

Inventory tracking and raw materials management

Automatically monitors inventory levels of brewing ingredients and packaging materials, triggering purchase orders when stock runs low to prevent production delays.

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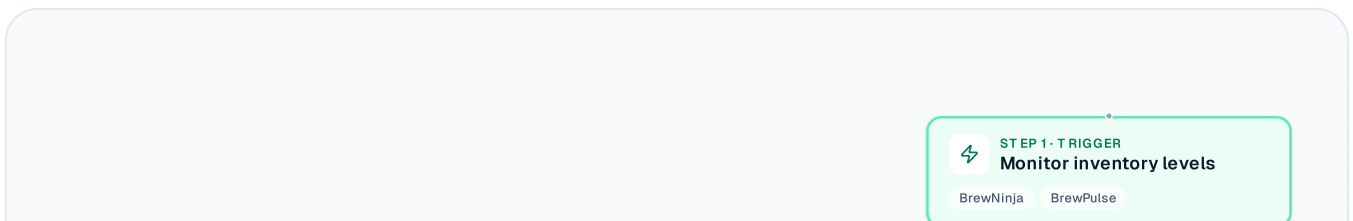
WORKFLOW TRIGGER

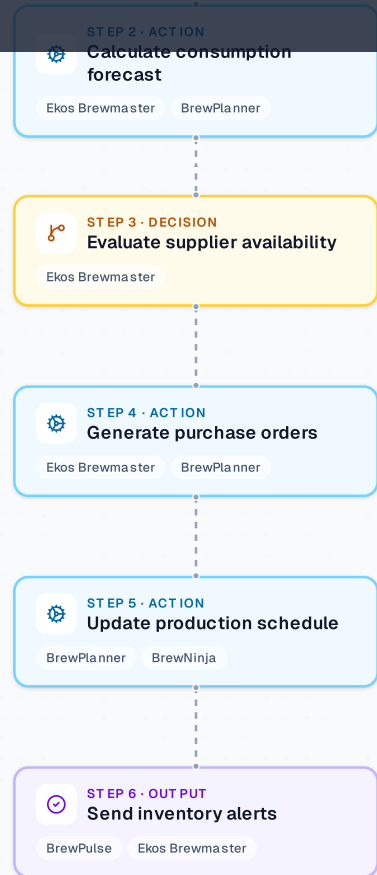


Inventory sensor detects ingredient or packaging material levels dropping below predetermined thresholds.

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Monitor inventory levels

Smart sensors continuously track grain, hops, yeast, and packaging material quantities in real-time. Alert is triggered when any item falls below

minimum stock threshold.

AI Business OS

BrewNinja

BrewPulse

2

 ACTION

Calculate consumption forecast

System analyzes current production schedule and historical usage patterns to predict future material needs. Calculates optimal reorder quantities based on lead times and batch requirements.

Ekos Brewmaster

BrewPlanner

3

 DECISION

Evaluate supplier availability

Checks preferred supplier inventory and delivery schedules to determine best procurement option. Routes to emergency supplier if primary vendor cannot meet timeline requirements.

Ekos Brewmaster

4

 ACTION

Generate purchase orders

Creates and submits purchase orders to selected suppliers with calculated quantities and delivery dates. Includes quality specifications and brewing schedule constraints.

Ekos Brewmaster

BrewPlanner

5

 ACTION

Update production schedule

Adjusts brewing timeline if material shortages require schedule modifications. Notifies production team of any batch delays or recipe substitutions needed.

BrewPlanner

BrewNinja

6

🎯 OUTPUT

Send inventory alerts

Delivers notifications to brewery management with updated inventory status, pending orders, and production schedule adjustments. Provides dashboard with current stock levels and forecasted needs.

BrewPulse

Ekos Brewmaster



Outputs

- Automated purchase orders sent to suppliers
- Updated production schedule with material availability
- Real-time inventory dashboard with stock levels and reorder status



Key Metrics

- Inventory turnover rate

- Stockout frequency
- Purchase order accuracy

AI Business OS



Tools & Integrations

- BrewNinja
- BrewPulse
- Ekos Brewmaster
- BrewPlanner

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