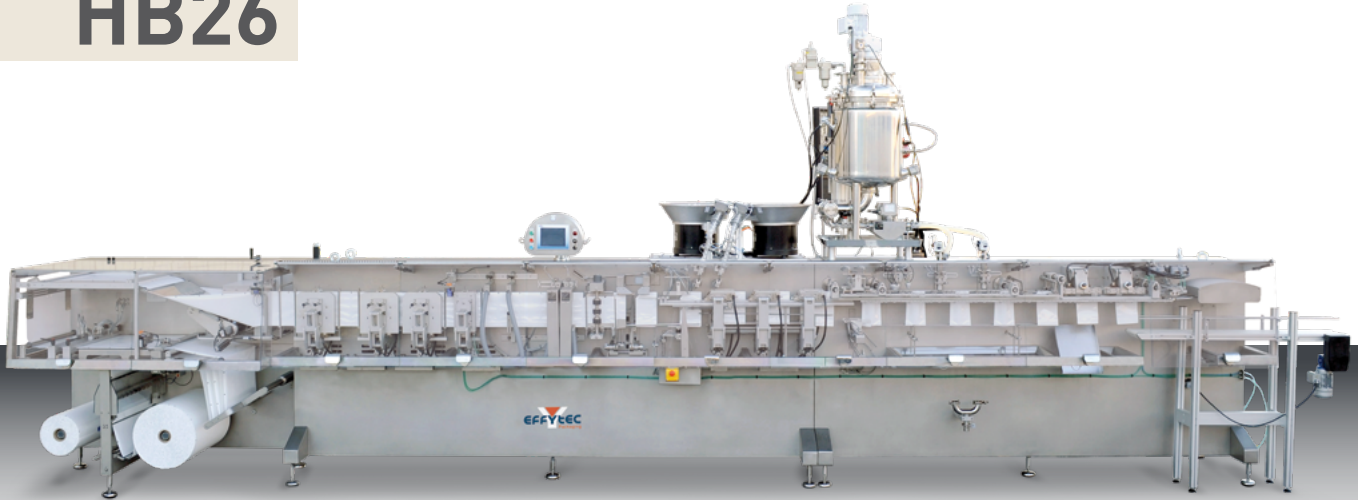


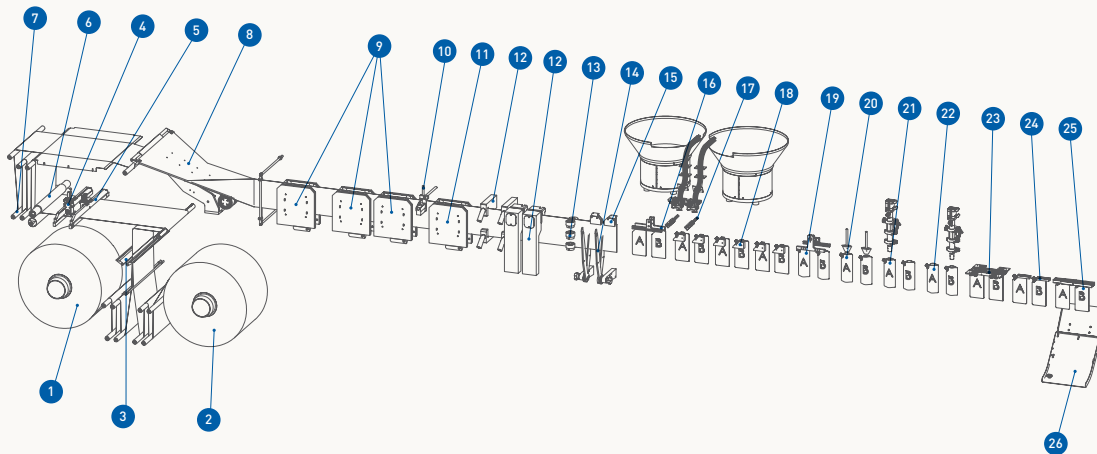
# HB26

DATA SHEET  
FICHA TÉCNICA  
FICHE TECHNIQUE

# HB26



**FLOW DIAGRAM**  
**DIAGRAMA DEL FLUJO**  
**DIAGRAMME DE FLUX**



- 1 Reel axle
- 2 Second reel axle
- 3 Automatic film splicer
- 4 Splicer and perforator photocells
- 5 Bottom perforating punch
- 6 Unwinding pulling rollers
- 7 Pulling tensioner
- 8 Forming plough and automatic film alignment
- 9 Sealing plates
- 10 Photocell
- 11 Cooling plate
- 12 Area for die cutting units
- 13 Servo film pulling unit
- 14 Scissors
- 15 Scissors grippers
- 16 Corner valve opening station
- 17 Valve pick and place
- 18 Vave welding jaws
- 19 Opening station
- 20 Blowing cone – Opening detection
- 21 1st Filling station
- 22 2nd Filling station
- 23 Stretching unit
- 24 Top sealing jaws
- 25 Top cooling jaws
- 26 Pouch exit and reject

- 1 Bobina
- 2 Segundo eje bobina
- 3 Empalmador automático de bobina
- 4 Fotocélulas del empalmador y perforador de fondo
- 5 Perforador de fondo
- 6 Rodillos desbobinadores
- 7 Rodillos compensadores
- 8 Triángulo formador y alineador automático del film
- 9 Placas de soldadura
- 10 Fotocélula
- 11 Placa de refrigeración
- 12 Zona para matrices
- 13 Unidad de tracción servo
- 14 Tijeras
- 15 Pinza tijeras
- 16 Estación de apertura Corner valve
- 17 Válvulas Pick & place
- 18 Sellado de las válvulas
- 19 Estación de apertura
- 20 Cono de soplado – Detección apertura sobre
- 21 1ª Estación de dosificación
- 22 2ª Estación de dosificación
- 23 Salida de sobres y rechazo
- 24 Mordaza superior sellado
- 25 Mordaza superior refrigerado
- 26 Salida de sobres y rechazo

- 1 Rouleau de bobine
- 2 Deuxième rouleau de bobine
- 3 Raccordement automatique de bobine
- 4 Photocellules de raccordement et perforation inférieure
- 5 Poinçon de perforation inférieure
- 6 Rouleaux de débobat
- 7 Tenseur
- 8 Triangle formateur et alignement automatique de film
- 9 Plaques de soudure
- 10 Photocellule
- 11 Plaque réfrigératrice
- 12 Zone de matrices
- 13 Unité d'entraînement servo
- 14 Ciseaux
- 15 Pincés ciseaux
- 16 Station d'ouverture bouchon à coin
- 17 Placement bouchon
- 18 Mâchoires soudure bouchon
- 19 Station d'ouverture
- 20 Cône de soufflage – Détection d'ouverture
- 21 1ère Station de remplissage
- 22 2ème Station de remplissage
- 23 Unité d'étirage
- 24 Mâchoire de soudure supérieure
- 25 Mâchoire de refroidissement
- 26 Sortie du sachet et rejet

## TECHNICAL DATA - DATOS TÉCNICOS - DONNÉES TECHNIQUES



	SIMPLEX	DUPLEX
<b>Filling stations</b> Estaciones de llenado Stations de remplissage	2-3	2-3
<b>Maximum volume (1)</b> Volumen máximo Volume maximale	2000 cc	800 cc
<b>Outside reel diameter</b> Diámetro exterior bobina Diamètre extérieur bobine	500 mm	500 mm
<b>Core reel diameter</b> Diámetro interior bobina Diamètre intérieur bobine	70-75 mm/150 mm	
<b>Maximum output</b> Velocidad máxima Vitesse maximale	75 cycles/min	75 cycles/min
<b>Power consumption (2)</b> Consumo eléctrico Consommation électrique	20 kw	20 kw
<b>Air consumption (2)</b> Consumo de aire comprimido Consommation pneumatique	300 l/min	300 l/min

(1) Depending on product, film, formats and final machine configuration.

(1) Dependiendo del producto, film, formatos y configuración final de la máquina.

(1) Selon le produit, le film, les formats et la configuration finale de la machine.

(2) Approx data, only for guidance.

(2) Datos aproximados, solo orientativos.

(2) Données uniquement orientatives.

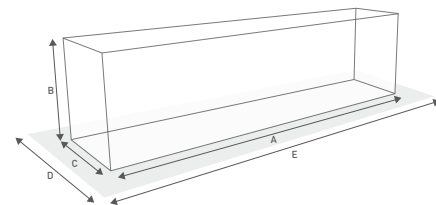
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## DIMENSIONS - DIMENSIONES - DIMENSIONS

	A	B	C	D*	E*
HB 26	7.150	1.650	1.400	3.000	8.750
HB 26 CORNER VALVE	8.630	1.650	1.400	3.000	10.200
HB 26 ZIPPER	7.950	1.650	1.400	3.000	9.550

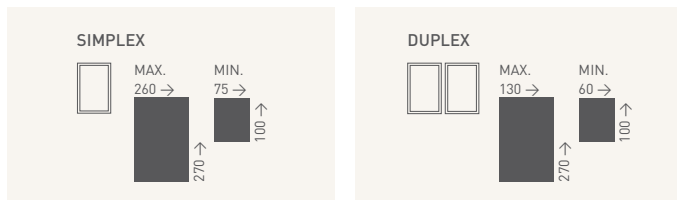


\*Minimum recommendable location area (mm).

\*Área de ubicación mínima recomendable (mm).

\*Zone de localisation minimum recommandable (mm).

## FORMAT RANGE DIMENSIONS - MEDIDAS DE SOBRE - DIMENSIONS SACHET



## TYPES OF SACHETS - TIPOS DE ENVASES - TYPES DE SACHETS

SIMPLEX	•	•	•	•	•	•	•		•	•	•	•	•	•	•
DUPLEX	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



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Miembro asociado de:



**BARCELONA  
 PACKAGING  
 HUB**



**amec**  
 Positive Industry

## TECHNICAL DATA - DATOS TÉCNICOS - DONNÉES TECHNIQUES

	SIMPLEX	DUPLEX
<b>Filling stations</b> Estaciones de llenado Stations de remplissage	1	1
<b>Maximum volume (1)</b> Volumen máximo Volume maximale	300 cc	100 cc
<b>Outside reel diameter</b> Diámetro exterior bobina Diamètre extérieur bobine	450 mm	450 mm
<b>Core reel diameter</b> Diámetro interior bobina Diamètre intérieur bobine	70-75 mm	
<b>Maximum output</b> Velocidad máxima Vitesse maximale	110 cycles/min	110 cycles/min
<b>Power consumption (2)</b> Consumo eléctrico Consommation électrique	7 kw	7,5 kw
<b>Air consumption (2)</b> Consumo de aire comprimido Consommation pneumatique	150 l/min	150 l/min

(1) Depending on product, film, formats and final machine configuration.

(1) Dependiendo del producto, film, formatos y configuración final de la máquina.

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(2) Donnés uniquement orientatives.

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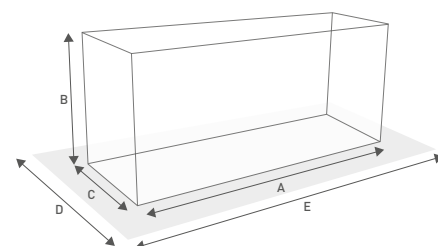
## DIMENSIONS - DIMENSIONES - DIMENSIONS

	A	B	C	D*	E*
HB 14	2.900	1.650	1.400	2.900	4.500

\*Minimum recommended location area (mm).

\*Área de ubicación mínima recomendable (mm).

\*Zone d'emplacement minimum recommandable (mm).



## FORMAT RANGE DIMENSIONS - MEDIDAS DE SOBRE - DIMENSIONS SACHET

Format	MAX.	MIN.
SIMPLEX	140 →	40 →
DUPLEX	70 →	40 →

Vertical dimensions: 190 ↑, 30 ↑

## TYPES OF SACHETS - TIPOS DE ENVASES - TYPES DE SACHETS

	SIMPLEX	DUPLEX
FLAT SACHET 3/4 SEALING	•	•
GUSSET	•	•
EUROHOLE	•	•
TOWELETTES	•	•
TWIN		•
PARTIAL SHAPED GUSSET	•	•
FLAT SACHET PARTIAL SHAPED	•	•



# HB14

DATA SHEET  
FICHA TÉCNICA  
FICHE TECHNIQUE



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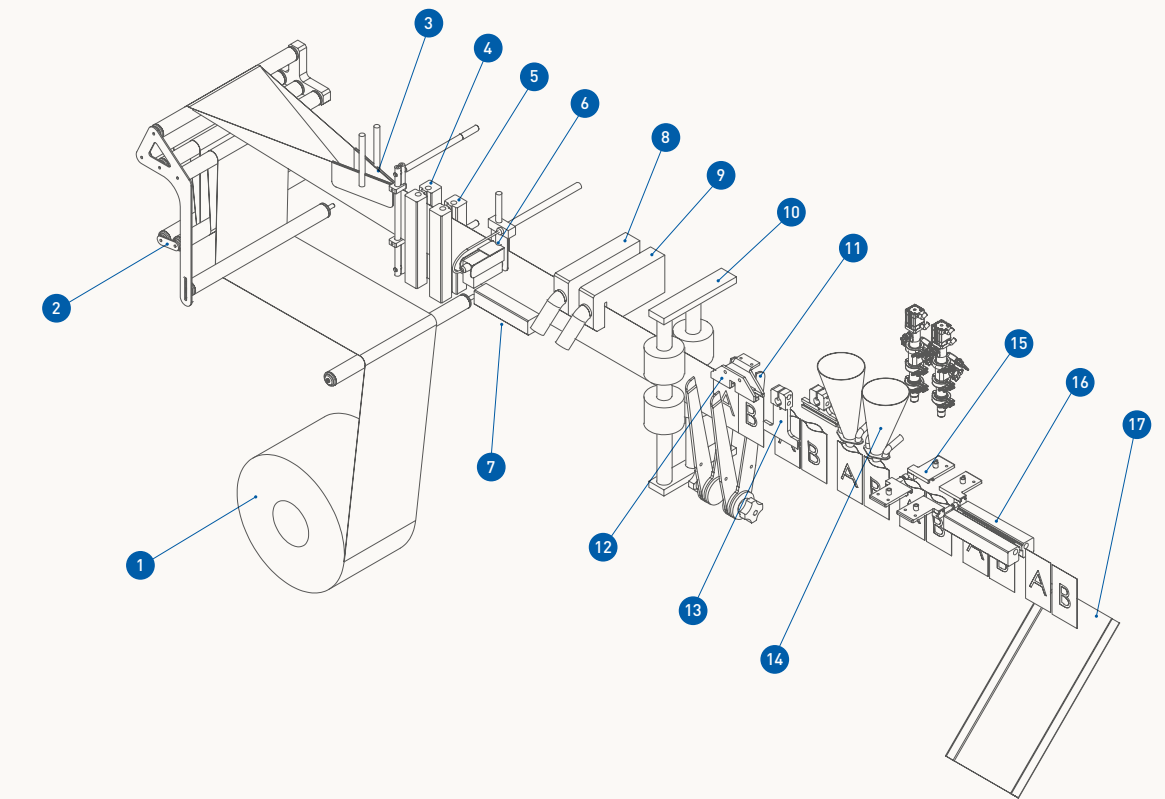
Miembro asociado de:



# HB14



## FLOW DIAGRAM - DIAGRAMA DEL FLUJO - DIAGRAMME DE FLUX



- |                            |                                      |                          |
|----------------------------|--------------------------------------|--------------------------|
| 1 Reel                     | 7 Bottom sealing                     | 13 Pouch opening         |
| 2 Compensating rollers     | 8 Area for cutting die units pouch A | 14 Filling station       |
| 3 Film guide               | 9 Area for cutting die units pouch B | 15 Stretching station    |
| 4 Vertical sealing pouch A | 10 Servo film pulling rollers        | 16 Top sealing           |
| 5 Vertical sealing pouch B | 11 Scissors                          | 17 Pouch exit and reject |
| 6 Photocell                | 12 Scissors gripper                  |                          |

- |                              |   |                             |
|------------------------------|---|-----------------------------|
| 1 Bobina                     | 7 Soldadura inferior                    | 13 Apertura bolsas          |
| 2 Rodillos compensadores     | 8 Zona para matrices sobre A            | 14 Estación de dosificación |
| 3 Guía film                  | 9 Zona para matrices sobre B            | 15 Estirado                 |
| 4 Soldadura vertical sobre A | 10 Rodillo de arrastre servo motorizado | 16 Soldadura superior       |
| 5 Soldadura vertical sobre B | 11 Tijeras                              | 17 Salida sobres y rechazo  |
| 6 Fotocélula                 | 12 Pinza tijeras                        |                             |

- |                              |   |                           |
|------------------------------|---|---------------------------|
| 1 Bobine                     | 7 Soudure inférieure                          | 12 Pince ciseaux          |
| 2 Rouleaux d'entrée          | 8 Zone matrices sachet A                      | 13 Station d'ouverture    |
| 3 Guide film                 | 9 Zone matrices sachet B                      | 14 Station de dosage      |
| 4 Soudure verticale sachet A | 10 Unité d'entraînement par rouleaux asservis | 15 Unité d'étirement      |
| 5 Soudure verticale sachet B | 11 Ciseaux                                    | 16 Soudure supérieure     |
| 6 Photocellule               |   | 17 Sortie sachet et rejet |



TECHNICAL DATA - DATOS TÉCNICOS - DONNÉES TECHNIQUES

	SIMPLEX	DUPLEX
<b>Filling stations</b> Estaciones de llenado Stations de remplissage	1+1	1+1
<b>Maximum volume (1)</b> Volumen máximo Volume maximale	1.000 cc	
<b>Maximum output</b> Velocidad máxima Vitesse maximale	50-60 cycles/min	
<b>Power consumption (2)</b> Consumo eléctrico Consommation électrique	10 kw	
<b>Air consumption (2)</b> Consumo de aire comprimido Consommation pneumatique	250 l/min	

(1) Depending on product, film, formats and final machine configuration.

(1) Dependiendo del producto, film, formatos y configuración final de la máquina.

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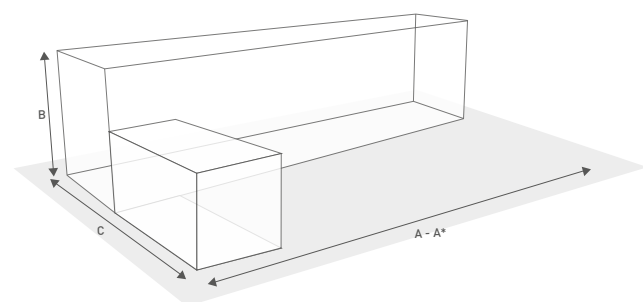
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DIMENSIONS - DIMENSIONES - DIMENSIONS

	A	A*	B	C
HB 16 PMP	2.400	4.000	1.700	2.500



Configurable as per required filling stations.

Configurable según las necesidades específicas.

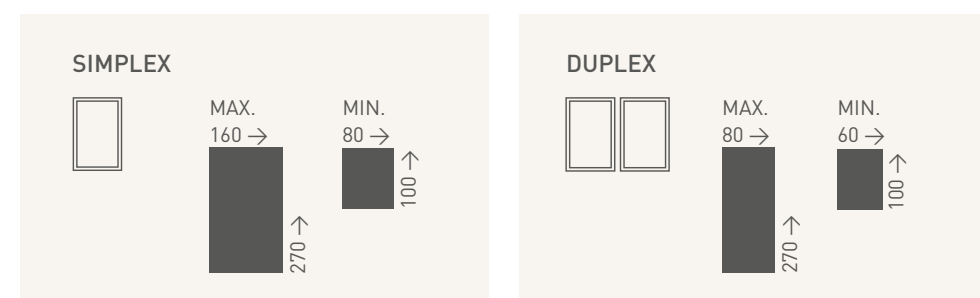
Configurable selon besoins spécifiques.

\*Minimum recommended location area (mm).

\*Área de ubicación mínima recomendable (mm).

\*Zone d'emplacement minimum recommandable (mm).

FORMAT RANGE DIMENSIONS - MEDIDAS DE SOBRE - DIMENSIONS SACHET



TYPES OF SACHETS - TIPOS DE ENVASES - TYPES DE SACHETS

	SIMPLEX	DUPLEX
STAND UP	•	•
DELTA	•	•
ZIPPER STAND UP	•	•
ZIPPER FLAT SACHET	•	•
FLAT SACHET 3/4 SEALS	•	•
GUSSET	•	•
EUROHOLE	•	•
PARTIAL SHAPED GUSSET	•	•
FLAT SACHET PARTIAL SHAPE	•	•
TOP VALVE	•	•
SHAPED TOP VALVE	•	•
TOTAL SHAPE	•	
CORNER VALVE	•	



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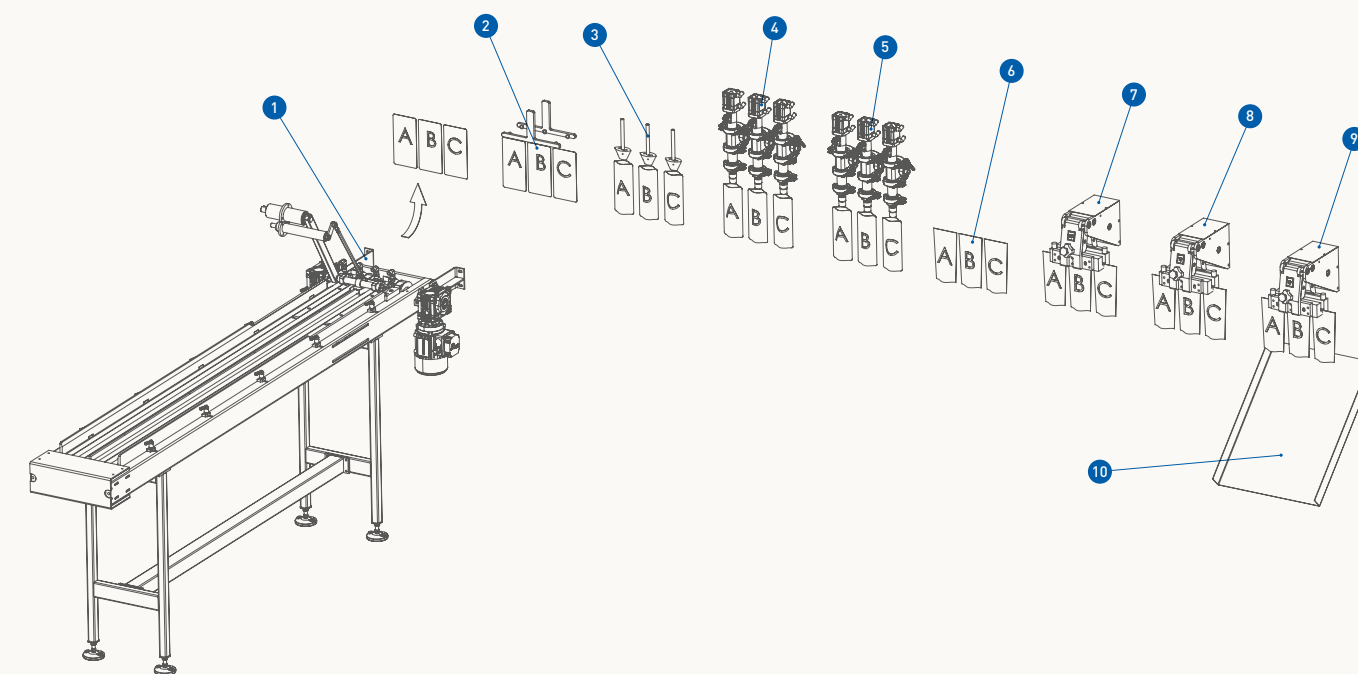
Miembro asociado de:



# HB16 PMP



## FLOW DIAGRAM - DIAGRAMA DEL FLUJO - DIAGRAMME DE FLUX



- 1 Pre made pouches feeding belt
- 2 Pouch opening
- 3 Blowing cone - Opening detection
- 4 1st Filling station
- 5 2nd Filling station
- 6 Stretching unit
- 7 1st Top sealing jaw
- 8 2nd Top sealing jaw
- 9 Top cooling jaw
- 10 Pouch exit and reject

- 1 Cinta alimentadora de bolsas preformadas
- 2 Apertura bolsas
- 3 Cono de soplado - Detección apertura bolsas
- 4 1ª Estación de dosificado
- 5 2ª Estación de dosificado
- 6 Estirado
- 7 1ª Soldadura superior
- 8 2ª Soldadura superior
- 9 Refrigerado
- 10 Salida sobres y rechazo

- 1 Tapis d'alimentation de sachets preformés
- 2 Station d'ouverture
- 3 Cône de soufflage - Détection d'ouverture
- 4 1ère Station de remplissage
- 5 2ème Station de remplissage
- 6 Unité d'étirage
- 7 1ère Mâchoire de soudure supérieure
- 8 2ème Machoire de soudure supérieure
- 9 Mâchoire de refroidissement
- 10 Sortie du sachet et rejet



20

YEARS  
PROVIDING  
PACKAGING  
SOLUTIONS



## WHERE ARE WE?

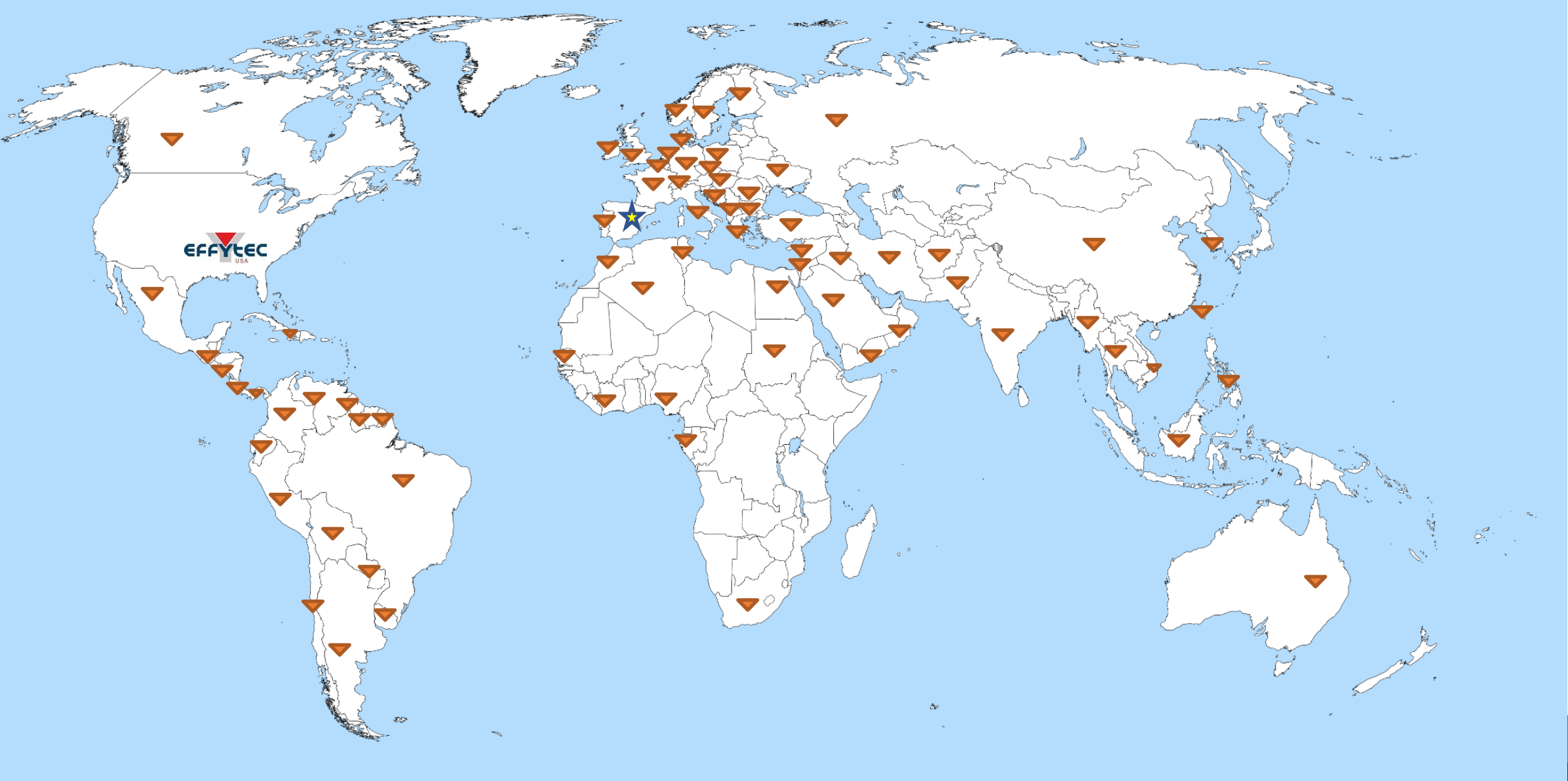


- Located in Barbera del Valles (**Barcelona**), Spain
- **HFFS** and **HFS** manufacturers

## Effytec: Innovation in Flexible Packaging Solutions

- **Founded in 2004:** Built on a foundation of innovation and expertise.
- **Unmatched Expertise:** Backed by more than 40 years of know-how in the flexible packaging sector.
- **Continuous innovation:** Holder of multiple patents that set us apart as leaders in the packaging industry.
- **Management Owned:** An agile and flexible team ensures operational excellence and quick decisions.

# MACHINES BY COUNTRY



# Markets & Applications



# EFFYTEC CAPABILITIES AND FEATURES:

## Filling Options:

---

- **Powders & Granulates:**

- Free-flowing and non-free-flowing powders.
- Products with high dust content.

- **Liquids:**

- Water-based liquids.
- High-density, pasty products, including those with particles or pieces.

- **Solids:**

- From individual units to multiple items such as tablets, sticks, and pieces.

# EFFYTEC CAPABILITIES AND FEATURES:

## Additional Features

---

- **Accessories:**

- Refreshing towelettes, labels, leaflets, and printers.

- **Sustainable Packaging:**

- Compatibility with monomaterials and recyclable films.

- **Special Applications:**

- Requiring Retort for some kind of films.

## Customization

- Tailored solutions for all types of **pouch shapes** and designs.

- **Performance:**

- Up to 320 sachets per minute (flat sachets).
- Up to 220 pouches per minute (doypack format).

- **Maximum Filling volume:**

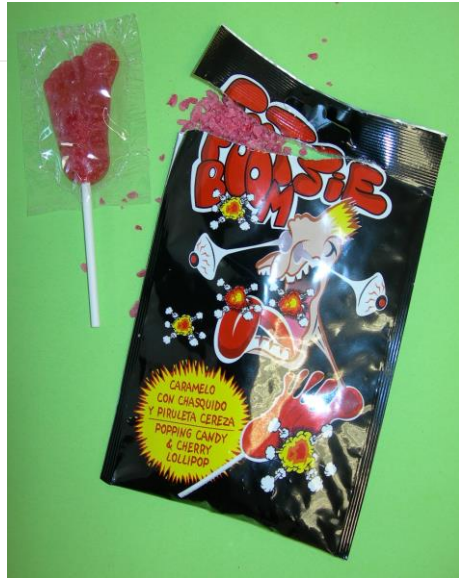
- Up to 3.5 liters per sachet.

# MAIN SECTORS:



# FOOD SECTOR





# PHARMA AND COSMETICS



We adhere to the strictest standards of the pharmaceutical industry, ensuring compliance and quality at every step.

# PETFOOD

- Dry and wet pet food packaging
- Example of Retort applications from film reel



# TOBACCO SACHETS



# 11.MANUFACTURING STANDARDS:

**Our company's philosophy is to improve the quality of the equipment:**

- Stainless steel frame and mechanisms, except from HVs.
- Double reel holder and automatic reel splicer, except the HVs
- Patented solutions.
- Permanent cams lubrication, except HVs
- GMP design
- remote connection for teleassistance, optional in HVs
- Format recipes for quick changeover
- Active correction in sealing groups and automatic changeover
- Inner lamps in the mechanical area of the frame.
- Balcony design.

Ergonomic design –  
**total accessibility**  
inside & operative  
part

**Balcony-**  
**designed** frame

Film loaded at  
the front=  
**reduced space**

## Range of machines

### Standard General Advantages

**Format recipes**  
for quick  
changeovers

Complete frame  
in **stainless** :  
HV models are  
the exception

## 6. MACHINE TECHNOLOGIES FROM ROLLSTOCK:

---

### **HFFS intermitent technology:**

- **SIMPLEX**
- **DUPLEX**
- **TRIPLEX**
- **QUADRUPLEX**

### **HFFS intermitent and continuous motion technology :**

- **GPIC**
- **GPICHS**



# R&D Department:

**Our latest developments:  
Machine adaptations to Monomaterials & Recyclable films  
PP, PE, Paper**



# MONOMATERIALS KIT

**Out comittment towards sustainability: 100% recyclable pouches.**

- **Mono material films** are made of only one type of plastic, like low density polyethylene (LDPE) or polypropylene (PP).
- Each **material** has **different properties**, like tensile strength, oxygen barrier or sealing capacity.
- Effytec has developed an efficient solution, adapting our machines to work with these materials.
- **Film feeding** and **unwinding** in horizontal pouch maker machines must be set up to work with mono material films. This is, rollers, guides and traction's system must guarantee a smooth and stable supply of the film, avoiding stretching or tension.

# MONOMATERIALS KIT

**THE RECYCLABLE POLYETHYLENE POUCH**

All the features you expect of a typical pouch, with the added benefit of easy recyclability

Recycle it Clean & Dry

Store Drop-off

PLASTIC POUCH

- ✓ Compatible with #2 recycling streams
- ✓ Approved with How2Recycle for in-store drop off
- ✓ Rivals typical PET/PE laminate pack performance, cost and processability
- ✓ Exceptional barrier:
  - MVTR of 0.04g/100in<sup>2</sup> per day
  - OTR as low as 0.1cc/100in<sup>2</sup> per day
- ✓ Surface printed coex or reverse print laminated film

Resins and Film Structure Design by:

novachem.com

Printing and Converting by:

emmersonpackaging.com

Packaging by:

effytec.com

Recyclable

**RETORT POUCH**

MONOMATERIAL **PP**

Sustainability & Compliance

Capacity: 100 g

**FRESH**  
direct and infinitely delicious

**RETORT POUCH**

MONO PP SOLUTION

Recyclable  
Sustainability & Compliance

Capacity: 500 g

**FRESH**  
direct and infinitely delicious

Retort Pouch Packaging Solutions

# OUR PARTNERS TO DEVELOP THIS SOLUTION

- During the development of this application, Effytec has cooperated with different manufacturers, which have been basic to develop and test the different solutions.





# ALL KIND OF PRODUCTS & POUCH DESIGN

## STAND OUT FROM THE REST

DOYPACK CORNER VALVE - SHAPED		DOYPACK CORNERVALVE		DOYPACK SHAPED		DOYPACK STRAW - SHAPED	
DOYPACK STRAW		DOYPACK TOP SHAPE		DOYPACK TOP VALVE 1 SHAPED		DOYPACK TOP VALVE 1	
DOYPACK TOP VALVE 2 SHAPED		DOYPACK TOP VALVE 2		DOYPACK ZIPPER		DOYPACK	
FLAT SACHET - 3 SEALS TOP SHAPE		FLAT SACHET - 4 SEALS TOP SHAPE		FLAT SACHET - 3 SEALS		FLAT SACHET - 4 SEALS	
FLAT SACHET ZIPPER 3 SEALS		FLAT SACHET ZIPPER 4 SEALS		STRINGS 3 SEALS		STRINGS 4 SEALS	
TOWELETTES 3 SEALS		TOWELETTES 4 SEALS		TWIN SACHET - 3 SEALS		TWIN SACHET - 4 SEALS	

The image shows the exterior of a modern building with a grey textured facade. The Effytec logo is mounted on the wall, featuring a stylized 'Y' symbol above the word 'EFFYTEC' in a bold, sans-serif font. The building has large glass windows and a blue-tinted architectural design.

**EFFYTEC**

**THANK YOU**