

PRODUCT WORKFLOW STUDY

From a serial plate photo to a verified machine record in one guided flow

A machine-onboarding workflow showing how Corexa can read a serial plate, prefill identity data, preserve the original image and let the user finish only the details that still need human confirmation.

Evidence level stated clearly throughout

Plate-first

Starting action

Brand + model

Prefilled identity

Serial captured

Asset continuity

Human confirm

Final authority



THE CHALLENGE

Why the existing process breaks down

The workflow becomes unreliable when evidence, ownership and next actions are separated across documents, messages, spreadsheets or individual memory.

01

Manual intake repeats known data

Brand, model and serial are often already printed on the machine, yet users are asked to retype them.

02

Naming becomes inconsistent

Free-text equipment names drift across sites and service providers.

03

The plate image gets lost

A useful source image can sit in a phone gallery rather than on the permanent machine record.

04

Users abandon long forms

A simple asset add becomes a multi-step administration task.

05

Uncertain fields look equally certain

Automatically inferred details need a clear confirmation boundary.

06

Duplicate records become possible

Small spelling differences can create a second machine instead of enriching the existing asset.

The central risk

A machine can enter the platform with incomplete identity even when its most authoritative first source - the serial plate - was available.

THE OPERATING MODEL

A connected workflow around the equipment record

Corexa keeps identity, evidence, operational state and the next decision connected so one workflow can carry context into the next.



COREXA CAPABILITY	OPERATIONAL CHANGE	WHY IT MATTERS
Plate-first intake	Camera or upload starts the asset workflow.	Less re-entry before the machine exists.
Structured extraction	Brand, model and serial populate separately.	Identity can feed canonical model matching instead of one free-text name.
Confidence boundary	Corexa can stop short of filling uncertain fields.	Automation assists the user without silently inventing asset facts.
Fast completion	A sufficiently complete plate can finish the workflow immediately.	The shortest valid path remains available.
Evidence retention	The plate image remains connected to the machine.	Future technicians can inspect the source of the recorded serial/model.
Canonical follow-through	Confirmed model identity can connect to service intelligence and parts.	Onboarding becomes the first step in the lifecycle, not a detached admin form.

CREDIBILITY STANDARD

What is supported - and what is not yet claimed

The evidence boundary is explicit: product capability, live repository/production evidence and future outcome hypotheses are not treated as the same thing.

✓ Repository-reviewed flow

Add Machine now includes plate-first capture and recognised-field confirmation.

✓ Connected record

The result feeds the same machine record used by service, history and SiteGrid.

✓ Human authority retained

The user can continue to edit or add information before completion.

✓ Pilot measurement required

Time saved and recognition accuracy should be measured on real plate images.

Not yet claimed: This study does not claim universal OCR accuracy, zero duplicate assets or a measured reduction in onboarding time. Plate condition, glare, damaged labels and unusual formats still require human review.

Measurement plan for the publishable version

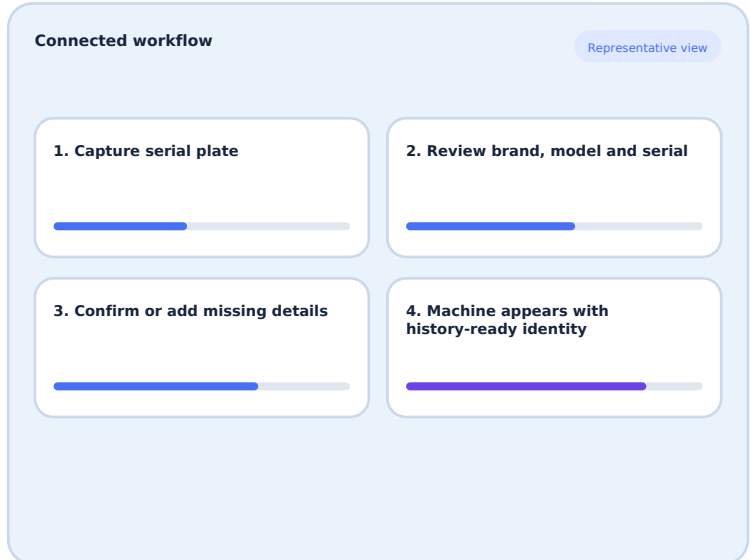
MEASURE	EVIDENCE SOURCE	CREDIBLE REPORTING
Plate recognition completeness	Uploaded plate images + confirmed fields	Percentage of plates yielding brand, model and serial without correction.
Correction rate	Field edits after extraction	Share of recognised values changed before save.
Time to machine created	Add-machine timestamps	Median time from first plate capture to permanent asset record.
Duplicate prevention	Machine identity review queue	Potential duplicate records created within a defined window.
Canonical match rate	Canonical model linkage	Percentage of new machines linked to an exact model.
Evidence retention	Machine media linkage	Percentage of plate-first assets retaining the source image.

"The first machine record should start from the best available evidence, then ask the user only for what the evidence cannot supply."

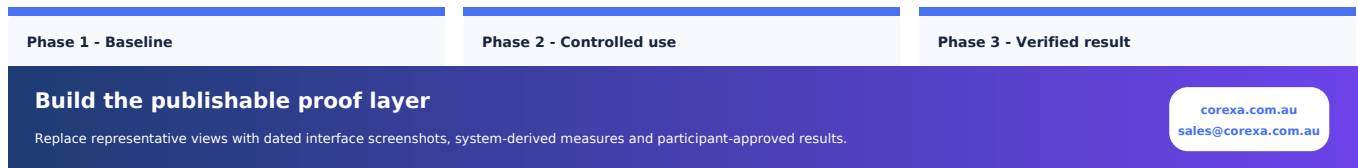
MAKE THE STORY TANGIBLE

Show the plate becoming a complete, connected machine record

Use the live Corexa interface for publication, keep representative/demo content labelled, and show the exact state transition the workflow is meant to prove.



Recommended evidence-building sequence



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Publication note: capability descriptions are repository/production evidence. Confirm deployed workflow, permissions and data quality before presenting capability as a measured customer outcome.