

PassTrac[®] Food Safety Analytics

Predictive modeling and prescriptive analytics set us apart

PASSTRAC[®] ANALYTICS, a division of Passport[®] Food Safety Solutions, has assembled a team of data engineers, data scientists, statisticians and food safety professionals that offers our customers instant access to a wide array of innovative solutions to complex food safety issues.

Using patented technology, PassTrac Analytics has developed the only advanced analytics system built specifically for food safety. Leveraging powerful machine learning (ML) technologies, PassTrac provides specific, real-time recommendations to reduce the presence of pathogens, enhance risk management capabilities and improve the understanding and management of the total food safety system.

PassTrac's innovative solutions take analytics well beyond anything currently being done in the food safety industry. It provides critical insights that meat protein companies need to make the most informed, rapid and cost-efficient decisions possible.

First, microbial data is received from the plant, and PassTrac Analytics enhances it with relevant operational and environmental data.

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Then, it uses advanced patented technology to find patterns that would otherwise go undetected by a data expert using traditional statistical techniques.

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The insights created from these models identify opportunities to optimize food safety programs, reduce risk and enhance profitability for the plant.

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PassTrac Analytics' unique, individualized approach delivers the most valuable insights in the industry:

- **DESCRIPTIVE ANALYTICS**

Combines all your information from multiple data sources into one organized location and aggregates that data to build a real-time dashboard to monitor current processes and examine past performance.

- **DIAGNOSTIC ANALYTICS**

Identifies potential correlations of multiple variables that impact performance outcomes.

- **PREDICTIVE ANALYTICS**

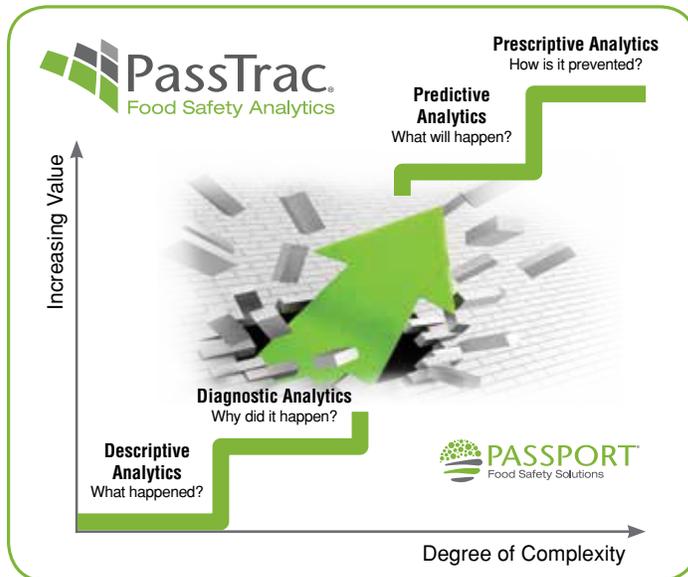
Leverages machine learning (ML) that powers automation to accurately identify high-risk situations long before they happen and proactively strengthen food safety systems to meaningfully identify risk. Our patented technology evaluates your data in minutes, using thousands of models to create a "Super Model" that most accurately predicts outcomes using your specific data. PassTrac Analytics can accomplish this in just hours, compared to an analytics team which might take six to eighteen months to complete a project.

- **PRESCRIPTIVE ANALYTICS**

Combines predictive modeling with food safety industry expertise to reveal the optimal actions to take in order to lower pathogen levels. No matter how complex the

operation, our innovative solutions will identify critical areas and provide the insights you need to optimize your program.

By bridging the gap between traditional basic descriptive and diagnostic data analysis and the future of process management using advanced predictive and prescriptive analytical technologies, PassTrac Analytics helps companies not only reduce their risk, but reduce foodborne pathogens more effectively and economically than the industry has been able to do before now.



**Framework by T. Davenport "Competing on Analytics"*

For questions or to learn more about how PassTrac Analytics can work for you, call **515-334-8035** or visit **www.passportfoodsafety.com**.

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