

APOC

Advanced Product Operations Computer

AI-Powered Garment Analysis for Modern Resale

Tags Technologies LLC

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The Problem

■ ■ Time-Consuming Processing

Manual garment identification takes 3-5 minutes per item

■ Inconsistent Pricing

Staff expertise varies, leading to missed value or overpricing

■ High Labor Costs

Skilled sorters are expensive and hard to retain

■ Brand Misidentification

Valuable designer pieces often go unrecognized

■ No Data Insights

Stores lack analytics on inventory trends and performance

The Solution: APOC

APOC (Advanced Product Operations Computer) is an AI-powered garment analysis system that automates identification, pricing, and cataloging.

■ Smart Tag Reading

OCR extracts brand, size, materials, and care instructions

■ Visual Recognition

AI identifies garment type, style, color, and condition

■ Dynamic Pricing

Real-time market data from eBay ensures optimal pricing

■ Simple Interface

Tablet-based workflow requires minimal training

■ 85%+ Accuracy

Continuous learning improves with every correction

How It Works



CAPTURE

Dual cameras photograph the tag and full garment



ANALYZE

AI extracts text from tags and classifies the garment



PRICE

System queries market data for optimal pricing



OUTPUT

Complete listing ready for POS integration

Technology Stack

- Dual Camera System (ArduCam + Intel RealSense)
- AI Models: Google Gemini 2.0 Flash + OpenAI Vision
- Automated Elgato Lighting Control
- Real-time eBay Market Integration
- Cloud-based Learning System

Market Opportunity

\$53B

US Resale Market Size

25,000+

Consignment Stores

16%

Annual Growth Rate

\$188B

Projected 2028 Value

Target Segments:

Consignment Stores • Thrift Retailers • Vintage Shops • Online Resellers

Business Model

SaaS subscription model with tiered pricing based on volume:

Starter	Professional	Enterprise
\$199/mo	\$499/mo	\$1,299/mo
Up to 500 items 1 station	Up to 2,000 items 3 stations	Unlimited items Unlimited stations

■ **Customer ROI: Up to \$937/month in labor savings**

Traction & Roadmap

Current Status

- ✓ Working prototype with 85%+ accuracy
- ✓ Dual-camera hardware system operational
- ✓ AI pipeline with Gemini + OpenAI integration
- ✓ eBay market pricing integration complete
- ✓ Preparing for pilot programs

Roadmap

- | | |
|----------------|---|
| Q1 2025 | Launch pilot programs with 3-5 consignment stores |
| Q2 2025 | Refine based on feedback, expand to 20 stores |
| Q3 2025 | POS integrations (Shopify, Square, Lightspeed) |
| Q4 2025 | Scale to 100+ stores, launch vintage authentication |

The Team

Robert

Founder & CEO

- 6+ years operating 'Ghosts of New York' vintage clothing business (2017-2023)
- Deep expertise in garment identification, authentication, and pricing
- Hands-on experience with resale market dynamics and pain points
- Technical background in computer vision and ML systems
- Direct understanding of what consignment stores need to succeed

"Built by someone who's lived the problem."

The Ask

We're seeking strategic partners and early investors to:

■ Seed Funding

For hardware deployment and team expansion

■ Pilot Partners

Consignment stores ready to modernize operations

■ Strategic Advisors

Retail tech and resale industry expertise

Use of Funds:

Hardware Manufacturing • Engineering Hires • Sales & Marketing • Pilot Operations

Thank You

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Transforming resale, one garment at a time.