



Performance  
through  
Understanding



## THREE COMBI SOLUTIONS FOR LIGHT WEIGHTED rPET EDIBLE OIL BOTTLES

# SIDEL CONTRIBUTES TO LESIEUR SUSTAINABILITY AND FLEXIBILITY VISION

For the last three years, three Sidel and Serac Combis for edible oil have been installed in the bottling facility of Lesieur in Coudekerque (North of France). The oil, sauce and condiment company can now produce light-weighted bottles and use recycled PET (rPET).

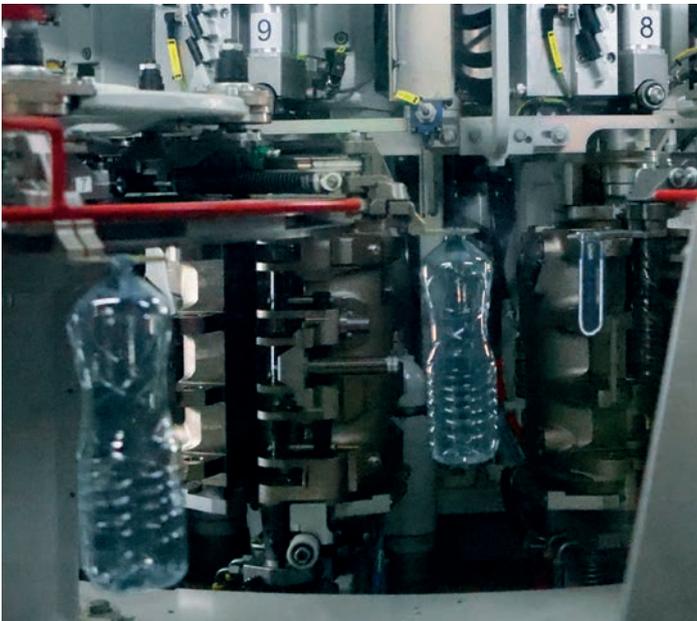
Operationally, the combination of the two technological experts for edible oil, Sidel for Blowing and Serac for Filling/Capping, has also helped Lesieur rationalise its number of bottle formats and reduce its overall changeover times as well as its energy consumption.



*“The Coudekerque site is one of the largest in Europe in terms of bottling volumes.”*

*“Our values focus on nutrition, health and sustainability.”*

Christophe Lance,  
Plant Manager



## KEY FIGURES

- Site production volume: **240,000 metric tons** of oil
- Bottling capability: **170 million liters**
- Investment of **20 million euros** over **3** years
- Bottle formats: **0.5 & 1L**, up to **2 & 3L**
- Line Speeds: from **15,000 to 30,000 bottles/h**
- Bottle redesign: optimization of the number of bottle formats from **22 to 14**
- Bottle weight optimization: **16-18 grams** with up to **100% rPET**.



*"A Combi perfectly meets our production and adaptability needs."*

*"The combination of the two suppliers was a safe bet for us, and we were certain of getting good results."*

Francis Arulraj,  
Project Manager



## SUSTAINABILITY AMBITIONS

Whether transparent or opaque, PET is the material of choice when it comes to bottling edible oil, since the bottles can be formed into specific shapes.

The weight of our preforms has been reduced, to produce bottles between 16-18 grams, with up to 100% rPET for the Lesieur brands. Important carbon footprint reductions have also been made in Coudekerque, with lower electrical consumption thanks to an optimized oven and lamps. In addition, lower blowing pressures have also led to energy savings in the compressor fleet. By rationalizing the number of bottle formats from 22 to 14, thanks to a common outer diameter, Lesieur has a much leaner way to approach the production schedule, while still being able to propose different shapes to their customers.



*"We initially had a capacity of 7 small, low speed lines."*

*"Now, we have 5 high speed lines, and we have also increased our general production capacity."*

Denis Trelhu,  
Production Manager



## KEY ADVANTAGES OF THE COMBI BLOWING/FILLING/CAPPING

- Compact layout with a single operator (Footprint reduced by up to 30%)
- Improved ergonomics with removal of conveyors and walkways
- Consistent bottle quality thanks to heating and blowing technology
- Lower electrical consumption in the oven, thanks to an optimized oven and lamps
- Lower blowing pressures leading to a drop in energy consumption for compressor
- Weight filling, the most accurate technology for filling edible oil
- Filler/capper with a hygienic design focus
- 95% full system efficiency
- Worldwide references
- Technological leadership at every stage



***"2 leading brands for all Edible Oil requirements!"***

***"And a solution for staying one step ahead."***



[www.sidel.com/edible-oil-lines](http://www.sidel.com/edible-oil-lines)

[www.sidel.com/combi-for-edible-oil](http://www.sidel.com/combi-for-edible-oil)