

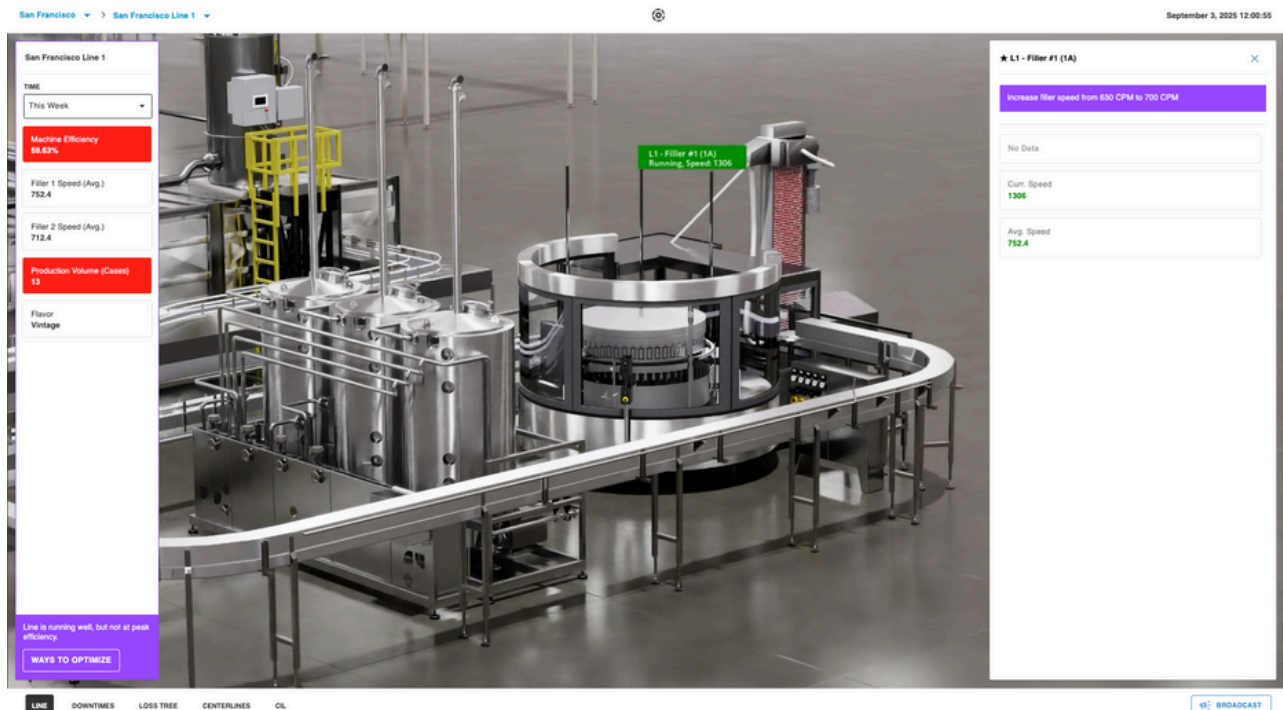
Factory RCA MCP



Provides MCP Server support for Agents such as the Filler Agent, including ML tools for machine availability and throughput

Factory RCA MCP provides MCP Server support for agents such as our Filler Agent and Furnace Agent, and includes ML tools to optimize machine availability and throughput.

For example, our Filler Agent which is built on Factory RCA MCP server generates real-time insights for Operations teams to run filling and bottling lines at optimal Availability and Throughput. Improvements at the filler translate into improvements at the line level, as this is the most critical machine in the entire bottling line. This means that even modest, single-digit improvements at the Filler can generate substantial financial benefits, often worth hundreds of thousands of dollars annually.



The Filler Agent, built on Factory RCA MCP, uses a multi-agent architecture, with an orchestrator agent, a Downtime agent and a Throughput agent. Each agent uses pre-validated machine learning (ML) tools to ensure that the results are highly accurate.

The Filler Agent generates relevant and meaningful insights such as:

- Data values and trends over time for Filler KPIs
- Root cause analysis of issues at the Filler
- Simulation of real-world scenarios such as predicting throughput when a certain process parameter value changes.

Built on Azure AI Foundry Agent Service, this agent delivers real-time insights and predictive analytics to shop floor teams through a natural language interface, without requiring data science expertise.

