



SealScope™ increases line output and improves pouch packaging quality

Packaging cooked mushrooms in stand-up pouches is a challenging process. Due to the sticky nature of the product, the timing of the filling is critical. When the filling is either late or too slow, the product might get caught in the seal causing open packages, contaminating sealing bars and consequently reducing machine output due to standstills for cleaning.

Lutèce, a leading Dutch mushroom processing company needed a solution to inspect and optimize the sealing process of a new pouch packaging type. Engilico's SealScope™ is an in-line, non-destructive seal inspection solution that checks top seals of every produced pouch by measuring the impact during the closing of the seal bars. Wrinkles and product in seal are precisely detected by comparing the measurement to a reference signal of a good seal. When deviating too much, a signal triggers automatic rejection. As such, the outgoing quality can be improved, and stand stills due to open bags on the conveyors can be avoided.



Additionally, the monitoring function of SealScope™ also provides feedback on process variances, the number of bad seals, or empty bags. Empty bags can have multiple causes, but with sticky products, they are mostly related to the timing of the multi-head weigher. SealScope™ can issue alarms in case user defined thresholds are exceeded. This allows operators to monitor and optimize the process or to take preventive tuning or cleaning actions.



Rejected pouch, due to product in seal

The benefits of SealScope™ at Lutèce are measurable in both higher machine output and better package quality. Process output has grown with 20% and the remaining number of outgoing compromised packages is steadily below 1 in 10,000 while keeping the overall reject rate below 1%.

"Thanks to SealScope™ we have increased both our machine output and package quality. The technology is easy to install and inspects every single pouch over the full seal length without slowing down the packaging process" says the production manager at Lutèce.

More info: [SealScope™ seal inspection at Lutèce \(movie\)](#)

About Engilico is an innovative technology company that specializes in sealing inspection and monitoring solutions of flexible packages. Engilico's products improve packaging quality, increase machine output and eliminate manual inspection. Engilico is based in Rotselaar, Belgium and is operational worldwide via a combination of direct sales and distributor network. See www.engilico.com for more information.

