

Flat cap decontamination Chilled Dairy Product: L'ARMORICAINE LAITIÈRE

Application : **FLAT CAP**
 Market : **FLAVORED DRINKING YOGHURT**
 Customer : **L'Armoricaine Laitière**
 Installation : **2010**



Company	Product	Packaging line
<ul style="list-style-type: none"> L'Armoricaine Laitière French dairy cooperative Annual Turnover: 25M€ Annual Production : 15 000T Staff : 85 persons 	<ul style="list-style-type: none"> Flavored drinking yoghurt Shelf life : 28 to 35 days 	<ul style="list-style-type: none"> Existing Serac Line Speed : 22,000 bph (8000 T/year) <p>Packaging : Flat Cap</p> <p>HDPE flat cap, 32 mm, for 180g bottles</p>

Claranor solution

- 1 lamp optical cavity
- 1 flash/cap
- Integration by Serac above the capping unit
- Trial Results : 3,6log reduction on A. Niger in 1 flash**



Éléments de coûts pour 1000 bouchons

	Investment cost	Running costs	Total cost
Irradiation	/	1,60 €	1,60 €
PULSED LIGHT	0,50 € (5y)	0,04 €	0,54 €
Chemicals (peracetic acid)	0,60 €	0,27 €	

Infos by l'Armoricaine
 Claranor Estimate

Running costs :

For pulsed light : lamps + electricity (0,08 €/kWh)

For chemicals : storage, energy, water, etc.

User Testimonial

Jean-Paul Linet, Managing Director, l'Armoricaine Laitière

"As we have logistic and transportation issues, we need to ensure the safety of (the) production line, in order to comply with our shelf life objective. The closure is a critical point in our packaging process, as it is in direct contact with the product. That is why we have been looking for a disinfection solution for our closures. We have considered pulsed light because of its advantages : simple to integrate and to use, no chemical products in the process, no smell nor noise nuisance in the factory, as well as low running costs. Before that we used to treat some closures, used for the production of sensitive products, with gamma irradiation. The Claranor unit was installed in September 2010. Since then 40 millions bottles have been produced without any issue on the closure quality."