



a coesia company



PRESS REVIEW

JULY-DECEMBER 2021



ENFLEX para el mercado Latinoamericano: flexibilidad para el sector Alimentación

EDITOR / PAÍSES / 02 JULIO 2021

LATINOAMÉRICA | PROCESOS / ENVASES



Enflex es una marca de Volpak dedicada al desarrollo de máquinas automáticas de media velocidad formadoras y envasadoras para envases flexibles tipo sobres. La compañía opera a nivel mundial adaptando sus equipos a las necesidades de los clientes, teniendo también en cuenta las tendencias y los hábitos de consumo de los consumidores finales y las especialidades de los diferentes países.

Enflex propone al mercado sudamericano un portafolio de soluciones dedicadas al sector de Alimentación que hacen de la flexibilidad y de la eficacia productiva sus características principales.

Mercados del presente y del futuro

Son muy numerosos los clientes que utilizan soluciones Enflex en el mercado sudamericano, entre estos Gourmet, marca chilena activa en el sector Alimentación, que ofrece una selección heterogénea de productos que va desde las sopas, las cremas deshidratadas a la pastelería, pasando por condimentos, especias y productos líquidos de soja y otras emulsiones.

Gourmet utiliza la tecnología Enflex para la elaboración de condimentos, sopas y productos para repostería (confetti) en tres formatos diferentes de bolsa, con posibilidad de integrar un sistema de apertura y cierre tipo "zipper". La flexibilidad de las soluciones que utiliza la compañía chilena consiente la confección de más de 40 tipos de productos distintos en la misma máquina manteniendo asimismo altísimos estándares en términos de seguridad, de higiene y de fiabilidad.

Dispone de varios modelos Enflex, F-14, F-17 y D-26 que ocupa según los formatos y producciones que necesite trabajar. "Las máquinas Enflex se caracterizan por una eficacia productiva muy elevada: nuestra exigencia es la de cambiar con frecuencia el producto que debe confeccionarse y las máquinas Enflex presentan un OEE un 6% superior al de otras máquinas. El tiempo de cambio producto-formato es verdaderamente reducido al mínimo - comenta Sebastian Neumann Saavedra, Subgerente de Ingeniería, mantenimiento y HSE. "Las máquinas funcionan de una manera sencilla porque presentan un comportamiento estable: aplicando un adecuado tiempo de set up al inicio del turno, el sistema de dosificación es extremadamente preciso y constante y no necesita de ningún tipo de ajuste durante la producción".

Por una fiabilidad sin dejar de lado la sostenibilidad

Las máquinas Enflex gozan de una reputación consolidada en términos de solidez y robustez tecnológica y calidad del producto, focalizándose al mismo tiempo en su flexibilidad y en su extrema simplicidad de uso. Las soluciones desarrolladas por esta marca española expresan además un fuerte compromiso hacia la sostenibilidad, garantizando un reducido consumo energético y disponen de soluciones tecnológicas que permiten a las máquinas trabajar con materiales reciclables como mono-materiales de PE o PP.

La fiabilidad es de todos modos la característica principal que más se aprecia en el mercado sudamericano, en particular en el sector de los bienes de consumo. Enflex cree sinceramente en la calidad de las propias soluciones y a partir de 2021 ofrece una extensión de garantía en todas sus máquinas de "serie F" que reciben así una cobertura completa de tres años.

Además, todas las máquinas están dotadas de un sistema de asistencia remoto que - a través de una simple conexión a Internet - permite la intervención a distancia de personal especializado Enflex-Volpak, un elemento de gran valor especialmente durante el periodo de la pandemia de Covid-19.

Volpak, hace parte de Coesia, es una sociedad con una sólida base tecnológica, especializada en equipos completo de formación, envasado y sellado de sobres tipo sachet o stand up. Fundada en 1979, Volpak posteriormente fue adquirida por el grupo Coesia en 1996, por ello puede contar con las competencias y la solidez de uno de los grupos más importantes del mundo.

En 2001 Volpak adquirió Enflex, una empresa especializada en el diseño, fabricación y comercialización de máquinas envasadoras horizontales de media velocidad, ampliando así su portafolio de soluciones. Hoy Enflex sigue más activa que nunca dentro de la organización Volpak y sus equipos son reconocidos por su facilidad de manejo y fiabilidad. Volpak cuenta con unos 220 empleados que trabajan principalmente en la sede principal de Barcelona, una gran superficie de 12.000 metros cuadrados donde los productos se proyectan, fabrican y comercializan alrededor del mundo a través de una red de venta y servicio técnico global.

Volpak ENFLEX

Link: <https://www.foodnewslatam.com/paises/4966-latinoamérica/11293-enflex-para-el-mercado-latinoamericano-flexibilidad-para-el-sector-alimentación.html>



VOLPAK
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Italia/Imballaggio
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PRESS REVIEW



BUSTE PRE-FORMATE: LA PERFEZIONE COME "STANDARD"

Presentata tre anni fa, la macchina a movimento continuo SC+ rappresenta oggi l'unità di punta del portafoglio Volpak, azienda di Coesia specializzata nella realizzazione di macchine HFFS per beni di largo consumo.

Oggetto di costanti sviluppi, SC+ è disponibile in differenti versioni, l'ultima delle quali è stata sviluppata per il riempimento e confezionamento di buste pre-formate. In questa versione, la macchina è caratterizzata da un layout estremamente compatto, che ne consente l'impiego in spazi ristretti. L'elevato livello di automazione e la precisione dei cinematismi meccanici garantiscono inoltre la realizzazione di pouch di qualità elevatissima, senza imperfezioni.

Per le sue caratteristiche, questa versione della SC+ è adatta in particolare al mercato asiatico, dove la qualità delle confezioni di cosmetici, creme e shampoo riveste

Evoluzione della macchina HFFS a movimento continuo SC+ di Volpak, progettata per il confezionamento in buste pre-formate di prodotti liquidi e solidi, dall'home & personal care al food. L'estrema precisione e l'altissimo livello di automazione la rendono ideale per i mercati dove la perfezione del packaging è un requisito fondamentale.

un'importanza pari a quella del prodotto. La flessibilità di SC+ è comunque tale da consentirne l'impiego anche in altri settori industriali, dal chimico al pet food, a prescindere dal fatto che i prodotti siano densi o schiumosi, liquidi, viscosi o solidi (oli per auto, salse e condimenti, crocchette per animali, ...).

FLESSIBILITÀ NELLA SCELTA DI MATERIALI E SISTEMI DI CHIUSURA

La versatilità di SC+ consente un'ampia scelta in merito ai materiali: è infatti possibile impiegare buste realizzate con diverse tipologie di film, compresi i monomateriali



Pre-formed pouches: perfection as a "standard".

Evolution of the Volpak SC+ continuous motion HFFS machine, designed for packaging in pre-formed pouches of liquid and solid products, from home & personal care to food. The extreme precision and the high level of automation make it ideal for markets where packaging perfection is a fundamental requirement.

Introduced for the first time three years ago, SC+ is a continuous movement machine which represents a flagship unit for Volpak, Coesia company specialized in the manufacturing of HFFS machines for

consumer goods. SC+ has seen ongoing refinement and improvement efforts and is now available in different versions, to meet the needs of an increasingly more diverse market. The latest SC+ version

has been developed for the filling and packaging of preformed pouches. In this version, the machine has an extremely compact layout that allows its use in small spaces. Moreover, the high level of automation and the precision of its mechanical mechanisms guarantee the production of extremely high-quality pouches, completely imperfection-free.

For its characteristics, this version of the SC+ is especially suited to the Asian market, where the quality of the packaging is extremely important. The SC+, however, is flexible enough to allow its use in other industries as

well, regardless of the density and foaming properties of the product: it can be used in fields ranging from chemicals to pet food, for the packaging of liquid, viscous or solid products, such as motor oil, ketchup type sauces and dry pet food.

FLEXIBILITY IN THE CHOICE OF MATERIALS AND CLOSURE SYSTEMS
The ample flexibility that the SC+ allows a wide choice in terms of materials: the customer can employ pouches made with different types of films, including recyclable mono-materials, with a positive impact on the environment. The closure system



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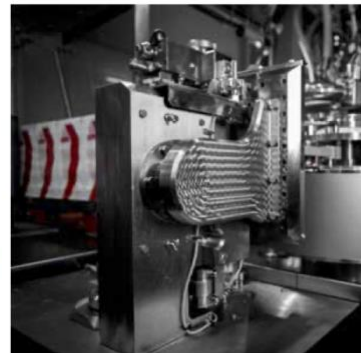
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[MATERIALS & MACHINERY] MULTIMARKET

also allows for great flexibility; SC+ can employ different kinds of caps that can also be positioned differently depending on the circumstances. SC+ has three different setups for preformed pouches: the machine for pouches up to a liter is equipped with 24 dosing units, the one for up to two-liter pouches is equipped with 20 dosing units, while the one for the biggest form factor, 3 liters, has 16 dosing units.

ONE OF THE BEST TCOs IN THE MARKET

The SC+ machine has been designed to meet the Industry 4.0 requirements, which demand minimal supervision by the operator and low maintenance, thus guaranteeing a 60% saving on such costs compared to more commonly used machines. The SC+ is also extremely efficient, both from an energy consumption point of view and in terms of packaging material waste, which are very small, with a percentage of rejected pouches about 85% lower compared to the competition. The machine concept allows the production to continue, even if one of the dosing systems fails. Finally, the ratio of "non-compliant" pouches is especially low, being about 1 every 30.000. All these areas make it so the "cost per pouch" of the SC+ is one of the best on the market.



riciclabili, a tutto vantaggio della sostenibilità ambientale.

Grande flessibilità è concessa anche per quanto riguarda il sistema di chiusura; SC+ consente, infatti, l'impiego di differenti tipi di tappi, posizionabili diversamente a seconda del caso.

Tre le configurazioni di SC+ per buste preformate: la macchina per pouch fino a un litro è dotata di 24 unità di dosaggio, quella per buste fino a due litri ha 20 dosatori mentre quella per il formato più grande, 3 litri, dispone di 16 gruppi per il dosaggio.

TCO TRA I PIÙ VANTAGGIOSI SUL MERCATO

SC+ è una macchina perfettamente in linea con i principi dell'Industry 4.0, che richiede un controllo minimo da parte

dell'operatore e ridotti interventi di manutenzione, garantendo un risparmio pari al 60% su tali costi rispetto alle unità comunemente in uso. È inoltre estremamente efficiente, sia dal punto di vista del consumo energetico sia degli scarti di materiale per l'incarto ridotti al minimo con una percentuale di pouch scartati inferiore di circa l'85% rispetto ai sistemi in uso. La macchina così concepita consente di proseguire la produzione anche nel caso in cui uno dei sistemi di dosaggio si interrompa. Il numero delle buste "non conformi" è infine particolarmente basso, con una proporzione di circa 1 su 30.000. Tutti questi aspetti fanno sì che il costo per busta di SC+ sia uno dei più convenienti sul mercato.



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ENFLEX para el mercado Latinoamericano: flexibilidad para el sector Alimentación

FOOD NEWS LATAM / PAÍSES / 01 JULIO 2021

LATINOAMÉRICA | BEBIDAS



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[Volpak](#) [Coesia Group](#) [Enflex](#)

Link: <https://www.packaginglatam.com/index.php/paises/4966-latinoamérica/3855-enflex-para-el-mercado-latinoamericano-flexibilidad-para-el-sector-alimentación.html>



ENFLEX for the Latin American market: food industry flexibility and reliability

Enflex is a Volpak brand dedicated to the development of automated machines for pouch forming, filling, and packaging at medium and low speeds. The company operates in the global market, offering customized systems based on the client's needs, while taking into consideration end consumer trends and individual countries' specificities. To the South American market, Enflex offers a portfolio of solutions aimed at the food industry that are centered around flexibility and production efficiency.

Current and future markets

Many customers are currently using Enflex solutions in the South American market, including Gourmet, a Chilean brand working in the Food industry and offering a wide variety of products ranging from dehydrated soups and creams, pastry products, to condiments, spices and liquid items such as soy sauce and other emulsions.

More specifically, the Enflex technology is used by Gourmet for the packaging of condiments, soups, and confetti in three different pouch formats, capable of integrating a "zipper" type closing/opening system.



The solutions developed by the Spanish brand also prioritize sustainability, since they are extremely energy efficient. (photo: VOLPAK)

The flexibility of the solutions employed by the Chilean company is such that it allows them to package more than 40 different types of products on the same machine, while following the highest standards in terms of safety, hygiene, and reliability.

The company currently employs several Enflex units, including two F-14, one D-26 and three F-17



"The Enflex systems boast an extremely high production efficiency: we need to regularly change the products we're packaging and Enflex machines have an OEE that is about 6% higher than other solutions. The product/format change over time is really minimal," Sebastian Neumann Saavedra, Vice-responsible of Engineering, Maintenance and HSE, says. "The machines are also easy to use, as they are very stable: after an adequate setup time at the beginning of

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Enflex strongly believes in the quality of its solutions and, from 2021, the company offers an extended warranty on all "F series" machines, which are now completely covered for 3 years. (photo: VOLPAK)

Enflex machines have an established reputation in terms of technology, durability, and product quality, while also boasting high levels of flexibility and ease of use. The solutions developed by the Spanish brand also prioritize sustainability, since they are extremely energy efficient. In addition to this thanks to the research made in Volpak's PouchLab laboratory, in the last few months Enflex machines have seen a further evolution and can now employ mono-materials such as PE and PP films.

However, one of the most valued characteristics in the South American market is still reliability, especially in the consumer goods industry. Enflex strongly believes in the quality of its solutions and, from 2021, the company offers an extended warranty on all "F series" machines, which are now completely covered for 3 years.

Moreover, all the machines are equipped with a remote support system that – through a simple Internet connection – allows Volpak's specialized technicians to remotely service the machine, a feature that has proved extremely valuable during the Covid-19 pandemic.



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ENFLEX for the Latin American market: flexibility and reliability for the food industry

9 July 2021 Machinery

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Maximum reliability and sustainability

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Link: <https://spnews.com/enflex-flexibility-and-reliability/>



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INTERVIEW WITH VOLPAK

👤 Easy_Engineering_International 🕒 September 6, 2021 📁 INTERVIEW, TECH

Volpak was founded in 1979, is the pioneer and a leading brand in designing and manufacturing of HFFS machines for Flat and Stand Up flexible pouches for food & beverage, personal care, home care, pharma and chemical industries. Volpak HQ is based in Barcelona, with a workforce of 275 employees worldwide. Volpak has more than 6,000 installed machines worldwide and provides services to + 50 countries in Europe, Asia – Pacific, America & Africa. As part of the Italian group Coesia since 1996, we can effectively count on a global footprint service through Coesia organization.

Innovation is a key pillar for the company, they invest 12% of their sales turnover in R&D. Volpak is not only designing new machines, but innovative new packaging solutions based on consumer and market needs. Volpak is also continuously focusing on finding sustainable & efficient packaging materials and consumables.

Interview with Francesc Busquets, Sales & Marketing Director at Volpak.

Easy Engineering: What are the main areas of activity of the company?

Francesc Busquets: In the area of flexible packaging into stand-up pouches, the intermittent motion HFFS machines (Horizontal Form-Fill-Seal) represent the most common type of automatic machinery for large production. These are machines that form the pouch from the reel of plastic film and can deliver a filled pouch with several accessories (such as caps for liquids, zippers for closure, multiple shapes).

Main markets served by Volpak are FMCG industries, such as Food, Pharma, Home&Personal Care and Chemical.

E.E: What's the news for 2021 about new products?

F.B: In intermittent machines, pouches are kept still during productive operations, such as pouch forming or filling with product, and then shifted to the next machine station for the following operation until the whole process is completed. Therefore, speed limitations exist due to the physical properties of the products to be filled.

Volpak's SC+ Series of Continuous-Motion horizontal machines were developed, to allow pouches to be moved without stopping, resulting in much higher production capacities at a more reduced footprint.



Now Volpak will expand the capabilities of this range by launching the new SC+ Pre-Made at the end of October 2021. The SC+ Pre-Made is the new continuous motion machine designed to fill pre-made pouches at the highest speeds in the market. Unlike its "sister" SC+, this model has no forming pouch area, saving considerable space and making it a significantly more compact and handier model.

This new range will be available for both solid and liquid products.

E.E: What are the ranges of products?

F.B: Volpak offers a wide range of products for both intermittent & continuous -motion solutions. Depending on the pouch size & production speed needs we offer different product series:

SL Series: SL series is particularly suitable for medium-low speed volumes on flat sachets, therefore its ideal target is SME's. Especially in the Pharma market (Pharma powder, granules, towelettes...) and also food industry (Spices, cocoa powder, instant coffee, Tomato...).

The SL series is distinguished for being a product range of easy operation and low maintenance. In addition, it allows extra sachet applicators such as zippers, twin or string sachets and towelettes.

Link: <https://easyengineering.eu/interview-with-volpak/>



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This machine range works with speeds ranging from 50 up to 150 spm (sachets per minute), with a sachet size range from 40mm up to 140mm and a dosing range from 30ml up to 300ml.

SP Series: SP series is particularly well-suited for high-speed flat sachets or simple stand-up pouches, ideal for small & medium sized companies. The main markets for this machine range are Food, Pharma and OTC.

The SP series has been designed with special interest in easing the maintenance processes with high efficiency production. This series is highly modular and can be tailored to the customer's needs achieving the highest rates of performance and efficiency.

SP series allows to work with flat sachets & stan-up pouches from 45 mm to 220mm with speed rates up to 360 spm, and dosing from 80ml up to 1.000ml. – A real high-speed flat sachets series!

SI Series: Volpak's SI series is a product range specially designed for stand-up pouches although it also works with sachets. It is intended for a medium-large company profile with high variety production requirements.

It is a very versatile and efficient series and is particularly suitable for easy changeover to produce different types and size of pouches. SI series is the most versatile and flexible horizontal form fill and seal machine in the market (complete 3D size changeover in 60 minutes).



This is Volpak's „Industry 4.0“ series, fitted with “smart factory” features like asset performance evaluation, central data storage, web-based self-diagnosis system and plug & play interconnectivity.

SI series machines works with pouch size from 85mm up to 220mm, dosing from 150cc up to 2.000ml, and production speed from 120ppm up to 240ppm (Pouches per minute).

SC+ Series: SC+ is Volpak's breakthrough innovation in stand-up pouch machine range. The first range of continuous motion packaging machines in the market, designed for very high production speeds for both solids and liquids products.

The SC+ series consists of two machines, our traditional HFFS machine (with pouch forming area) and the new, more compact SC+ Pre-Made, with no pouch forming part and a pre-made pouch loading module instead.

This is Volpak's most flexible and versatile series, allowing for material waste reductions of up to 70% and increases production by up to 30% per m2.

SC+ machines allow to operate with pouch sizes from 85mm up to 300mm, dosing from 100ml up to 3.000ml, and output speed from 140ppm up to 400ppm (depending on the product and pouch dosing capacity).

E.E: At what stage is the market where you are currently active? / What can you tell us about market trends?

F.B: While Volpak is present in many markets today, we are experiencing significant growth in the Food, Pet Food and Personal Care markets. This is undoubtedly due to the effect that the global pandemic is having on the consumption habits of users around the world.

Food consumption habits are changing rapidly, and healthier and more sustainable products are in demand. This directly affects the way they are packaged, especially dairy products (to go, 100% recyclable packaging, longer shelf life...).

The cosmetic industry has the most varied packaging requirements of all sectors and require containers with different shapes and sizes and dispensing mechanisms. Especially Asian and North American markets are booming in facial and hair treatments, demanding more natural and organic products, which has a direct impact on their packaging and preservation.

Pet Care has seen the highest growth on record, even despite a steady global decline in GDP growth. The healthy state of the Pet Care industry is partly due to the increase in pet adoption rates throughout the pandemic. Users are demanding more premium products for their pets as well as more sustainable packaging. This is forcing manufacturers to adapt their production, and Volpak's SP and SI series are ideally suited to these versatile market needs.

But above all, all FMCG industries are committing to the use of new sustainable materials and easily recyclable plastics. This trend, which in some markets is a regulatory must by 2030, will seriously affect the packaging industry, not only for consumers but also the engineering and equipment capabilities required. It is definitely an interesting challenge that requires intense collaboration between Manufacturer, Film Supplier and Machine Supplier. Volpak, and the whole of the Coesia companies are very committed to Sustainability and are closely collaborating with all players in the market.



Link: <https://easyengineering.eu/interview-with-volpak/>



PRESS REVIEW

PACKAGING LABELLING

WEIGHING

ENFLEX FOR THE LATIN AMERICAN MARKET: FLEXIBILITY AND RELIABILITY FOR THE FOOD INDUSTRY

Enflex is a Volpak brand dedicated to the development of automated machines for pouch forming, filling, and packaging at medium and low speeds.

The company operates in the global market, offering customized systems based on the client's needs, while taking into consideration end consumer trends and individual countries' specificities. To the South American market, Enflex offers a portfolio of solutions aimed at the food indus-

try that are centered around flexibility and production efficiency.

CURRENT AND FUTURE MARKETS

Many customers are currently using Enflex solutions in the South American market, including Gourmet, a Chilean brand working in the Food industry and offering a wide variety of products ranging from dehydrated soups and creams, pastry products, to condiments, spices and liquid items such as soy sauce and other emulsions.

More specifically, the Enflex technology is used by Gourmet for the packaging of condiments, soups, and confetti in three different pouch formats, capable of integrating a "zipper" type closing/opening system. The flexibility of the solutions employed by the Chilean company is such that it allows them to package more than 40 different types of products on the same machine, while following the highest standards in terms of safety, hygiene, and reliability.

The company currently employs sev-





PACKAGING LABELLING

WEIGHING



eral Enflex units, including two F-14, one D-26 and three F-17.

“The Enflex systems boast an extremely high production efficiency: we need to regularly change the products we’re packaging and Enflex machines have an OEE that is about 6% higher than other solutions. The product/format change over time is really minimal,” Sebastian Neumann Saavedra, Vice-responsible of Engineering, Maintenance and HSE, says. “The machines are also easy to use, as they are very stable: after an adequate setup time at the beginning of each shift, the dosing system is extremely precise and steady, and requires minimal adjustment during production, if at all.”


MAXIMUM RELIABILITY AND SUSTAINABILITY

Enflex machines have an established reputation in terms of technology, durability, and product quality, while also boasting high levels of flexibility and ease of use.

The solutions developed by the Spanish brand also prioritize sustainability, since they are extremely energy efficient. In addition to this thanks to the research made in Volpak’s PouchLab laboratory, in the last few months Enflex machines have seen a further evolution and can now employ mono-materials such as PE and PP films.

However, one of the most valued characteristics in the South American

market is still reliability, especially in the consumer goods industry. Enflex strongly believes in the quality of its solutions and, from 2021, the company offers an extended warranty on all “F series” machines, which are now completely covered for 3 years.

Moreover, all the machines are equipped with a remote support system that – through a simple Internet connection – allows Volpak’s specialized technicians to remotely service the machine, a feature that has proved extremely valuable during the Covid-19 pandemic. 

Visit:
www.volpak.com





VOLPAK
a coesia company

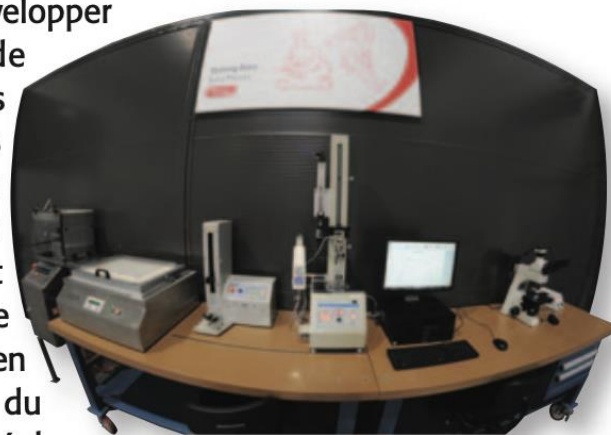
ED **Emballage Digest**

PRESS REVIEW

Oct
2021

PouchLab : un centre dédié aux emballages souples

Le distributeur français **Beurain MS** rappelle que son partenaire **Volpak**, fabricant de machines Horizontales Form-Fill-Seal (HFFS) pour les emballages souples sur le marché des biens de consommation, propose depuis peu un centre d'innovation PouchLab. Cet espace R&D permet d'accompagner les clients et les acteurs de l'industrie dans le développement de solutions durables en combinant les connaissances et l'expérience en matière de machines et de matériaux. Le PouchLab s'adresse aux entreprises souhaitant définir des normes pour leurs poches ou sachets – optimiser la dimension de l'emballage ou explorer de nouveaux matériaux par exemple – mais aussi aux prestataires tels que les fabricants de bouchage, les transformateurs de films ou les fournisseurs de matières premières. Ceux-ci peuvent en effet avoir besoin de comparer le comportement de différentes structures, révéifier les performances de leurs films, ou encore développer de nouvelles solutions de fermeture pour les emballages souples. Les conclusions des essais peuvent alors être exploitées dans la conception des ensacheuses proposées et garantir les performances de productivité et de scellabilité en phase d'utilisation industriel du matériau d'emballage. Localisé dans une zone spécifique du siège de Volpak à Barcelone, le laboratoire inclut machines, équipements de test et autres outils pouvant être mis en œuvre avec l'assistance d'un technicien spécialisé sur ce domaine.





IndustrialMeeting
Food and Beverage Technology

Oct
2021

PRESS REVIEW



Flexible packaging for coffee: sustainability for the growing market

Volpak, a Coesia group company based in Barcelona, is specialized in the design and marketing of flexible packaging solutions. Among the industries covered by the Spanish firm, the coffee is one of the fastest growing.

Volpak has a long history in this industry, which has allowed it to collaborate with many roasters in Europe and around the world, thanks to a solution portfolio that is ideal for the flexible packaging for coffee: roasted beans and ground coffee. Today's challenges revolve primarily around sustainability and flexibility.

Volpak for coffee: a concrete example for the Turkish market with the flexible packaging for coffee



Volpak offers a wide range of machines and systems for coffee packaging highly efficient and extremely advanced in terms of sustainability. (photo: Volpak)

Recently, the company had to face a **new challenge on behalf of a Turkish roaster**: an established business in this industry and a long time **Volpak client** that requested a full plant for the packaging of coffee beans, complete with an advanced degassing system. This is a common request among roasters, which is necessary to protect the product's aroma and increase its shelf life, avoiding its contamination with oxygen.

The challenge is due to the fact that **coffee cannot be vacuum packed after roasting**, as the packages swell due to pressure and may break. In fact, **freshly roasted coffee releases significant amounts of carbon dioxide**. It is a slow process, since the coffee beans retain part of the gas after roasting and gradually release it. It is estimated that **they can continue to emit CO2 for more than two weeks**. Also, both oxygen and humidity, as well as other elements of the environment, can damage the coffee beans. To keep it fresh, with its aroma, its flavor and all its qualities, it is absolutely essential to isolate it from these threats.

A tailor-made solution for the best degassing system



The SP 170: a Volpak machine for pouch forming and filling. (photo: Volpak)

The solution developed by Volpak is based on the SP 170: a machine for **pouch forming and filling**, loved by a lot of customers for its durability and flexibility. In this specific instance, as is often the case, the company did not just provide a technologically advanced machine, but it also leveraged its expertise to assist the customer throughout the project development stage. In particular, **Volpak helped the client in the identification and deployment of the best degassing system**, based on valve operation.

The use of a **degassing valve for coffee** means that packaging can be carried out after roasting, thus saving storage time prior to packaging, and money in the medium term. The solution created by Volpak is based on the **development of a unique system for air outflow**. It is actually a one-way valve, which **allows the exit of carbon dioxide and prevents the entry of oxygen and moisture**. The degassing, through the valve, is carried out by leveraging a physical principle: the pressure of the film inside the valve increases with the heat and the hot air exits through one of the sides of the coffee valve. **Once the external pressure is balanced with the internal one, the valve remains closed.**

A portfolio of flexible and green oriented machines



Volpak has a long history in this industry, which has allowed it to collaborate with many roasters in Europe and around the world. (photo: Volpak)

In addition to this specific solution, **Volpak offers a wide range of machines and systems for coffee packaging** that are highly efficient and extremely advanced in terms of sustainability. Machines such as the SP 170 can use fully sustainable packaging materials, such as PLA. Other units, such as SC+, can also use paper, **offering a wide range of applications** for this and other industries. Volpak's machines also boast a high level of flexibility, making them ideal for the **secondary packaging inside pouches of products** such as non self-protected coffee capsules, a solution that can be ideal for industries such as hospitality.

Link: <https://www.industrialmeeting.club/flexible-packaging-for-coffee-sustainability-for-the-growing-market/>



Volpak's sustainable & flexible pack for coffee

Coffee bean pouch solution with degassing

By **Naresh Khanna** - October 17, 2021

50



Volpak packaging for coffee pods Photo Volpak

Volpak, a Barcelona-based Coesia group company, is specialized in the designing and marketing of flexible packaging solutions. Coffee is one of the fastest growing markets among the industries covered by the Spanish company. Working with many roasters in Europe and worldwide, it has long experience for the packaging of roasted beans and ground coffee. Today's challenges are mainly around sustainability and flexibility.

Volpak for coffee – a concrete example for the Turkish market

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Link: <https://packagingsouthasia.com/events/volpaks-sustainable-flexible-pack-for-coffee/>



Oct
2021

Rassegna **IMBALLAGGIO**

PRESS REVIEW

SPOTLIGHT

Volpak sustainability and flexibility

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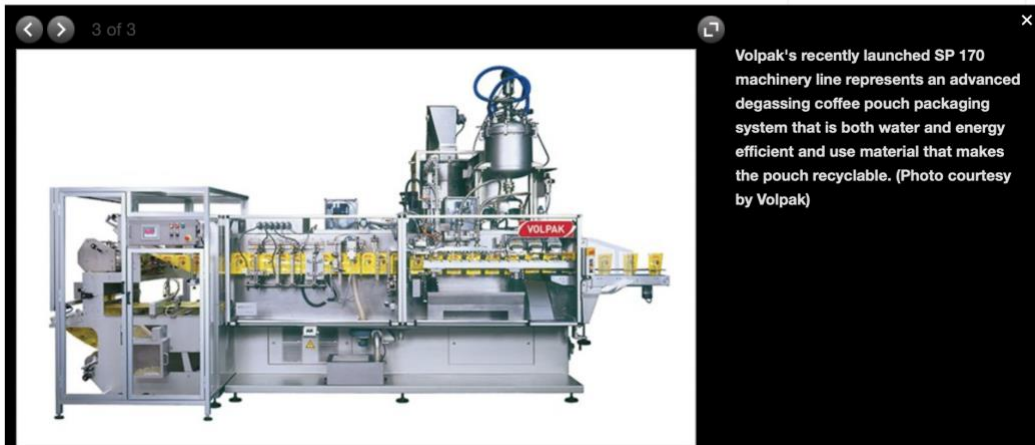
Oct
2021

New Coffee Machinery Embraces Technology for Higher Sustainability

by Maja Wallengren
October 19, 2021

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Long one of the fastest growing industries in Spain, the coffee sector offers booming sales for Barcelona-based Volpak, part of the Italian-owned Coesia group of companies that specialize in the design and marketing of flexible packaging solutions, including a large client base for roasted whole bean and ground coffee used by roasters and coffee service companies in over 130 countries worldwide.

Following up on Volpak's SC+ series of high-speed continuous motion machines for small and large-scale packaging of stand-up coffee pouches initially launched in 2018, the company's recently launched Volpak SP 170 packaging line represents a new highly advanced system that enables degassing of coffee well after the actual roasting process to ensure that even after the pouch is packed the coffee will continue to slowly release carbon dioxide and other volatile gases that can compromise the extended shelf time while the pouch itself is recyclable.

"Volpak offers a brand-new packaging technology allowing customers to produce flexible pouches made of 100% recyclable paper, no aluminum or plastic film is used," Volpak said in a statement, adding that its mission is to design sustainable packaging that "does not cost the Earth and helps the circular economy."

Link: <https://stir-tea-coffee.com/tea-coffee-news/new-coffee-machinery-embraces-technology-for-higher-sustaina/>



Oct
2021

PRESS REVIEW



Volpak: sustainability and flexibility for the coffee industry

🕒 4 October 2021 📁 Circular Economy

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For more information, please visit <https://www.volpak.com/en>

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Link: <https://spnews.com/volpak-sustainability-flexibility-coffee/>



PRESS REVIEW

VOLPAK

a coesia company

packmedia.net
webmagazine

**Nov
2021
(ITA)**

Flessibili e green oriented al servizio del caffè

Italiainballaggio Novembre-Dicembre 2021



Grazie all'esperienza e a un portafoglio di soluzioni ideale per il confezionamento sia di caffè tostato che di caffè in polvere, Volpak lavora da tempo con numerose torrefazioni, sia in ambito europeo che worldwide. La sfida tecnologica si gioca, in questo caso, sul terreno della sostenibilità e della flessibilità.

Specializzata nella progettazione e commercializzazione di soluzioni di packaging flessibile, Volpak (azienda parte di Coesia) è una realtà basata a Barcellona. Tra i settori coperti dall'azienda spagnola rientra quello del caffè, in forte crescita; in questo ambito la società offre un'ampia gamma di macchine e sistemi per il confezionamento del caffè, caratterizzate da elevata efficienza e particolarmente avanzate sotto il profilo della sostenibilità.

Macchine come SP 170 sono infatti in grado di utilizzare materiali di confezionamento completamente sostenibili (PLA), mentre le SC+ possono impiegare carta, offrendo così un'ampia serie di applicazioni per questo e altri settori.

Le macchine Volpak si distinguono per l'elevata flessibilità, perfette quindi anche per il packaging secondario di prodotti come le capsule di caffè non-autoprotette all'interno di pouch, soluzione ottimale per l'Ho.Re.Ca.



Il progetto in Turchia

Di recente, la realtà spagnola ha dovuto affrontare una sfida posta da una torrefazione turca. Realtà consolidata nel settore e da tempo cliente di Volpak, il produttore di caffè ha richiesto un sistema completo per confezionare caffè in grani, comprensivo di un sistema di de-gasaggio (necessario per proteggere l'aroma del prodotto, aumentarne la shelf-life, impedirne la contaminazione da ossigeno).

In questo caso era necessario affrontare i problemi di confezionamento sotto vuoto di caffè tostato. Dopo la tostatura, infatti, il packaging - così come il prodotto - potrebbe danneggiarsi a causa della pressione, dato che il caffè appena tostato rilascia significative quantità di anidride carbonica. Si tratta di un processo lento, che si stima possa durare fino due settimane. Inoltre, sia l'ossigeno che l'umidità possono danneggiare i chicchi, da qui la necessità di isolarli per preservare il prodotto e l'aroma.

La soluzione su misura

Per risolvere le problematiche poste dal cliente, Volpak ha impiegato la SP 170, macchina per la formatura e riempimento di pouch, apprezzata per robustezza e flessibilità. Oltre a fornire una macchina allo stato dell'arte, ha affiancato il cliente nella fase di sviluppo del progetto, in particolare per quanto riguarda l'identificazione e implementazione del sistema ottimale per il degassaggio.



Link: <https://www.italiainballaggio.network/it/volpak-flessibili-e-green-oriented-al-servizio-del-caffe>



a coesia company

packmedia.net
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Nov
2021
(ENG)

PRESS REVIEW

Flexible and green oriented for the coffee industry

Italiamballaggio November-December 2021



Thanks to a long experience and a solution portfolio that is ideal for the packaging of roasted beans and ground coffee, **Volpak** works with many roasters, both in Europe and worldwide. Today's challenges are mainly around sustainability and flexibility.

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Link: <https://www.italiamballaggio.network/en/volpak-flexible-and-green-oriented-coffee-industry>



Italia/Imballaggio
magazine

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PRESS REVIEW

[MATERIALS & MACHINERY] FOOD

FLESSIBILI E **GREEN ORIENTED** AL SERVIZIO DEL CAFFÈ

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La soluzione realizzata da Volpak si basa sullo sviluppo di un sistema esclusivo per lo sfogo dell'aria. Si tratta di una valvola che consente la fuoriuscita di anidride carbonica prevenendo l'entrata dell'ossigeno e di altri agenti. Il degassaggio attraverso la valvola si ottiene sfruttando un principio naturale: la pressione del film aumenta infatti con il caldo e l'aria riscaldata esce attraverso uno dei lati della valvola. Una volta bilanciata la pressione, la valvola resta chiusa.

coffee beans. To keep it fresh, with its aroma, its flavor and all its qualities, it is absolutely essential to isolate it from these threats.

***A tailor-made solution.** The solution developed by Volpak is based on the SP 170: a machine for pouch forming and filling, loved by a lot of customers for its durability and flexibility. The company did not just provide a technologically advanced machine, but it also leveraged its expertise to assist the customer throughout the project development stage. In particular, Volpak helped the client in the identification and deployment of the*

best degassing system, based on valve operation.

The solution created by Volpak is based on the development of a unique system for air outflow. It is actually a one-way valve, which allows the exit of carbon dioxide and prevents the entry of oxygen and moisture. The degassing, through the valve, is carried out by leveraging a physical principle: the pressure of the film inside the valve increases with the heat and the hot air exits through one of the sides of the coffee valve. Once the external pressure is balanced with the internal one, the valve remains closed.

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