



## THE AUTOMATION STEP IN CASE ERECTING

WHY AUTOMATING CASE  
ERECTING REDUCES LABOR  
COSTS AND QUICKLY  
PAYS BACK THE INVESTMENT



CASE ERECTING

100%  
MADE in ITALY

## FROM MANUAL TO AUTOMATION

Manual case erecting is a labour-intensive process where productivity depends entirely on the operator, often creating bottlenecks in the packaging line. Automating this operation dramatically increases output: while manual work typically reaches about 3 boxes per minute, an automatic case erector can process up to 20 boxes per minute, reducing the time required to prepare 1500 boxes from 8 hours to around 2.5 hours. **The result is over 230% higher productivity**, together with lower operational costs, improved ergonomics and more consistent box quality.

	Manual	Automatic
Boxes/min	3	up to 20
Boxes/hour	180	1200
Time for 1500 boxes	8 hours	2.5 hours

### +230% productivity

Manual case erecting is labour-intensive and often creates bottlenecks at the start of the packaging line. Automating this operation ensures a continuous flow of perfectly formed cases, improving line efficiency and preventing downstream interruptions. The result is higher productivity, lower operational costs and a fast return on investment.

Even if manual case erecting seems inexpensive, **the real cost quickly adds up when labor time and production volumes are considered.**

Operation	Cost per box
Manual case erecting	€0.07
Automatic case erector	€0.003

### Example

- Production volume: 1200 boxes per hour
- Daily production (8-hour shift): 9,600 boxes per day
- Saving per box: €0.067

#### Result

≈ €640 saving per day  
≈ €140,000 saving per year



## AUTOMATION THAT PAYS FOR ITSELF

Automation can significantly reduce the hidden costs associated with manual case erecting. By increasing productivity and eliminating repetitive manual operations, **the SIAT range** of automatic case erectors **can generate substantial operational savings** across different production volumes. Depending on the selected machine and application, these savings can quickly offset the initial investment, delivering a fast and measurable return.

Machine	Boxes/min	Annual Saving	Payback
BoxR	up to 10 bpm	≈ €70,000 / year	≈ 11 months
EZ-Box 20	up to 20 bpm	≈ €140,000 / year	≈ 18 months
EZ-Box XL	up to 15 bpm	≈ €105,000 / year	≈ 20 months
EZ-Box Tall	up to 20 bpm	≈ €140,000 / year	≈ 23 months
EZ-Box Glue	up to 20 bpm	≈ €140,000 / year	≈ 22 months

*Assumptions: operator cost €22/hour, 8-hour shift, 220 working days/year. Estimated savings based on the elimination of manual case erecting labour. Actual results may vary depending on production conditions.*

## PERFECTLY FORMED CASES. NON-STOP.

Reliable case erecting is essential for maintaining a smooth and efficient packaging process. As the starting point of the packaging line, the case erector must ensure a continuous supply of perfectly formed cases to prevent downstream interruptions and maximize productivity. The SIAT range is designed to deliver high reliability, consistent case quality and effortless operation, supporting stable line performance and a fast return on investment.



### Maximum uptime

Efficient box magazines and automated carton handling ensure a continuous supply of blanks, allowing operators to reload boxes quickly and helping maintain a stable flow at the beginning of the packaging line.



### Perfect box squaring

Advanced vacuum gripping and squaring systems ensure perfectly formed 90° cases, improving downstream filling, sealing and palletizing efficiency.



### Effortless operation & fast ROI

Quick format change and intuitive operator interfaces simplify daily operation, while automation reduces labour dependency and delivers a fast return on investment.



## Why choose the SIAT case erector range

With a combination of reliability, productivity and ease of operation, the SIAT case erector range provides the ideal solution for automating case forming across different production needs. From entry-level applications to high-throughput packaging lines, SIAT machines ensure perfectly formed cases, stable line performance and a fast return on investment, making them a reliable foundation for modern packaging operations.

## The SIAT Group



Headquartered in Northern Italy, SIAT is established as a quality leader in end-of-line industrial packaging solutions, specializing in taping, strapping and wrapping machines, as well as flexographic printing machines.

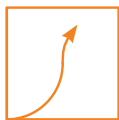
Based in Ohio (USA), Combi is a Northern American producer of industrial packaging systems, engineering and manufacturing case erectors, tray formers, case sealers, case packers, robotic packaging systems, and ergonomic monoblock hand-packing stations.



Located in Northern Italy, Tam has been producing small metal parts and providing precision machining services for over 30 years.

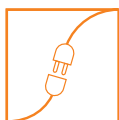
For over 50 years, we have been manufacturing high-tech equipment and are proud to be recognized by our customers as among the leading brands in packaging machinery and components. Our solutions are utilized across various industries, including food and beverage, e-commerce, logistics, packaging, and consumer products.

## Our machines are designed to:



### Increase customer productivity

Our machines boast an average life of 25 years, while our customers pay off their investment in only 4 to 5 months.



### Total lower cost of ownership

Our machines are designed for easy maintenance and simple installation. They are developed to be user-friendly and durable, while also being easy to integrate and manage.



### Reduce environmental impact

We strongly believe in pursuing this goal through our environmental approach, envisioning the future of packaging as a collaborative effort with our customers to find the most sustainable and secure solutions. Each machine is designed to consume less energy, minimize material usage, and reduce waste.



### Be connected

Thanks to Optirun, the SIAT Group's IoT solutions brand, we can calculate tape and box consumption, monitor film usage, and track all machine parameters to prevent downtime.



### E-commerce

Buy directly at [www.shop.siat.com](http://www.shop.siat.com)



### Service

Contact our field service Team at [servicenow@siat.com](mailto:servicenow@siat.com)



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