



ToolTrack All-In-One MES Solution

www.chainreactionsystems.com

925-407-2070

“Chain Reaction Systems (CRS) was able to customize to our specific needs at a fraction of the cost of other systems investigated” - David G., Quality Manager at FLTC

Bridging the Gap

ToolTrack was designed to help small & mid-size manufacturing companies break free from the confines of paper travelers & spreadsheets. Legacy MES offerings are cumbersome to use, overly expensive and rely on outdated technology stacks. Too many SMBs were being ignored by the MES market, so CRS built ToolTrack to provide an affordable, modern and customized solution with enterprise-grade functionality for less than 50% of our competitors. We're manufacturing people first... We get it.

“An affordable, modern and customized solution with enterprise-grade functionality”

All-In-One

Funai Lexington Technology Corporation (FLTC) engaged CRS in July of 2020 looking for an all-in-one solution to replace the current manual processes and storage for production track & trace (MES), equipment maintenance (MMS), and quality management (QMS).

Enter ToolTrack MES

By October 2020, CRS had customized and implemented ToolTrack for FLTC using the Software-as-a-Service (SaaS) deployment model. The result was a fully hosted web-native solution that automatically provides organized, real-time information across all aspects of the business, accessible from any device. Furthermore, having a single source of truth with extensive and intuitive reporting capabilities streamlined the audit process for FLTC to become ISO9001:2015 compliant, increasing business efficiency from design through final manufacturing.

Tangible ROI

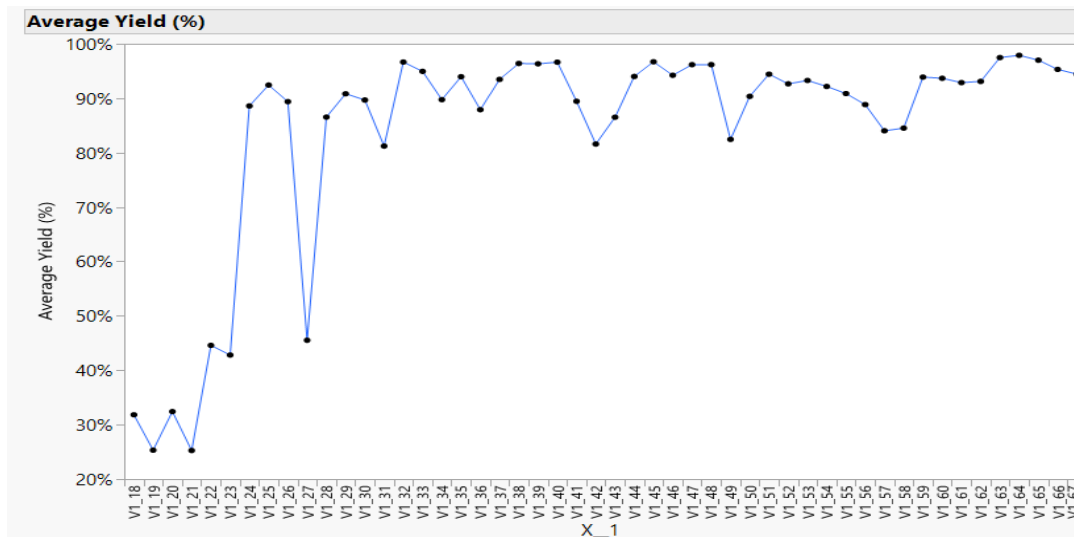


Figure 1: Real FLTC Average Wafer Yield Data.

“Real-time data, Corrective & Preventive Action tracking, and robust document revision control all managed in a single interface”

During the development and pre-production phases of a new flagship product, the return on investment in ToolTrack became clear. ToolTrack enabled FLTC engineers to quickly identify & quantify a critical yield issue through proactive SPC rules, then easily track the subsequent process improvements necessary to solve it with controlled experiment releases. With the benefit of real-time data, Corrective & Preventive Action (CAPA) tracking and robust document revision control all managed in a single user interface, average wafer yield for the new product was increased roughly 3x in a short period of time as seen in Figure 1. Similar yield excursions in the past have taken significantly longer to solve when being forced to deal with multiple disconnected spreadsheets and paper travelers. And because ToolTrack is a hosted solution for FLTC, corporate and partner sites around the world can seamlessly share & approve new process developments and operating procedures with strict permission control.

We deliver results.

TOOLTRACK™

About FLTC

Funai Lexington Technology Corporation (FLTC), based in Lexington, Kentucky, provides thermal inkjet microfluidic solutions for specialty printing applications. Learn more at <https://www.funailex.com>.