

SPECIAL SYSTEM 5

Cosmetic Industry

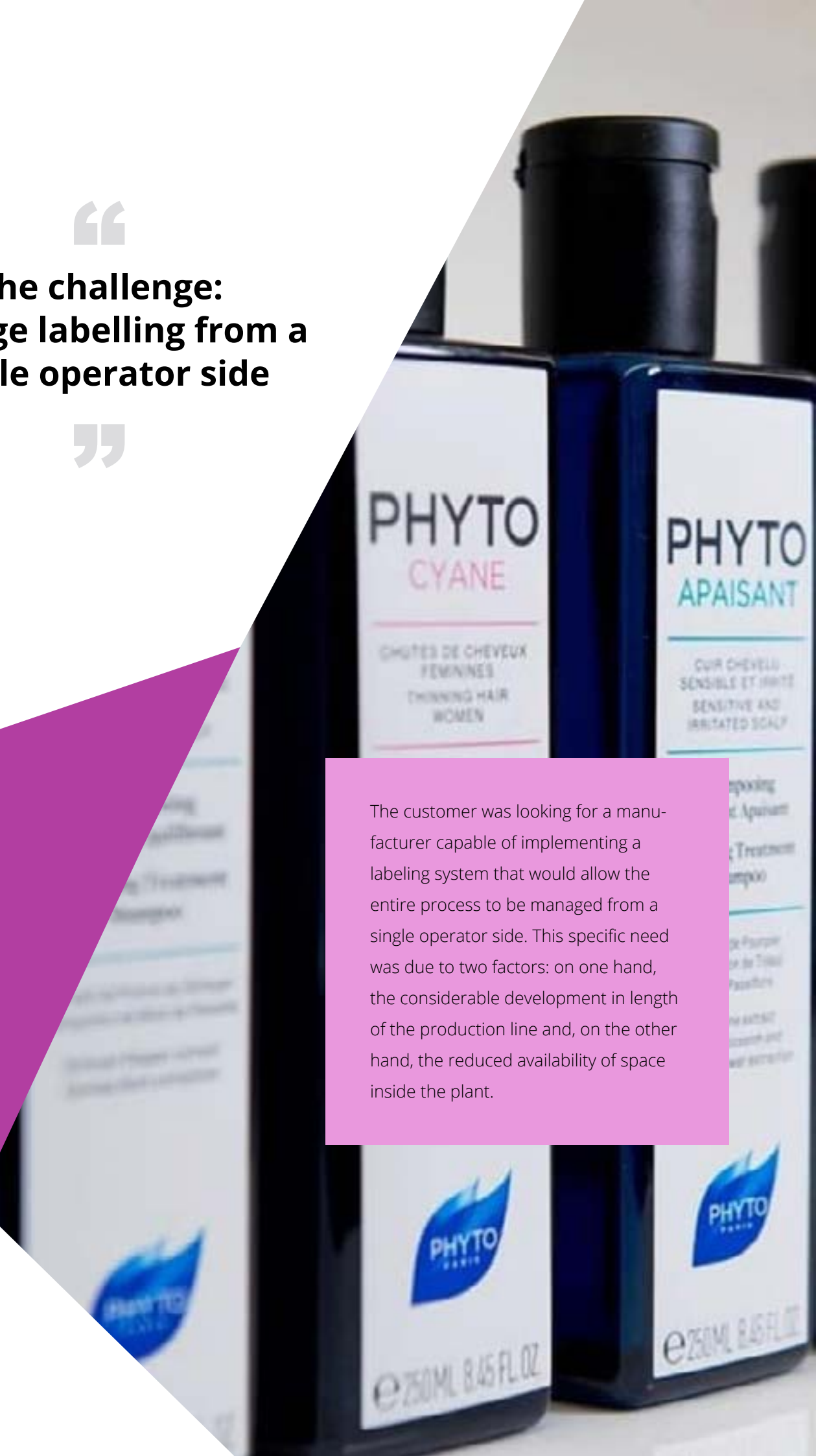
THE CLIENT: ALÈS GROUPE

Founded by Phytosolba laboratories, Alès Groupe is a French holding company specialized in natural cosmetics and hair care products. It controls a portfolio of brands in different cosmetics fields (Lierac, Jowaé) and hair products (Phyto, Kydra, Secret Professionnel, Subtil).

Automatic labelling system for the application of self-adhesive labels on the side surfaces of quadrangular and cylindrical vials

“
The challenge:
manage labelling from a
single operator side
”

The customer was looking for a manufacturer capable of implementing a labeling system that would allow the entire process to be managed from a single operator side. This specific need was due to two factors: on one hand, the considerable development in length of the production line and, on the other hand, the reduced availability of space inside the plant.



THE PROJECT

The critical issues to be considered for the realization of the project were the extension of the line, which made time-consuming the passage of the operator from one side to the other for management, and the lack of space that made double access to the line difficult.



[WATCH VIDEO](#)



Production capacity
square products with
two double-sided labels

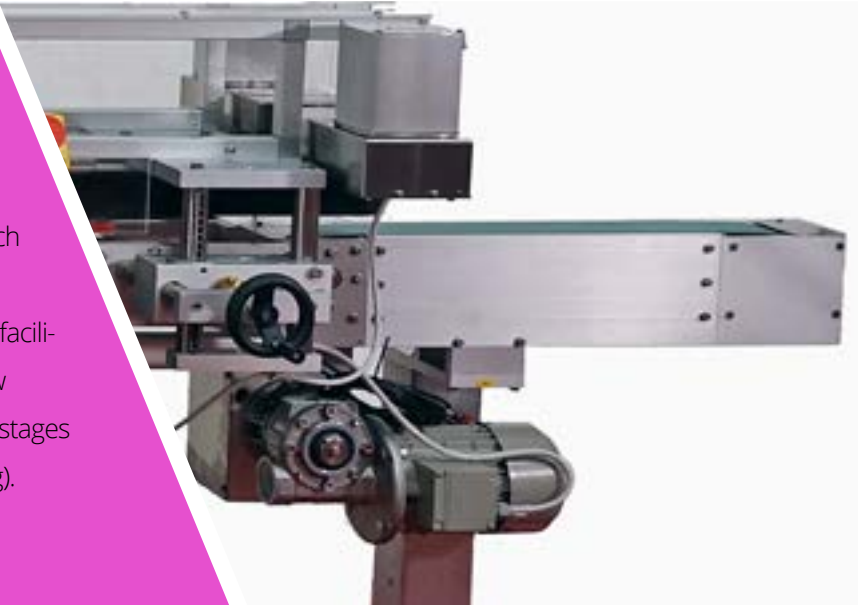


Production capacity
cylindrical products
with wrap-around label



IN-LINE INTEGRATION

Underneath the conveyor, traction motors have been positioned, which allow upstream and downstream belts of the line to be flanked. This facilitates and maintains the sliding flow of products to and from the other stages of production (filling and packaging).



THE SOLUTION

Given the length of the line, it has been designed a solution with adjustments, reel changes and parameter change management, positioned on the same side. To limit manual access, the system is equipped with a protection to detect opening and block operation.



UNIQUE INTERFACE

Single operator interface for the management of both the entire technical sub-fund and all the operational functions.



LABEL CONTROL

COGNEX IS 2000 Vision System complete with Touch Vision View monitor for positioning and labeling control.



MAXIMUM LOAD CONTROL AND OUTPUT

The sensor in the ejected products drawer reminds, with a light signal to the operator, to empty the drawer. The maximum output load sensor checks the right amount of products.

IN DETAIL



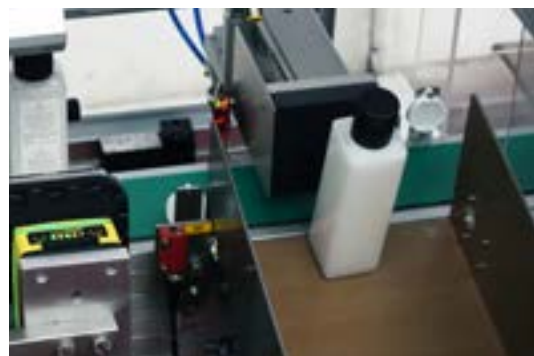
FRONT / BACK APPLICATION

Special device (DRP) carefully prepared to allow the rotation of 180° even of quadrangular products, thanks to a sponge bearing, and to allow front/back labelling.



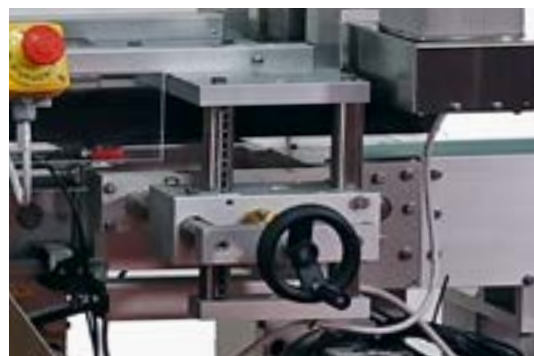
QUALITY CHECK

The ejection system and the waste drawer have been designed ad hoc so as not to spoil the discarded products and to ensure that they can be replenished on the line to be labeled again.



LASER PRINTING

At the output, a pair of ribbons connects the system to the next line and holds the product suspended to allow laser printing on the bottom.



WRAP-AROUND APPLICATION

A 3-roller workstation with gate allows the application of two opposing labels placed alternately on the backing paper.