

DRIVE BELTS	AUTOMATION GRADE	BOX FORMAT	FORMAT SETTING	SEALING TECHNOLOGY
SIDE	FULLY AUTOMATIC	UNIFORM	MANUAL	HOT MELT GLUE

# EZ Box Glue

## HIGH SPEED HOT MELT AUTOMATIC CASE ERECTOR

EZ Box is a range of fully automatic case erectors designed for high-demand packaging environments, forming, folding and sealing the bottom of cases before filling and top closing.

EZ-Box Glue is the new Hot Melt version within the platform, easily integrable into packaging lines and among the highest-performing solutions on the market. It ensures strong structural integrity with a rigid, tamper-evident bond, improves case squaring, and handles a wide range of corrugated board qualities.



### KEY BENEFITS

#### HIGH PERFORMANCE

Up to 20 boxes/minute  
(box dimensions & quality dependent)

#### GUARANTEED BOX SQUARING

Advanced squaring system ensures precise 90° cases, overcoming variations in box quality and construction, and enabling consistent forming and reliable glue sealing on every box

#### ADVANCED HOT MELT SEALING CONTROL

High-performance gluing system with adjustable patterns and glue quantity directly from PLC/HMI (up to 4 points per flap), combined with an 8L tank for extended autonomy → strong, tamper-evident sealing, optimized adhesive consumption, and reduced downtime for continuous production

#### SEAMLESS INTEGRATION INTO AUTOMATED LINES

PLC-based architecture with complete signal exchange, Profinet and OPC-UA connectivity, and full control of both case erector and Hot Melt gluing system from a single HMI → efficient integration and centralized management

#### VERSATILY & FLEXIBILITY

Possibility to work with both right and left-handed boxes offering high flexibility in production layout management

#### MAXIMUM UPTIME BY DESIGN

Motorized walk-in magazine enables continuous loading and reduces jams → uninterrupted operation and higher line efficiency

#### BEST IMAGE AND TAMPER-EVIDENCE

Hot Melt sealing improves packaging quality and reliability, ensuring strong and secure closure even with heavy loads, reducing the risk of failures in transit and delivering a clean, tamper-evident result compared to tape.



### SPECIFICATIONS

#### Boxes

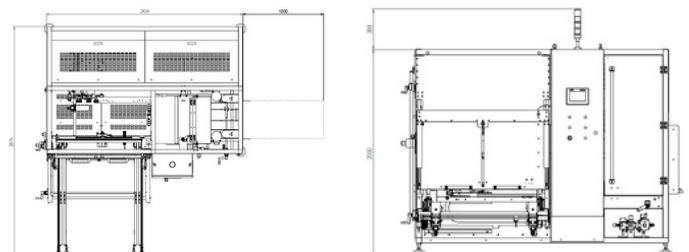
##### EZ-Box 20 Glue

Box Min (mm) LxWxH	200 x 150 x 100
Box Max (mm) LxWxH	600 x 400 x 450

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)	20
Box Storage	120 -220 (opt.)
Box Exit	Left - Right
Sealing Type	Hot Melt Glue
Gluer Type	Valco Melton KUBE Series (8l)
Air Consumption (NI/Cycle)	3,5
Workbench Height (mm)	from 600 to 700
Standard PLC	SIEMENS S7-1200
EZ Power Supply	380/415V 50Hz 3PH+PE
EZ Installed Power (kW)	1,47
EZ Current Absorption (Amps)	5,6
HM Gluer Power Supply	400V 50Hz 3Ph+N+PE
HM Gluer Installed Power (kW)	2,38
HM Current Absorption (Amps)	11
Pneumatic Supply (bar)	5,5-7
Machine Dimensions LxWxH (mm)	2.550 x 2.870 x 2.000
Machine Weight (Kg)	550



## KEY FEATURES

### Ergonomic Blank Magazine



- Motorized Walk-in Magazine for easy blank loading from 120 to 220 blank storage
- End-of-boxes detection to minimize downtimings
- 3 minutes changeover for continuous production

### Excellent Case Forming



- Guaranty of square boxes with:
- 4 self-cleaning vacuum cups with Venturi
  - Back squaring paddle
  - Positive flap folding
  - Extra box flap opener

### Continous and Secure Sealing



Equipped with premium gluing system Valco Melton Series Kube, an energy-efficient melter which applies 4 gluing points. The extended capacity of 8 l ensures glue stabilization and improves production uptime

### All Controls at the Fingertips

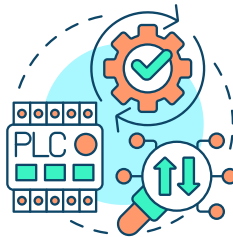


Intuitive 7" touchscreen display with:

- Manual and automatic operations,
- Clear C.E. and Gluer diagnostics
- Recipes

Full control of the case erector and gluing system from a single HMI, with direct setting of gluing modes and patterns.

### Line Integration



Equipped with PLC, can manage many signals as standard to be shared with the rest of the packing line with both Profinet and OPC-UA protocols.

- OUT: Working mode, Emergency Alarm, End of Glue/Gluing System Alarms, Box ready, Box Out, Low Carton Blanks, Machine Alarm
- IN: Full line, External Emergency Stop

### Remote Assistance



Available with SIAT Connect system for remote connection and assistance:

- secure and easy internet access
- advanced safety for remote access management
- troubleshoot remotely

### Forget the Print Orientations & Be Flexible on Layout

#### LAYOUT

Standard

Right-handed Box

Opposite Hand Box Kit

In case of one box design and more than one EZ in line, with Opposite Hand Box Kit you can optimize upstream layout and improve ergonomoy and efficiency

#### PRINT ORIENTATION

Standard

Right-handed Box

Left-handed Box

Opposite Hand Box Kit

Right-handed Box

Left-handed Box

it is possible to process both right- and left-handed cases owning just one machine

## ACCESSORIES

Higher work bench 700 to 800mm	SIAT Connct	Extended Magazine up to 220 boxes
Non-CE Compliant version		Opposite Hand Boxes Kit

