

# Case Study #52: Cheese Company



## Highlights

- Improved milk standardization
- Elimination of maintenance headaches
- Better plant efficiency from in-line analysis
- Control system improvements

## Q5I Replaces Outdated Equipment and Uncovers Hidden Process Issues

### Situation:

A cheese plant was looking for an alternative to the aging Foss equipment it used to standardize fat and protein in cheese milk. Already realizing the great benefits of product standardization with tight process set points, the plant simply wanted a more reliable answer to sample testing.

### Improvement:

ESE used its plant system engineering experience to review the facility's entire system of process controls and determined that a Q5I in-line analyzer would be the best replacement option and require minimal modification to the existing control system.

### Result:

With the successful transition to ESE's Q5I in-line analyzer for multi-constituent testing, the plant was able to improve its milk product standardization, enjoy higher yields and incorporate similar installations within the organization.

Not only has the Q5I eliminated housekeeping and maintenance upkeep related to the aging equipment it replaced, but its superior repeatability also uncovered issues with the plant's physical production equipment and control system that had gone undetected for years.

ESE's team of plant system engineers helped diagnose and correct these issues, which enabled the client to increase its plant efficiency even more!

### So Fast. So Easy. So Reliable.

See why so many dairy processors are turning to ESE's engineering consultants to meet their automation needs ... and how the Q5I in-line analyzer can impact your day-to-day operations and significantly improve your plant efficiency. Contact us today and learn how the revolutionary Q5I can work for you.

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**Optimizing the Process.**  
*Maximizing Your Profits.*

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