

Case Study #63: Beverage Company

Highlights

- Hour-long testing cut to seconds
- Multi-constituent lab analysis with one unit
- 80% reduction in calibration models
- Ability to expand product capacity

Beverage Manufacturer Makes Drastic Cut in Sample Testing Time

Situation:

A beverage company had over 200 products to test and was constantly running its equipment around the clock to get the job done. Typical tests took at least an hour for all product constituents.

With testing taking so long and lab capacity so limited, the laboratory became the bottleneck in preventing the facility from expanding its production capacity. Current conditions were also preventing an important batching system from being added.

Improvement:

ESE's batch process engineers recognized the limitation the current lab equipment was putting on the beverage manufacturer and recommended the state-of-the-art Q5L laboratory analyzer.

This would cut testing time from the standard 60-90 minutes to as little as five seconds and allow the facility to replace the bulk of its lab equipment with a single, multi-constituent testing instrument.

Result:

By grouping 55 specialty products into seven categories, ESE was able to help the beverage manufacturer minimize the number of calibration sets so the facility could start testing products sooner. And what used to take close to 60 calibration models could now be accomplished with less than 10.

Along with greatly reducing the complexity of sample testing, ESE's batch process engineering expertise meant major time savings in the lab. The Q5L analyzer cut hour-long testing

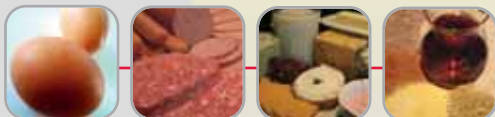
times to just seconds and enabled the plant to further its expansion plans without the need to add costly lab resources.

The beverage manufacturer was so impressed with the results that the company has become a reference for ESE's line of analytical equipment.

**So Fast. So Easy.
So Reliable.**

See why so many food manufacturers are turning to ESE's engineering consultants to meet their automation needs ... and how the Q5L laboratory analyzer can impact your day-to-day operations and significantly improve your plant efficiency. Contact us today and learn how the revolutionary Q5L can work for you.

8/16/07



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