

## PRESS ARTICLE

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### THE NEW STEADYEDGE PET CONTAINER BASE BY SIDEL COMBINES CREATIVE OPPORTUNITIES WITH OPTIMUM PERFORMANCE



**SteadyEDGE™ is a unique, patented base solution which offers Food, Home and Personal Care (FHPC) producers enhanced brand differentiation options together with maximum production efficiency.**

The use of PET is steadily gaining market share in FHPC markets traditionally dominated by HDPE (High Density Polyethylene) and PP (Polypropylene). In 2016, PET packages accounted for 29 billion units for Food, 7 billion units for Personal Care and 8 billion units for Home Care<sup>1</sup>. These figures are expected to grow by an average of 3% for all three sectors until 2020. Within these highly competitive markets, Sidel's new SteadyEDGE base offers chances to accelerate the take-up of PET containers. Along with innovative and attractive PET package design variants it ensures stable and cost-efficient production.

#### **Creative and distinctive package**

With SteadyEDGE, brands will appear exactly as intended. The new base technology is designed to meet the challenge of producing flat, oval and rectangular containers in PET, which all require a specific production process that delivers the optimum material distribution of PET to achieve a top quality package. "It makes it possible to achieve premium-quality containers in PET, with sharper edges which have a radius as little as only 1mm, compared to a previous minimum of 2.5mm," explains Pierrick Protais, Packaging Innovation Leader at Sidel. These sharper edges actually increase design freedom and facilitate the production of more elegant containers with bases which are less curved. Also, they open up particular marketing opportunities for containers with complex shapes and large labelling surfaces. The technology also ensures maximum container quality by way of accurate processing, optionally reinforced by a monitoring system of visual control of base movement on individual blowing stations.

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<sup>1</sup> Euromonitor 2016

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### **More stable package for optimum uptime**

The sharper edges possible on the package are used to effectively flatten and increase the 'standing ring' area of the base. "In this way the package is much more stable, preventing unwanted rocking and reducing the possibility of containers being knocked over," adds Protais. "The application of SteadyEDGE to any design can enhance the package's stability by as much as 35%." This is beneficial on the supermarket shelf and also in the home, as well as improving reliability on the production line. As packages are far less likely to fall while they are being conveyed between various machines, this results in fewer costly stoppages and greatly improved uptime.

### **Cost-efficient and sustainable production**

This innovative packaging solution optimises productivity and low total cost of ownership (TCO) while product quality and reliability are maintained to a high standard. Benefits include lightweighting possibilities of up to 10% through the improved material stretch on the base. A reduction in blowing pressure decreases energy consumption by up to 20% during production when limitation is linked to base design. The solution has been achieving higher output rates which are also up to 10% faster - from 1,800 bottles per hour per mould for flat containers with a standard base to 2,000 bottles per hour per mould with SteadyEDGE. Such greatly improved line performance typically contributes to a return on investment (ROI) in less than a single year.

### **Smarter blowing and quick changeover**

The specific sharp base design is achieved using the new Sidel patented base mould system: the Base OverStroke System (BOSS). BOSS is a piston activated in the blowing phase to stroke the base. This mechanical element allows for the raising and lowering of the base during the bottle-forming process independent of the opening and closing of the two half-shells of the mould.

BOSS provides flexible and versatile production with the option to implement quick mould changeovers and ensure maximum production uptime. A BOSS-to-BOSS changeover can be performed in just 3 minutes; BOSS-to-other can be performed in 11 minutes. Easy to implement and to retrofit, Sidel's new BOSS solution is fully compatible with Sidel Universal blowing machines. It is currently in use by customers in different parts of the world, with over 200 million containers already produced, and will shortly also be available for Sidel Matrix™ blowing machines.

Further details on Sidel's SteadyEDGE are available at [www.sidel.com/steadyedge](http://www.sidel.com/steadyedge).



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### About Sidel

Our purpose is to help brands protect the product inside, preserve the planet outside and touch the lives of millions of people every day.

We do so by offering complete and modular PET, can and glass packaging solutions, including people, services and equipment.

Sidel has over 165 years of industrial experience. With 30,000 machines installed in more than 190 countries, we have been helping producers fill beverage bottles for over 85 years, blow them for more than 50 and label them for more than 40. We have over 40 years of aseptic packaging expertise, and were one of the first companies to introduce PET bottles to the beverage industry over 35 years ago.

Part of the Tetra Laval group, Sidel has offices worldwide, including 8 production sites and 8 training centres. All our experts are committed to creating the optimum liquid-packaging solution.

We call it **A Better Match** - for our world, our customers and ourselves.

Find out more at [www.sidel.com](http://www.sidel.com) and connect with us



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