



# SIAT

M. J. MAILLIS GROUP



## SM11-N with BLDC motors

Automatic Case Sealing Machine



- Brushless Motors Driven
- Higher Speed
- Easy Setting
- Energy Saving
- 



for more details:



SM11-N

# SM11-N with BLDC motors

## Automatic Case Sealing Machine

SIAT, based on the long experience of the best-selling model of automatic carton sealing machine, SM11, has further improved the performance of this model both in terms of electronic and mechanical.

The introduction of the brushless motor technology grants clear key advantages: lower energy consumption (-30%), higher speed (+25%) and a "total" control of the belt functioning.

SIAT, being the first to apply this technology in our sector, confirms to be the technological leader.

The main advantages of BLDC motors are: low maintenance, no brush sparking, high operating speed, high efficiency, compact size and fast response.

Additional to the BLDC motors, we developed a new system to adjust the belt speed from 14 to 27 meters per minute. This is a very important feature to manage heavy, light or low quality boxes.

SM11-N model is an automatic "Fixed Format" machine: height and width adjustments are done manually, whereas the length is automatically adjusted through electronic control.

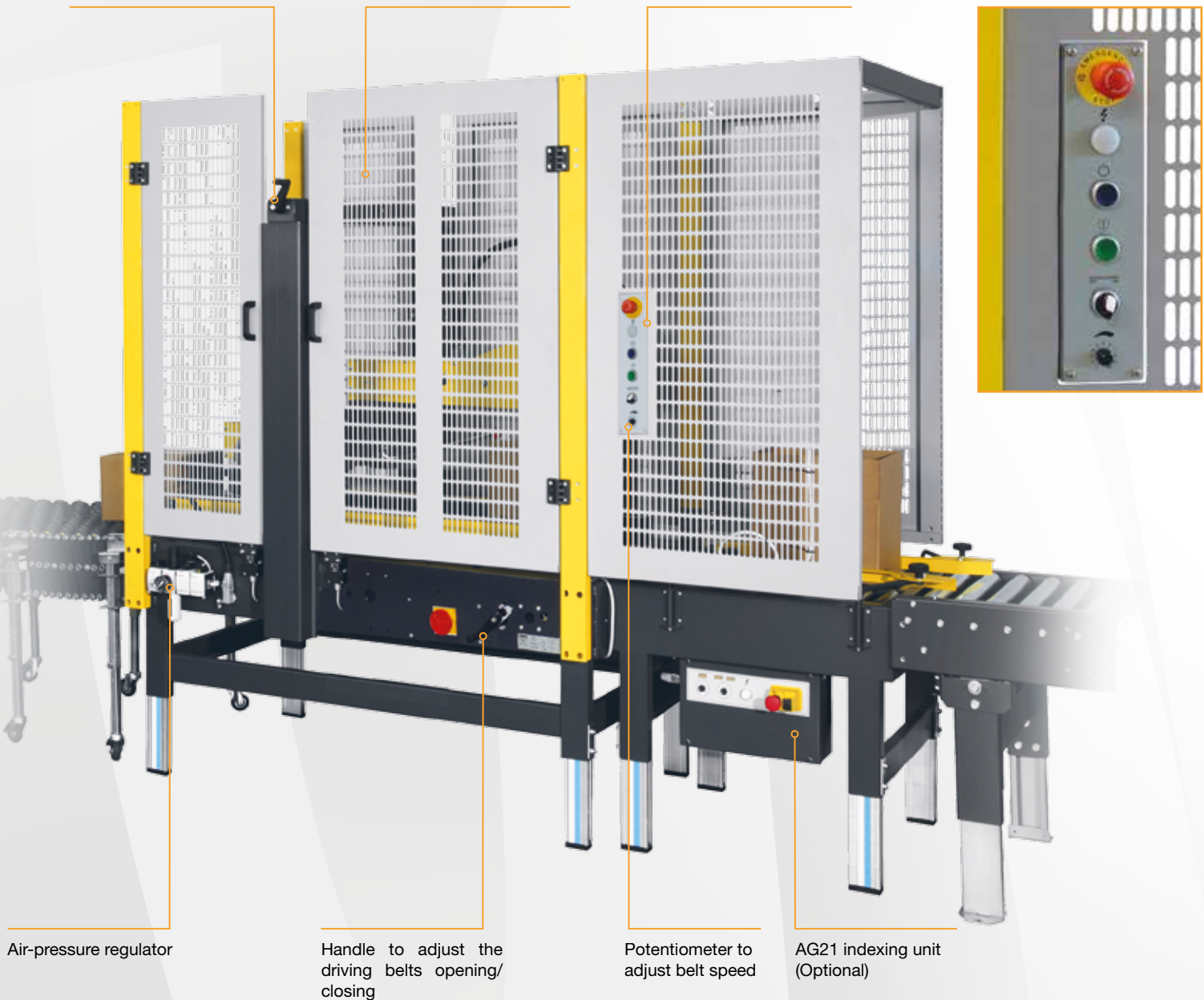
This system allows to decrease the distance between boxes speeding up the working cycle.

The machine apply automatically two self-adhesive tape stripes on the upper and lower boxes middle line.

Handle to adjust the top  
taping unit ascent/descent

Metal safety protection  
panels

Integrated control panel



Air-pressure regulator

Handle to adjust the  
driving belts opening/  
closing

Potentiometer to  
adjust belt speed

AG21 indexing unit  
(Optional)





New brushless motorizations



New Brushless DC motors have many advantages. Without brushes, there are many fewer parts that can wear out or break and need to be replaced. So, a BLDC motor is more reliable, last longer, and is more efficient. BLDC motor is also capable to operate with less noise and electromagnetic interferences, but with a higher speed. For these reasons, in our applications, we estimate an energy saving of about 30%.



Low tape/no tape sensor device (Optional)

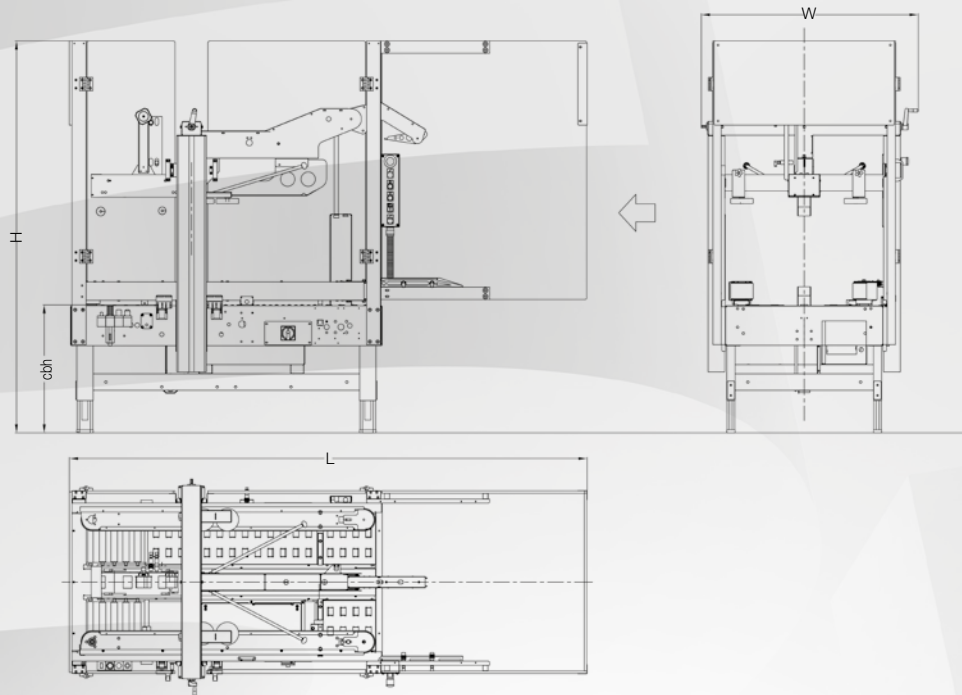
Automatic top flaps folding device



With a new electronic sensor we can regulate the flap folder movement easily and we can decrease the distances between the boxes: higher production capacity.

AG21 Motorized indexing unit with timer control (Optional)





> **Machine dimensions**  
 Dimensioni macchina  
 Machinemessungen  
 Dimensions machine  
 Dimensiones de la máquina

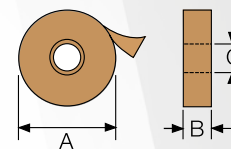
Size / Weight packaging			LxWxH
> <b>SM11-N</b>	320	390	160x110x205

> **SM11-N**

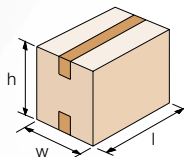
	Min.	Max
L	2526	-
W	1058	-
H	1770	2110
cbh	480	820
AS 77	580	920
AS 80	680	1020

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

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



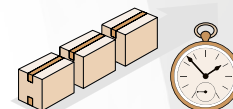
> **Box dimensions**  
 Dimensioni delle scatole  
 Kartonabmessungen  
 Dimensions des boîtes  
 Dimensiones de las cajas



> **SM11-N**

	K11R std. / K12R on demand	
	Min.	Max
l	200	600
w	150	500
h	100	600

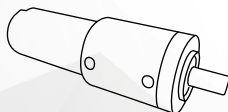
> **Production capacity**  
 Capacità di produzione  
 Produktionskapazität  
 Capacité de production  
 Capacidad de producción



> <b>SM11-N</b>	Bph
Max pcs.*	1200

\* Always based on shorter manageable box

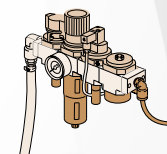
> **Standard voltage**  
 Voltaggio standard  
 Standardspannung  
 Tension standard  
 Voltaje estándar



> **SM11-N**

<b>BLDC motor power</b>	
<b>100 - 240V - 50Hz - 60Hz</b>	
Amps	4,5
Power kW	0,14
Phase	1Ph

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



> <b>SM11-N</b>	Nl.
Cycle	2

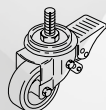
from 5,5 bar to 7 bar

> **Optionals**  
 Accessori  
 Zubehör  
 Accessories  
 Accesorios

> **AS80**  
 Higher legs  
 Set gambe più alte  
 Höhere Stützen  
 Pieds plus hauts  
 Set patas mas altas



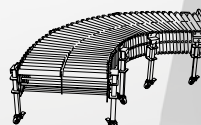
> **AS77**  
 Casters  
 Set ruote  
 Satz Umlaufräder  
 Roues  
 Set ruedas



> **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



> **K-125 / K-250**  
 Inkjet printer  
 Stampante ad inchiostro  
 Tintenstrahldrucker  
 Marquer à jet d'encre  
 Impresora de inyección de tinta

