



SIAT

M. J. MAILLIS GROUP

F44

F144-F344 range

Automatic Case Erectors



CE

F44

The automatic case erectors F44, with storage boxes in line, is designed to form and at a later stage to seal with adhesive tape the bottom flaps of boxes, ready then to be filled, with a variable output up to 480 boxes/hour according to box dimensions. Machine adjustments are simple and fast. F44 model is easy to operate and is built in accordance with CE safety standards.



Control panel

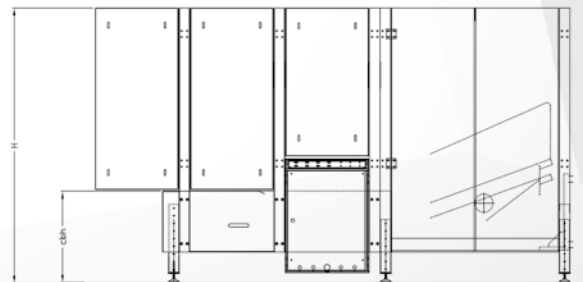
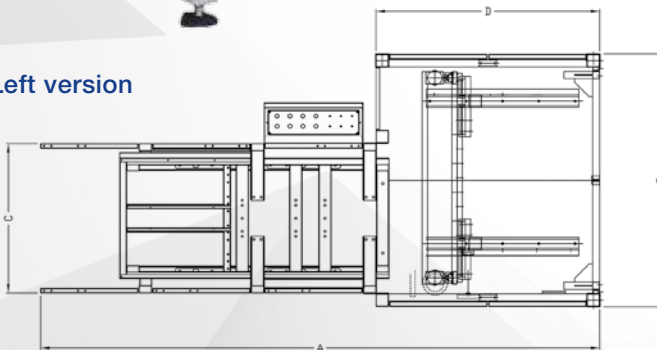
Polycarbonate safety protections panels



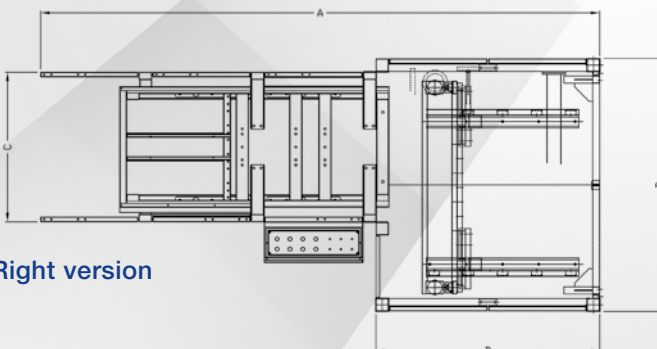
Key Features

- Gravity box storage for 150 boxes
- Boxes storage in line with driven belts and sealing unit
- Driven belts speed 21 m/min.
- Production up to 480 boxes/hour
- 1 x Arm moved by compressed air with suckers to pick cartons from box storage, square and push them in motorized driven belts (2 x Motors kW 0,18 each) for the bottom flaps folding & sealing
- Taping unit K11R - 50 mm width
- VENTURI® vacuum system
- Control panel equipped with: box counter - box timer, low box storage alarm, brake/end tape alarm, full line alarm after the machine
- Safety protections with switches to disconnect electric and pneumatic circuits if opened
- Machine controlled by PLC

SX - Left version



DX - Right version



	F44
A	3113
B	1405
C	830
D	1246
H	1800 / 2150

for more details:



F144

The automatic case erectors F144 is designed to form and at a later stage to seal with adhesive tape the bottom flaps of boxes, ready then to be filled, with a variable output up to 700 boxes/hour according to box dimensions. Machine adjustments are simple and fast. F144 model is easy to operate and is built in accordance with CE safety standards.

Key Features

- Box storage for 150 boxes
- Box storage available on left side (SX) or right side (DX)
- Production up to 700 boxes/hour
- 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 0,18 each) for the bottom flaps forming and sealing
- Taping unit K11R - 50 mm width
- VENTURI® vacuum system
- Control panel equipped with: box counter - box timer, low box storage alarm, brake/end tape alarm, full line alarm after the machine
- Safety protections with switches to disconnect electric & pneumatic circuits if opened
- Machine controlled by PLC



Control panel with optic indicators of operation anomalies



Metal safety protections panels

3 levels light



Pneumatic cylinders for box moving and box squaring



Automatic case erector, model F144 inox

for more details:



F344

The automatic case erectors F344 is designed to form and at a later stage to seal with adhesive tape the bottom flaps of boxes, ready then to be filled, with a variable output up to 1100 boxes/hour according to box dimensions. Machine adjustments are simple and fast. F344 model is easy to operate and is built in accordance with CE safety standards.

Key Features

- Box storage for 150 boxes
- Box storage available on left side (SX) or right side (DX)
- Production up to 1100 boxes/hour
- 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 0,65 each) for the bottom flaps folding & sealing
- Taping unit K11R - 50 mm width
- Pump vacuum system
- Control panel equipped with: Touch Screen panel with trouble shooting, automatic "0" setting up, suckers carriage speed adjustment, box counter - box timer, low box storage alarm, brake/end tape alarm, full line alarm after the machine
- Safety protections with switches to disconnect electric & pneumatic circuits if opened
- Machine controlled by PLC



Touch screen control panel for machine functions management

3 levels light


Polycarbonate safety protections panels (optional)



Standard/extended box storage



Vacuum pump for box keeping

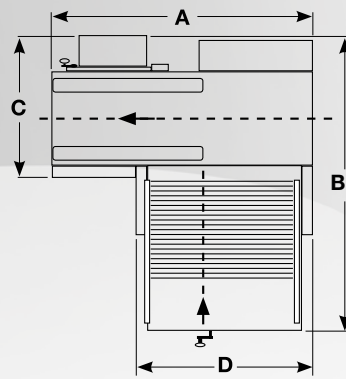
for more details: 

F144 / F344 left (SX) and right (DX) version

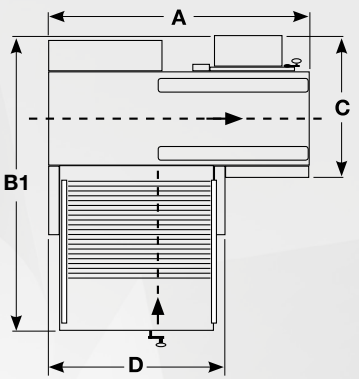


Standard box storage capacity: 80 ÷ 150 boxes according to thickness.

SX

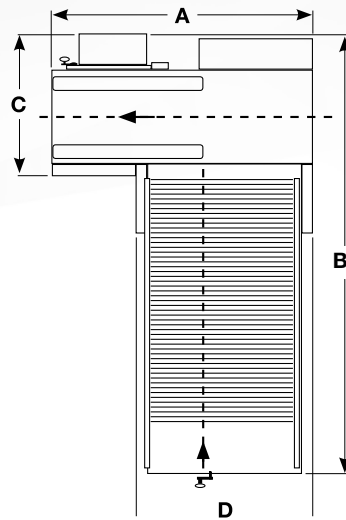


DX

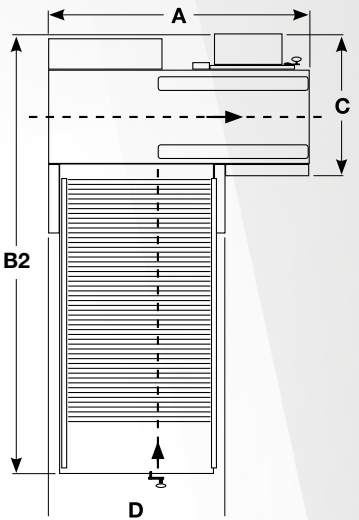


Extended box storage capacity: 160 ÷ 300 boxes according to thickness.

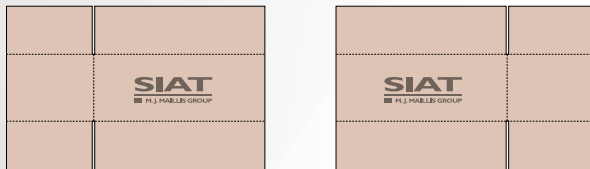
SX



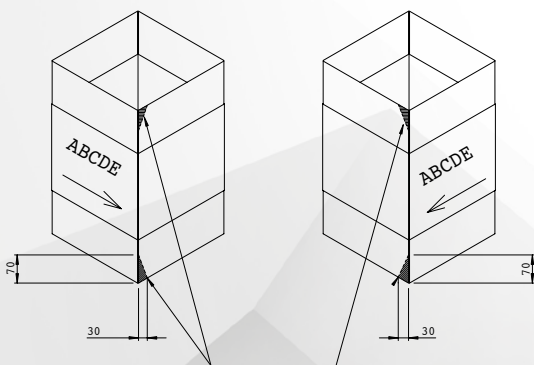
DX



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

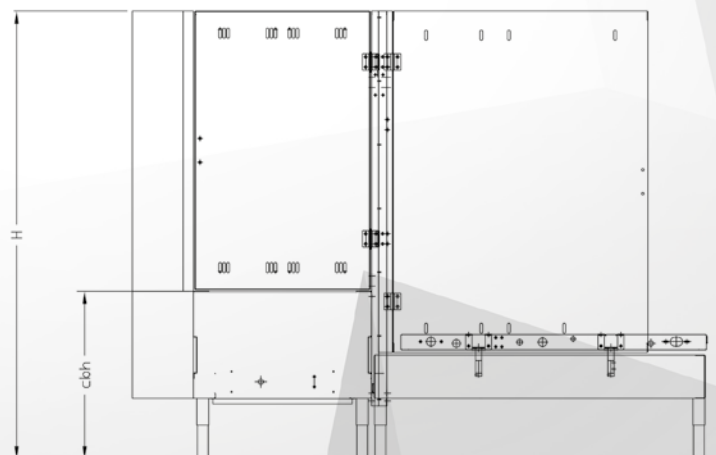


Modifications to be done on the squared boxes






Overall machine dimensions with standard or optional extended box storage

	F144/4 F344/4	F144 F344	F145 F345	F146 F346
A	1720	1720	1840	1940
B1	2280	2280	2300	2370
B2	-	3280	3340	3370
C	1060	1060	1020	1050
D	1100	1100	1230	1320
H	1645 / 1800	1645 / 1800	1645 / 1800	1750 / 1950



> **Machine dimensions**
 Dimensioni macchina
 Machinmessungen
 Dimensions machine
 Dimensiones de la màquina

Size / Weigth packaging			LxWxH 
> F44	550	850	290x150x220
> F144-F144/4 > F344-F344/4	600	850	255x210x220
> F145 - F345	600	850	255x210x220
> F146 - F346	650	850	255x240x220

> **F44**

	Min.	Max
H	1800	2150
cbh	600	950
AS 77	700	1050

> **F144-F344-F144/4-F344/4**

	Min.	Max
H	1645	1800
cbh	545	700
AS 109	665	820

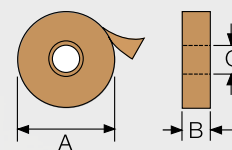
> **F145 - F345**

	Min.	Max
H	1645	1800
cbh	545	700
AS 109	665	820

> **F146 - F346**

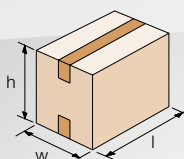
	Min.	Max
H	1750	1950
cbh	650	850
AS 109	770	970

> **Taping units**
 Unità nastranti
 Verschlusseinheiten
 Unité enrubanouse
 Unidades de precinto



K11R/ K12R	
mm	
A	410 Max
B	50 / 75
C	76

> **Box dimensions**
 Dimensioni delle scatole
 Kartonabmessungen
 Dimensions des boîtes
 Dimensiones de las cajas



> **F44**

	K11R std. / K12R on demand	
	Min.	Max
l	200	450
w	150	350
h	150	450

> **F144 - F344**

	K11R std. / K12R on demand	
	Min.	Max
l	150	450
w	150	350
h	150	450

> **F144/4 - F344/4**

	K11R std. / K12R on demand	
	Min.	Max
l	150	450
w	130	350
h	120	400

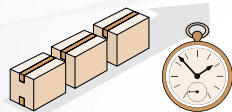
> **F145-F345**

	K11R std. / K12R on demand	
	Min.	Max
l	200	560
w	150	350
h	150	450

> **F146-F346**

	K11R std. / K12R on demand	
	Min.	Max
l	300	620
w	200	400
h	220	450

> **Production capacity**
 Capacità di produzione
 Produktionskapazität
 Capacité de production
 Capacidad de producción



> F44	Bph
Max pcs.*	480

> F144 > F144/4	Bph
Max pcs.*	700

> F145	Bph
Max pcs.*	600

> F146	Bph
Max pcs.*	500

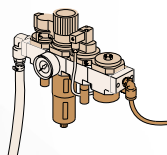
* Always based on shorter manageable box

> F344 > F344/4	Bph
Max pcs.*	1100

> F345	Bph
Max pcs.*	1000

> F346	Bph
Max pcs.*	900

> **Air consumption**
 Consumo aria
 Luftverbrauch
 Consommation d'air
 Consumo de aire



> F44	Nl.
Cycle	48

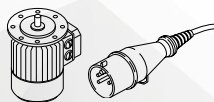
> F144 > F144/4	Nl.
Cycle	48

> F145 > F146	Nl.
Cycle	54

> F344 > F344/4 > F345 > F346	Nl.
Cycle	9

from 5,5 bar to 7 bar

> **Standard voltage**
 Voltaggio standard
 Standardspannung
 Tension standard
 Voltaje estándar



> **F44**

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

> **F144 - F144/4 - F145 - F146**

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

> **F344 - F344/4 - F345 - F346**

380/400V - 50Hz - 3F	
440V - 60Hz - 3F	
Amps	5,73
Power kW	1,31
Phase	3Ph + N + PE

> **Optionals**
 Accessori
 Zubehör
 Accessoires
 Accesorios

> **AS77 (only for F44)**
 Casters
 Set ruote
 Satz Umlaufräder
 Roues
 Set ruedas

> **AS109**
 Casters
 Set ruote
 Satz Umlaufräder
 Roues
 Set ruedas

> **RG**
 Roller conveyor
 Piani a rulli Idler
 Rollenbahnen
 Plans à rouleaux
 Tramo de rodillos

> **GTL - GTR**
 Extendable conveyor
 Rulliera estensibile
 Ausziehbare rollenbahnen
 Convoyeur extensible
 Rodillos extensibles

