



Atlas



Patient specific medication dosing

Versatility, efficiency, governance

*For hospital pharmacies and community multidose pharmacies
where dispensing automation meets clinical governance*

THE CHALLENGE

Dispensing automation is typically sold by machine vendors — coupling the clinical workflow to the hardware. Change machines, and you change systems. Run a mixed fleet, and you manage multiple clinical layers. But the deeper challenge is translation: e-prescribing systems record prescriptions in clinical terms — active ingredients, generic medications, intended doses — while dispensing machines operate on specific products, cassette configurations and production instructions. Bridging that gap accurately, at scale, is where most platforms fall short.

OUR SOLUTION

Atlas orchestrates the full dispensing pipeline across both hospital and community pharmacy settings — one platform with built-in clinical review, hardware-agnostic execution across mixed machine fleets, and closed-loop traceability from prescription through to billing. It integrates with hospital EPRs, national e-prescription infrastructure, drug catalogues and financial systems, with no dependency on any single dispensing hardware vendor.

SOLUTION IMPACT

Atlas can be configured to serve either a community pharmacy or a hospital pharmacy enterprise. Measurable outcomes include:

VERSATILITY

Atlas supports high-volume community pharmacy pouch dispensing against medication cards as well as just-in-time hospital inpatient unit-dose workflows on the same platform.

EFFICIENCY

Dispensing is verified and planned in minutes rather than hours. Logistical review surfaces stock and machine readiness before a run starts — cutting mid-run interruptions.

GOVERNANCE

Closed-loop traceability from prescription through to billing — dispensing confirmations, errors and material usage feed back to the prescription source and financial system.

CORE CAPABILITIES



DISPENSE PLANNING

Selects the right product for each dose — substitution rules, strength and form conversions, pouch-grouping logic — before any order reaches a machine. Clinical decisions separated from hardware execution.



SMART CLINICAL REVIEW

The comparison against the previous dispense filters away unchanged items, so pharmacists focus their attention on new prescriptions, modifications and stops rather than working through the full medication list every cycle.



LOGISTICAL REVIEW

Stock levels and low-stock items surfaced before dispensing begins — preventing avoidable mid-run interruptions that clinical review alone cannot catch.



HARDWARE-AGNOSTIC EXECUTION

Atlas generates one hardware-agnostic dispense message. Thula's integration module translates it per machine vendor. Change hardware or run mixed fleets without changes to the clinical layer.



SYSTEM INTEGRATION

Connects to hospital EPRs, eMed/medication card systems, national e-prescription infrastructure, drug catalogues, patient identity registries and financial systems via OIDC authentication and HL7-based messaging.



CLOSED-LOOP TRACEABILITY

The consequence of full integration: dispensing confirmations, errors and material usage feed back to the prescription source and financial system — closing the loop from prescription through to billing.

WHAT CHANGES FOR YOU



PHARMACISTS AND CLINICIANS

NO MORE MANUAL TRANSLATION

Prescriptions flow directly from the e-prescribing system into dispensing instructions, eliminating the manual re-entry of clinical orders into dispense systems that most teams currently do from paper or screen.

ELIMINATE TRANSCRIPTION ERRORS AT SOURCE

Automated translation from active ingredients and generic prescriptions to the actual products loaded in your machines removes the most common point of entry for dispensing errors.



PHARMACY OPERATIONS

NO MID-RUN STOPPAGES FROM AVOIDABLE STOCK ISSUES

Logistical review surfaces machine readiness and low-stock items before the run starts — not halfway through.

CHANGE MACHINES WITHOUT CHANGING SYSTEMS

Hardware-agnostic execution means equipment changes — or running a mixed fleet — don't require clinical system changes.



IT AND PROCUREMENT

ONE SUPPLIER FOR DIFFERENT DISPENSING CONTEXTS

No separate vendors for hospital and community dispensing — one contract, one integration posture, one audit trail.

NO RIP-AND-REPLACE OF EXISTING SYSTEMS

Atlas sits between existing EPR, drug catalogue and financial systems — strengthening them rather than replacing them.

ATLAS ALTERNATIVES

		
CAPABILITY	MANUAL PROCESS	ATLAS
• Automatic generic-to-product translation • Detection of prescription changes since last dispensing • Review limited to changed orders • Inline interaction-, allergy- and dose checks at scale • Pre-run stock, cassette and machine-readiness validation • Closed-loop traceability from prescription to dose • National catalogue and registry sync • Automated substitution-rule application • Hardware-agnostic dispense execution • Automatic material consumption and usage capture • Elimination of manual transcription errors • Automated patient-specific pouch sequencing • Multi-machine fleet orchestration • Standardised workflow across all operators • Prescriber and origin attribution on every order • Financial and billing system integration	X	✓

WHY ATLAS



SAFETY BY DESIGN

Clinical warnings surface automatically in Atlas. Interaction alerts, allergy flags and dose validation are applied during the dispensing pipeline rather than depending on a manual check at the point of transcription.



NO HARDWARE LOCK-IN

Machine vendors typically bundle the clinical workflow with their hardware. Atlas separates them — the integration module absorbs the vendor protocol, leaving the clinical layer stable regardless of which machines are in use.



PROVEN IN PRODUCTION

The same Atlas codebase runs a national multidose pharmacy and a hospital pharmacy enterprise, not as two separate products. One clinical-review engine, validated at production scale in both settings.

CONTACT US

Talk to us about your dispensing workflow

We walk through your current dispensing workflow and show you where Atlas changes it



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