Product Overview

What Production Package Doctor inspects in V1 and where professional judgment remains necessary.

What V1 discovers

The application reads the selected production package and identifies the components it can inspect in V1:

- DAT load files
- OPT load files
- Image files referenced by the OPT
- Text files associated with DAT records
- Native files referenced by the DAT
- Other inventory present in the package folder

How DAT and OPT files are evaluated

- **Deterministic DAT/OPT pairing.** The tool pairs DAT and OPT files by their shared base name so the same package is evaluated the same way every time.
- **DAT header/profile mapping.** Standard field aliases are mapped to semantic names such as control number and native path. A known profile can be selected, and missing required fields are reported.
- **OPT structure.** The OPT reader validates break markers, page ranges, and row structure using the approved OPT format rules.
- **DAT/OPT cross-checks.** Selected relationships between the DAT and its paired OPT are checked and reported.
- **Validation rules.** Implemented rules are evaluated and listed in the report; rules not evaluated are also listed so the operator knows the boundary.

Strict Mode and Best-Effort Mode

Mode	Behavior
Strict Mode	Stops or requests review when required structure cannot be determined reliably.
Best-Effort Mode	Continues independent checks through recoverable uncertainty and preserves review evidence.

Both modes produce findings that support professional review. Neither mode replaces the operator's judgment about whether the package is fit for its intended purpose.

What the reports contain

Each completed audit can produce two reports in an operator-selected report folder:

- **HTML report.** A human-readable summary of package label, run status, production components, discovery summary, DAT/OPT pairing, per-pair stages reached, findings, and rules not evaluated.
- **JSON report.** A machine-readable version of the same information for integration with downstream tooling.

Where professional judgment remains necessary

Automated findings support professional review; they do not provide legal advice, certify compliance, repair source data, or guarantee downstream import. The operator decides how to respond to each finding based on the matter, the downstream platform, and the agreed production protocol.

Source integrity evidence

The report records the source-integrity checks performed during the audit. The release manifest and SHA-256 values allow recipients to verify that the published Demo files match the owner-reviewed release. This evidence supports professional review; it does not prove chain-of-custody or legal authenticity on its own.