



SIAT

M. J. MAILLIS GROUP

HM11-T/TB

HM145

HM146

Hot Melt Case Sealers



**NANDEE
STRAPAC**

PACKAGING
PARTNER

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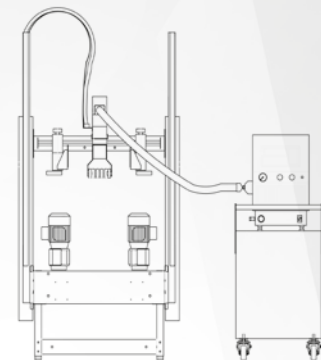
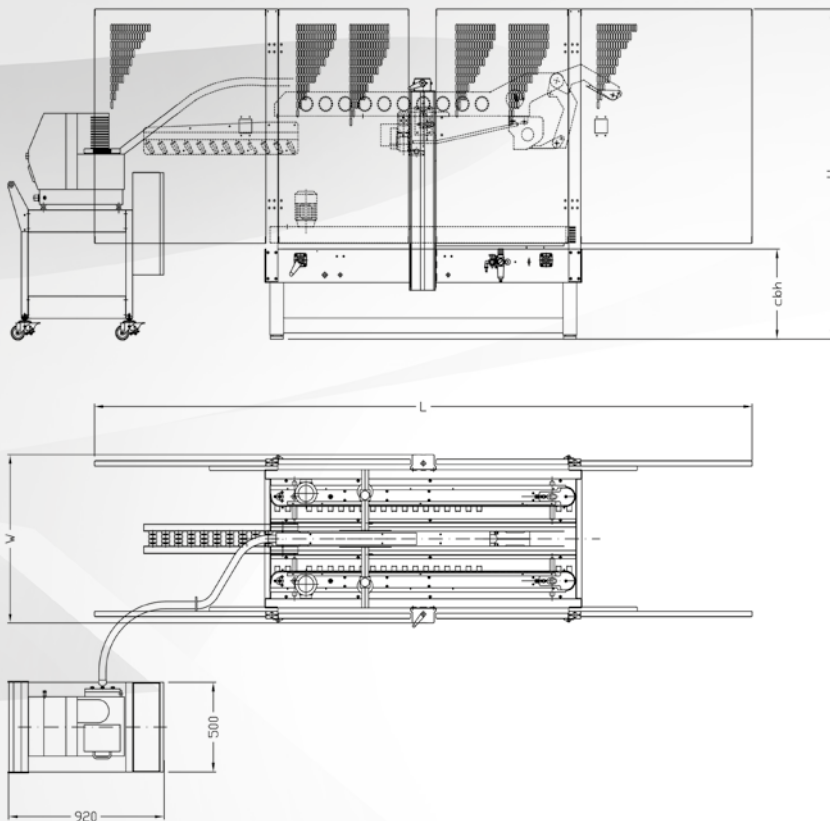
HM11-T/TB

HM11-T automatic hot-melt carton sealer.

Automatic Hot Melt case sealer with side driven belts and manual dimensioning, suitable to seal the **upper** parts of boxes of the same size coming from filling line. It doesn't require the presence of an operator.

The box coming from a filling station, with the bottom part sealed, is taken and driven through the driven belts inside the machine where injectors apply 4 strips of Hot Melt glue. The **upper** flaps, after being folded, are kept in pressure by a suitable presser until the next box arrives.

The Hot Melt sealer doesn't require the presence of an operator except for the glue adjustments and feeding. It is equipped with an anti-accident guard with panels which prevents the operator from coming into contact with the moving parts or with high temperatures parts.



HM11-TB automatic hot-melt carton sealer.

Automatic Hot Melt case sealer with side driven belts and manual dimensioning, suitable to seal the **upper and lower** parts of boxes of the same size coming from filling line. It doesn't require the presence of an operator.

The box coming from a filling station, with the bottom part sealed, is taken and driven through the driven belts inside the machine where injectors apply 4 strips of Hot Melt glue. The **upper and lower** flaps, after being folded, are kept in pressure by a suitable presser until the next box arrives.

The Hot Melt sealer doesn't require the presence of an operator except for the glue adjustments and feeding. It is equipped with an anti-accident guard with panels which prevents the operator from coming into contact with the moving parts or with high temperatures parts.

	HM11-T	HM11-TB
L	3498	3838
W	938	938
H	1745 / 2085	1745 / 2085

Key Features

- Manual adjustment on the different box sizes (width, height, length) by handles
- Side motorized driven belts (2 x 75 mm width each)
- Driven belts speed 21 m/min
- 2 x Motors kW 0,18 each

HM11-T:

- Top gluing unit spreading the glue on the top cartons flaps while boxes are passing through the machine, before top flaps folding

HM11-TB:

- Top & bottom gluing unit spreading the glue on the top and bottom cartons flaps while boxes are passing through the machine, before top flaps folding
- ROBATECH® Hot Melt generator on an independent carriage with casters with 5 Kg tank, tube and gun with 4 spreading valves included (other brands on request)
- Generator adjusts glue temperature & volume
- Memorization of sealing programs
- Timer setting to allow pre-heating adjustment
- Box dimensions adjustment
- Side safety protections connected to electro-pneumatic disconnection switches and stop emergency button
- Control panel equipped with: main switch start, stop button, stop emergency button and photocells to control glued boxes passing
- Machine controlled by PLC

HM11-T/TB

Automatic Hot Melt case sealer with side driven belts and manual dimensioning, suitable to seal the upper and lower parts of boxes of the same size coming from filling line. It doesn't require the presence of an operator.

The box coming from a filling station, with the bottom part sealed, is taken and driven through the driven belts inside the machine where injectors apply 4 strips of Hot Melt glue. The upper and lower flaps, after being folded, are kept in pressure by a suitable presser until the next box arrives.

The Hot Melt sealer doesn't require the presence of an operator except for the glue adjustments and feeding. It is equipped with an anti-accident guard with panels which prevents the operator from coming into contact with the moving parts or with high temperatures parts.



Closing system of the lower flaps (only HM11-TB)



Optional touch screen panel



Upper hot melt system gun



HM11-TB
Optional polycarbonate
safety protections panels

for more details:



other languages: www.siat.com



HM145/146

Automatic case former with side driven belts and manual dimensioning, suitable to seal the lower part of boxes with Hot Melt glue. It doesn't require the presence of an operator.

The operator, after having filled the box storage with boxes and adjusted the machine, presses the START button. The machine automatically picks up a box from the boxes storage and a carriage drags the box which is automatically opened by the box-opener lever. Then the box is pushed by a second carriage into the machine through the side driven belts, while the flap folder devices partially fold the laps.



Control panel

HM145/146
front view of
DX model



HM145/146
boxes storage view
DX model



Detail of closing system of the lower flaps



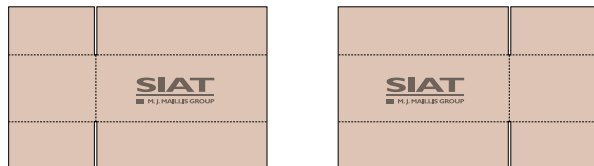
Key features of HM145:

- Box storage for 150 boxes
- Box storage available on left side (SX) or right side (DX)
- 2 x Carriages moved by compressed air with suckers to pick up cartons from box storage, square and push them in motorized driven belts (2 x Motors kW 0,55 each) the bottom flaps folding & sealing with Hot Melt glue
- ROBATECH® Hot Melt generator positioned on an external carriage with casters (other brand on request)
- VENTURI® vacuum system
- Control panel equipped with: box counter - box timer, low box storage alarm, glue end alarm, full line alarm after the machine
- Safety protections with switches to disconnect electric and pneumatic circuits if opened
- Machine controlled by PLC

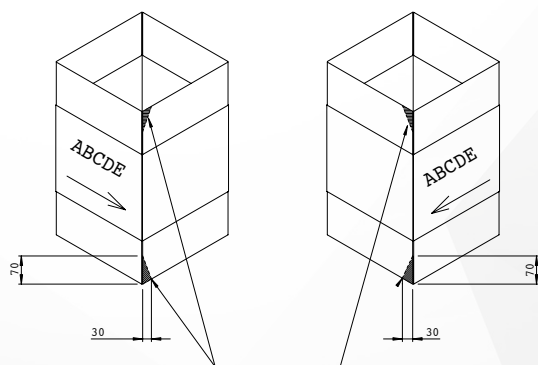
Key features of HM146:

- Box storage for 150 boxes
- Box storage available on left side (SX) or right side (DX)
- 2 x Carriages moved by compressed air with suckers to pick cartons from box storage, square and push them in motorized driven belts (2 x Motors kW 0,55 each) for the bottom flaps folding & sealing Hot Melt glue
- ROBATECH® Hot Melt generator positioned on an external carriage with casters (other brand on request)
- VENTURI® vacuum system
- Control panel equipped with: box counter - box timer, low box storage alarm, glue end alarm, full line alarm after the machine
- Safety protections with switches to disconnect electric & pneumatic circuits if opened
- Machine controlled by PLC

How to choose between a right hand and a left hand machine when using printed boxes



Modifications to be done on the squared boxes

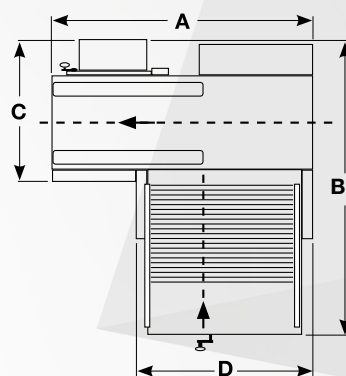


Overall machine dimensions with standard or optional extended box storage

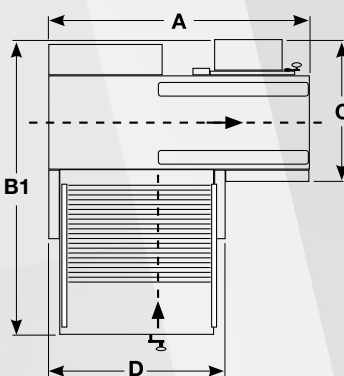
	HM145	HM146
A	3110	3280
B1	2290	2290
B2	3290	3290
C	1002	1020
D	1317	1320
H	1790 / 1890	1790 / 1890

Standard box storage capacity: 80 ÷ 150 boxes according to thickness.

SX

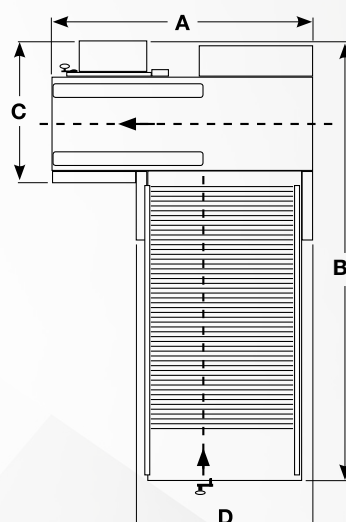


DX

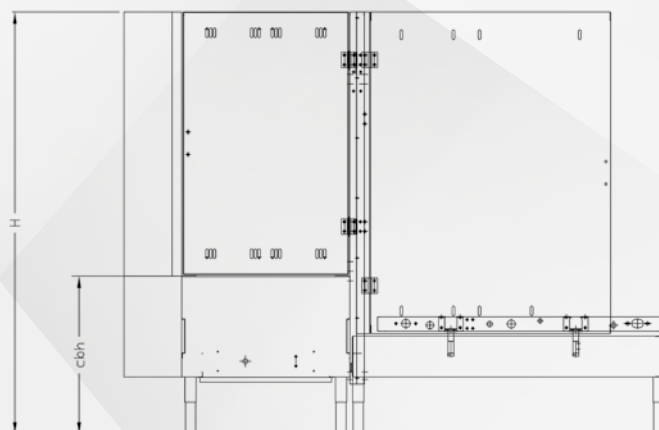
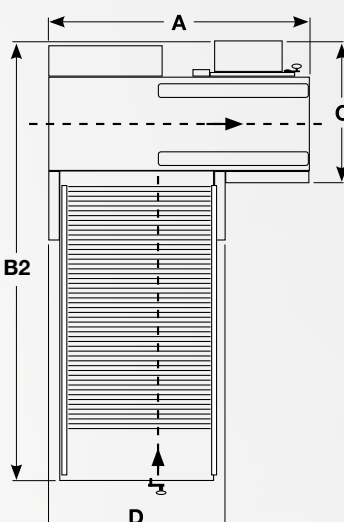


Extended box storage capacity: 160 ÷ 300 boxes according to thickness.

SX



DX






> Machine dimensions

> HM11-T/TB

> HM145

> HM146

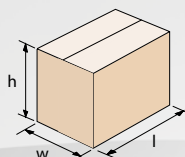
Size / Weight packaging			LxWxH 
> HM11-T	255	350	270x120x213
> HM11-TB	420	550	305x120x213
> HM145	780	1000	310x235x265
> HM146	830	1050	330x235x265

	Min.	Max
H	1745	2085
cbh	485	825
AS 77	585	925
AS 80	685	1025

	Min.	Max
H	1790	1890
cbh	545	645
AS 109	665	765
AS 80	n.a.	n.a.

	Min.	Max
H	1790	1890
cbh	545	645
AS 109	665	765
AS 80	n.a.	n.a.

> Box dimensions



> HM11-T

> HM11-TB

> HM145

> HM146

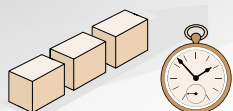
	Min.	Max
l	200	600
w	150	500
h	150	500

	Min.	Max
l	200	500
w	150	500
h	150	500

	Min.	Max
l	200	560
w	150	350
h	200	450

	Min.	Max
l	300	600
w	200	400
h	200	450

> Production capacity



> HM11-T	Bph
Max pcs.*	1200

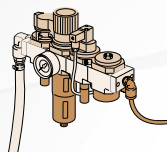
> HM11-TB	Bph
Max pcs.*	1000

> HM145	Bph
Max pcs.*	500

> HM146	Bph
Max pcs.*	400

* Always based on shorter manageable box

> Air consumption



> HM11-T	Nl.
Cycle	2,1

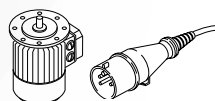
> HM11-TB	Nl.
Cycle	2,2

> HM145	Nl.
Cycle	12

> HM146	Nl.
Cycle	12

from 5,5 bar to 7 bar

> Standard voltage



> HM11-T

> HM11-TB

> HM145

> HM146

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	1,33
Power kW	0,36
Phase	3Ph+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	1,33
Power kW	0,36
Phase	3Ph+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	3,93
Power kW	1,11
Phase	3Ph+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	3,93
Power kW	1,11
Phase	3Ph+PE

> Robatech * Hot-Melt applicator (other brands on request)



380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	5,2
Power kW	2,37
Phase	3Ph+N+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	6
Power kW	2,56
Phase	3Ph+N+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	4,5
Power kW	2,24
Phase	3Ph+N+PE

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	4,5
Power kW	2,24
Phase	3Ph+N+PE

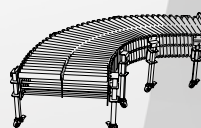
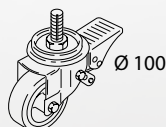
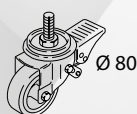
> Optionals

> AS80 (only for HM11)
Higer legs

> AS77 (only for HM11)
Casters

> AS109
Casters

> GTL - GTR
Extendable conveyor



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