



Specialty Paper Manufacturer Saved from Potential Financial Disaster Caused by 0.1 MM Problem



“AutomaTech provided really strong, effective training to help us understand the products we were using. That consultative relationship was really helpful to fix our problem and get us back on track.”

Jim Schneider
Senior Manager
IT Services, Crane & Co.



Plant Applications captured data points created during production – allowing Crane to ensure the paper was being cut and printed correctly.

Overview

Crane Currency, a Crane Co. company, is a fully integrated supplier of secure, durable and well-designed banknotes for central banks all over the world. A pioneer in advanced micro-optics technology, Crane Currency provides a wide range of engaging visual effects in features that increase the level of security and public trust in banknotes.

Challenge

Crane was engaged by a customer to produce a new banknote to prevent digital replication and combat counterfeit issues. By introducing micro-optic security features, they will help the customer stay ahead of counterfeiting and future-proof the notes for years to come.

During the initial printing process, Quality Control discovered a production defect, which nullified a portion of the product. Upon investigation, Crane realized that the specialized design of this banknote was causing the paper to misalign when hitting a roller during the production process. This caused random occurrences of the imperfection.

In order to complete production and meet their deadline, Crane needed to quickly analyze this highly automated, fast-moving process to determine why the defect was occurring.

Solution

AutomaTech worked with Crane to build numerous product and process trials and scenarios – using GE Digital’s Plant Applications and Historian solutions to gather and analyze data. With thousands of MES implementations around the world, Plant Applications automates and integrates information-related activities for managing production execution and optimizing performance.

Armed with detailed reporting, AutomaTech helped Crane determine the root cause of the defect, enabling them to implement changes and eliminate the problem. Crane was able to configure Plant Applications to provide real-time trends, statistics, and notifications of the process to help reduce rework and avoid errors.

Results

Crane quickly implemented a process change to eliminate the problem and were able to complete the order with no further errors. AutomaTech provided additional training to Crane's process engineers exposing them to additional features and benefits of the Plant Applications software.

Using Plant Applications, Crane was able to reduce costs and improve agility of their discrete process. In the future, this MES solution will provide them with real-time visibility and deep operational intelligence to quickly address any issues before they become a larger, more costly problem.

Crane successfully delivered the product to their customer while avoiding revenue loss.

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AutomaTech has extensive experience helping manufacturing and industrial clients with automating enterprise-wide data collection, simplifying data visualization and reporting, and enabling powerful analytical tools to optimize your most important processes to leverage the power of your data.

Want to learn more?
**Reach out
to our team.**



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