

# Case Study #68: Meat Productivity



## Highlights

- Effective measurement of product constituents
- In-line analysis without flow interruption
- Detailed process data
- Increased productivity and profitability

## Meat Manufacturer Successfully Transitions to In-line Measurement

### Situation:

A ground meat manufacturer wanted to find a better way to measure fat, moisture and protein percentages to improve product consistency prior to the final mixing stage. Offline measurements were really slowing the client's ability to accurately control the conformity and consistency of products.

### Improvement:

ESE's process engineers took an in-depth look at the manufacturer's current recipes and processes. They determined that the Q5i in-line analyzer could effectively measure the necessary product constituents in the existing process stream without any interruption to normal flow.

### Result:

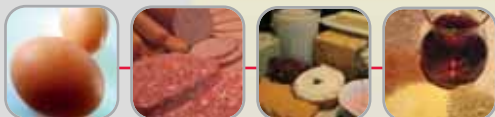
ESE successfully integrated the Q5i in-line analyzer into the meat manufacturer's process stream. Along with the high-performance optical system of the Q5i, the user-friendly Process Optimizer software provided effective in-line measurement of product constituents in just seconds. Fat, moisture and protein percentages were measured while the product was still in the process stream.

With detailed process data available from the Q5i, ESE's process engineers helped the manufacturer implement additional control as required by changing production demands. The company's productivity and profitability were significantly enhanced by reducing the testing time and eliminating manual sampling requirements.

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

See why so many meat manufacturers are turning to ESE's engineering consultants to satisfy 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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