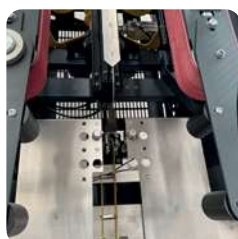
In line gravity magazine with a storage up to **150 blanks** along the **same line** of the box erection, **limiting the overall footprint** of the machine where the space saving becomes crucial.



GUARANCY OF SQUARING

Excellent box squaring with fully **pneumatic system**, through adjustable pick-up arm, lateral guides, active major and minor

flap folding system and auto-alignment function of the drive belts. The squaring cycle is independent from the box size guaranteeing the **max throughput** with all the formats.



EXCELLENT SEALING

High friction coefficient drive belts in combination with **SIAT K Taping Unit**, lead to **smooth and consistent box transfer and bottom sealing**.



SIMPLE IN CONTROL, EASY TO INTEGRATE

Analogic Control panel and SIEMENS PLC S7 1200 for simple control by operator and functional **line integration**, with **Dry Contact** or **Profinet**.



MODULAR SAFETY

Equipped with complete set of safety fences which follow the most update machine regulations, with **interlocks** and **RFID sensor**. Movable barriers and part of the guards are transparent to **maximize the internal control** of the machine. In accordance with current safety regulations, the machine is available without certain protective fences

