



XR Vision™

AI-Powered X-Ray Verification for
High-Value, High-Risk Products

01 // The Problem

Global supply chains have a blind spot inside the seal. Serialization and surface markers verify only verify packaging, not what's inside.

This blind spot fuels hundreds of billions in annual losses globally—from counterfeit infiltration and diversion to packaging-level verification failures across pharmaceuticals, medtech, and consumer goods.

Regulators are closing in: DSCSA (US 2024) and EU FMD / UDI mandates now require content-level traceability.

The market is demanding a solution, and **XR Vision™ delivers it first.**

02 // The Solution

XR Vision™ combines X-ray with radiologist-trained AI to verify sealed products instantly and non-destructively. It authenticates completeness, configuration, and integrity at line speed, logging every scan to a tamper-proof compliance record.

Key Differentiators:

- **Radiologist-Trained AI:** Interprets internal geometry and material signatures
- **No Rip/Replace:** Works with existing scanners and serialization systems
- **Data Moat:** Each scan compounds proprietary labeled image libraries
- **Marker IP:** Radiographic inks or additional security layer



03 // Market & Timing

- **TAM:**

\$345B–\$415B in global authentication, verification, and product-security spend across pharmaceuticals, medical devices, CPG, food & beverage, cosmetics/personal care, and luxury goods.

- **SAM (Near-Term Focus):**

\$25B–\$35B in high-value, sealed products where content-level verification is required or strongly incentivized (DSCSA/FMD-regulated pharma, medtech, and high-risk CPG categories).

- **SOM (XR Vision Opportunity):**

\$360M–\$680M in reachable ARR at <1% penetration across priority verticals over the next 4–5 years.

- **Current Expansion:**

Additional upside across broader CPG, food & beverage, cosmetics/personal care, and luxury goods segments, where radiographic AI verification can layer onto existing quality, safety, and anti-counterfeit programs.

04 // Revenue Model

SaaS & Data Licensing: Recurring, compounding ARR as every scan grows dataset value.

- **Annual SaaS licenses** per facility (platform + AI)
- **Per-scan data licensing** to regulators, insurers, and risk-analytics networks

05 // Investor ROI

- < 12 months to paid pilots → proof of revenue
- Sticky SaaS + data resale → scalable ARR
- \$1 B+ exit value potential

XR Vision™ is the first platform turning sealed-package compliance into recurring data revenue.

06 // Contact

Travis Meyer, MD | Tmeyer@mineralcityai.com
Chandana Kurra, MD | Ckurra@mineralcityai.com
www.mineralcityai.com

