



# Ignition-Based Batching System

The goal of the project was to develop a single-threaded batching engine for a fluid bed dryer that would be flexible and robust while being a fraction of the cost of alternative solutions. By leveraging the Ignition platform and the Sepasoft Recipe module, the Grantek team developed a fully-validated solution that enables 21 CFR Part 11 compliance by supporting electronic signatures, enhancing Ignition's built-in audit trail functionality, and maintaining Electronic Batch Records (EBR) that adhere to Data Integrity principles.

For more information please contact Grantek at [info@grantek.com](mailto:info@grantek.com)

Ignition Screens

The screenshot displays the Ignition Recipe Control interface. A central dialog box titled "Recipe Approval from Rev: 0.03 to 1.0" is open, showing details for the "TZ Test Demo 1" recipe. The dialog includes fields for "Current Revision: 0.03", "Current Mode: Production", "Username: TZ00024036", and "Current Time: May 14, 2020 3:58:14 PM". It also features a "Reviewed By" field with a masked name, a password field, and a "Comments" field containing the text "test". A "Submit" button is visible at the bottom of the dialog. In the background, the main interface shows various recipe parameters and a list of ingredients with their respective quantities and units.

Reports

This section displays a collage of reports generated by the system. The reports include:
 

- Process Data Detail Report:** A table showing process data for various parameters over time, including flow rates and temperatures.
- Recipe Change Log Report:** A table detailing recipe changes, including the revision number, change type, and the user who made the change.
- Process Data Chart Report:** A line graph showing process data over time, with a legend indicating different data series.
- Alarm Log Report:** A table listing system alarms, including the alarm name, description, and the user who acknowledged the alarm.
- Audit Trail Report:** A table providing a detailed audit trail of system activities, including user logins, recipe changes, and other system events.

[info@grantek.com](mailto:info@grantek.com) 866.936.9509



# GRANTEK