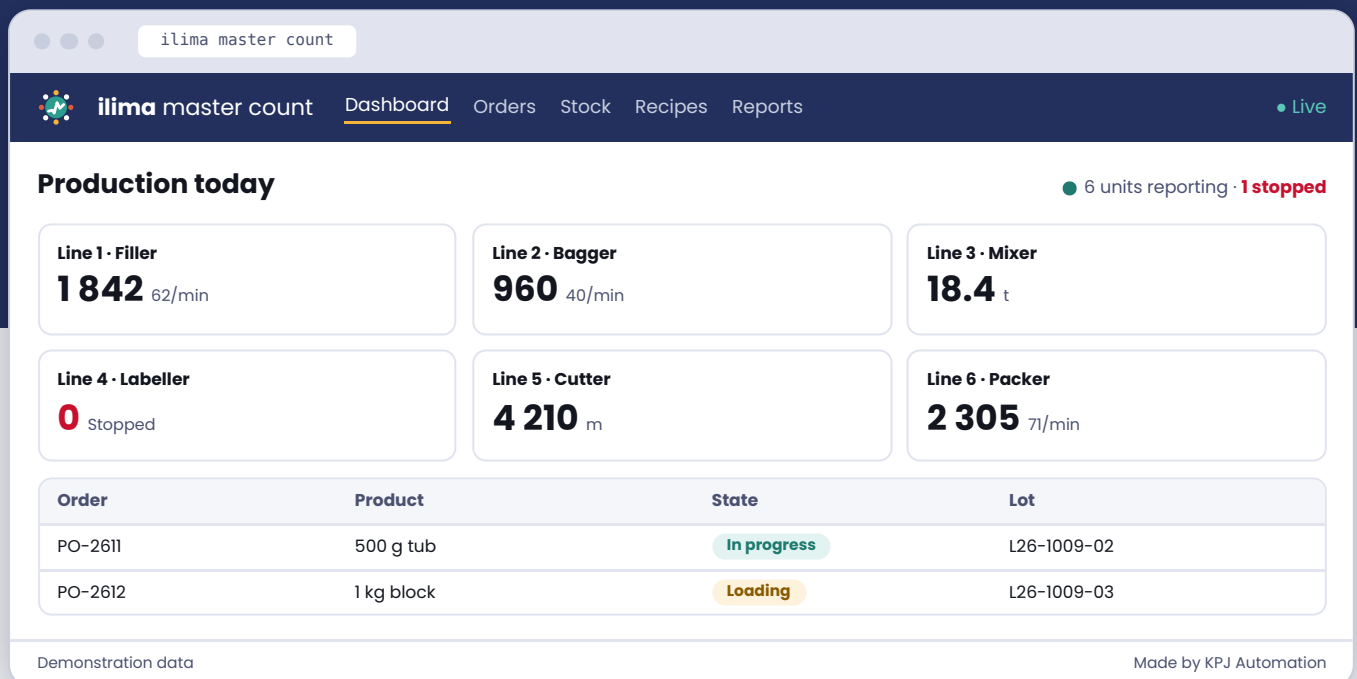


PRODUCTION MONITORING SOFTWARE · PRODUCT INFORMATION

ilima master count

Every counter on the plant on one screen — with stock, recipes, production orders and lot traceability behind it, running on your own PC.

**20**

ilima count units on one dashboard

3

roles: administrator, supervisor, operator

0

per-unit or per-seat monthly fees

WHAT IT IS

The questions managers ask, answered across every line

One counter on one machine tells you about one machine. A plant has several, and the questions managers actually ask cut across all of them: what did we make today, which line is behind, what did that order consume, and where did the material in a lot come from.

ilima master count is a Windows application that polls every ilima count unit on the network and answers those questions. It carries a materials and stock ledger, recipes and bills of material, production orders with a proper state machine, and lot traceability from goods received through to finished batch.

Every unit reports in

Each counter keeps its own screen and runs standalone; ilima master count aggregates them, adds the order and stock context, and keeps the history. If the PC is off or the network drops, every counter keeps counting and reports in when the link returns.

BENEFITS

What it gives you

◆ The whole plant on one dashboard

Up to twenty counter units polled over the factory network, with live status per line.

◆ Guided material loading

The software pushes the recipe to the input unit; the operator confirms each material to target on the unit's own screen before the machine starts.

◆ Lot traceability

From goods received through recipe and run to the finished batch, in one report.

◆ Production orders that mean something

Planned, loading, in progress, completed — with material issued against the order, not guessed afterwards.

◆ Stock that reconciles

One materials ledger with signed movements — goods received, issues, scrap — so the stock figure has an audit trail behind it.

◆ Stop and verify

A run can be closed against a physical count, with the variance and a note recorded rather than quietly absorbed.

WHAT IS IN IT

Four modules on one database

Production

- ◆ Orders: planned → loading → in progress → completed
- ◆ Assign an input unit and an output unit to an order
- ◆ Guided loading with per-material progress and confirm
- ◆ Capture actual quantity from the unit's own scale or counter
- ◆ Stop & Verify against a physical count

Stock & recipes

- ◆ Single materials master with a signed stock ledger
- ◆ Goods received notes; issues against orders; scrap recorded separately
- ◆ Recipes per product with material lines
- ◆ Costing-only factor lines for water, labour and energy
- ◆ Recipe pushed to the input unit at loading

Monitoring & reporting

- ◆ Live dashboard across all units
- ◆ Downtime events on a genuine running-to-stopped transition
- ◆ Lot traceability report
- ◆ Schedule view and production reports
- ◆ CSV export throughout

ACCESS AND ACCOUNTABILITY

An operator cannot quietly change a recipe or a stock figure

- ◆ Three roles — administrator, supervisor and operator
- ◆ Audit trail of sign-ins and changes, viewable in the application
- ◆ Repeated failed sign-ins lock the account, and every attempt is recorded
- ◆ Forced password change on the default administrator account at first use
- ◆ Each counter has its own password: it will not accept a poll or a recipe from anything that cannot authenticate

SPECIFICATION

Technical specification

ITEM	DETAIL
Platform	Windows desktop application
Units supported	Up to 20 ilima count units
Communication	Over the plant network to each unit, with a per-unit password
Database	MySQL on the plant PC or your own server
Roles	Administrator, supervisor, operator
Production orders	Planned, loading, in progress, completed and cancelled
Stock	Materials master with a signed stock ledger — receipts, issues and scrap
Recipes	Material lines plus costing-only factor lines
Traceability	Goods received → issue → run → finished lot
Reporting	Inventory, production and lot traceability, with CSV export
Licensing	Once-off. No per-unit or per-seat monthly fee

Your data, your machine. ilima master count runs on a PC at your plant against your own database. There is no vendor cloud in the path, and it grows one unit at a time: start with the line that matters most, prove it, then add units.

THE ILIMA RANGE

Start with one unit. Grow the whole plant.

ilima count Counts, rates, batches and lots on one machine	ilima gateway Puts RS-485 PLCs and drives on the network	ilima pump Pressure and supply control for one pump	ilima irrigate Four zones, schedules and rain inhibit
ilima scada The whole plant on one screen, with alarms	ilima master count Orders, stock, recipes and lot traceability	ilima maint Job cards, machine files, spares and shifts	by KPJ Designed, built and supported in La Mercy, KwaZulu-Natal

WHERE IT FITS

Typical applications

Food and beverage production

Packaging and filling plants

Batching and blending operations

Bagging and packing lines

Multi-line factories needing one production view

Plants that must trace a batch to its materials

HOW KPJ DELIVERS IT

From site walk to handover

01

Survey the lines

We work out what each line should count, what the products and recipes actually are, and where the units go.

02

Install the counters

Units supplied configured, wired and commissioned on each machine.

03

Set up the software

Database, users, materials, recipes and products loaded with you, on your PC.

04

Train and hand over

Operator, supervisor and admin walkthroughs, a written record of the configuration and a first backup.

What we need from you

A Windows PC at the plant, on the same network as the counters. The products, recipes and materials you run today, in whatever form you keep them. And a supervisor for a day, so the orders and lots match how the plant really works.

Want one production number you can trust?

We will walk the plant, count the lines worth counting, and show you what the dashboard would look like.

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About KPJ Automation

KPJ Automation is an independent industrial controls and automation house in La Mercy, KwaZulu-Natal, and the maker of the ilima range. Stephan Roets brings more than ten years of hands-on plant experience to every job: design, panel build, installation, commissioning and breakdown support. KPJ designs, builds and supports every ilima product itself, so the person who wrote the firmware is the person who answers the phone.

ilima is a product range made and distributed by KPJ Automation (Pty) Ltd · Reg. 2022/646768/07 · La Mercy, KwaZulu-Natal, South Africa. Interface images are representative renders of the software using demonstration data; site and tag names are illustrative. Specifications are current at 9 October 2026 and may change as the product develops. Issued for information; does not form part of a contract. Formerly sold as KPJ Master Count.