

Apps Ecosystem

# Genealogic



Accelerate root cause analysis with full production traceability.

## Overview

Homing in on potential root causes during containment processes is a complex and difficult task. This is made all the more difficult when there are genealogy operations, with multiple history chains of different lots having to be analyzed at once. Genealogic aims to close these gaps, seamlessly giving the user access to all the traceability info required for the analysis.

With the graphical Genealogy Explorer, the user can effortlessly expand or reduce the scope of the search, bringing together the historical information across all related lots and materials. By combining Genealogy and History data, Genealogic helps manufacturers quickly respond to any quality problems.

## Key Features

- **Full Chain Traceability:** Browse through finished good, semi-finished assemblies and raw materials in a seamless approach.
- **Intuitive Searching:** Direct the search to the relevant lots and operations using the Genealogy Explorer.
- **Root Cause Highlighting:** Highlight potential root causes – Non-Conformances, Holds, Reworks – and track them visually on the Genealogy Explorer
- **Multi-Lot History:** View the history of related lots as a single log – such as the transfer lots of a large production batch.
- **Advanced Filtering:** Tailor the History Table to any scenario – filter, order, include/excluded necessary columns.
- **Exporting and connecting with MES:** Continue your search by exporting the History Table, or by requesting the MES eDHR with a single click.

## Benefits

- **Faster Root-Cause Analysis:** Helps engineers cut down on response time and quickly implement recalls.
- **Increased Quality Control:** Tackle quality control in complex manufacturing workflows, where lot relationships are not easy to analyze.
- **Fast Decision-Making:** Quickly react to day-to-day quality issues with immediate visibility into lot history.



**Critical**  
manufacturing  
an ASMPT company

**Disclaimer** · The information contained in this document represents the current view of Critical Manufacturing on the issues discussed as of the date of publication. Because Critical Manufacturing must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Critical Manufacturing, and Critical Manufacturing cannot guarantee the accuracy of any information presented after the date of publication. This document is for informational purposes only. Critical Manufacturing makes no warranties, express, implied or statutory, as to the information herein contained.

[contact@criticalmanufacturing.com](mailto:contact@criticalmanufacturing.com) · [www.criticalmanufacturing.com](http://www.criticalmanufacturing.com)

---

## Minimum Requirements

Workload	vCPU	Clock Speed	Memory	Disk Storage	Version
MES	50	2+GHz	128GB	*	> 11.1.0
Genealogic	6	2+GHz	8GB	100GB	1.0

\*Please check this documentation for further information on optional volumes configuration:

<https://help.criticalmanufacturing.com/systemrequirements/application-layer/applicationlayercontainers/#persistent-storage>

---

## Supported Browsers

Operating System	Supported browsers
Android 6.0 or later	Google Chrome
Linux ARM	Chromium
Microsoft Windows 8 / 8.1 / 10 / 11 (32 or 64-bit editions)	Google Chrome / Microsoft Edge
macOS	Google Chrome