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

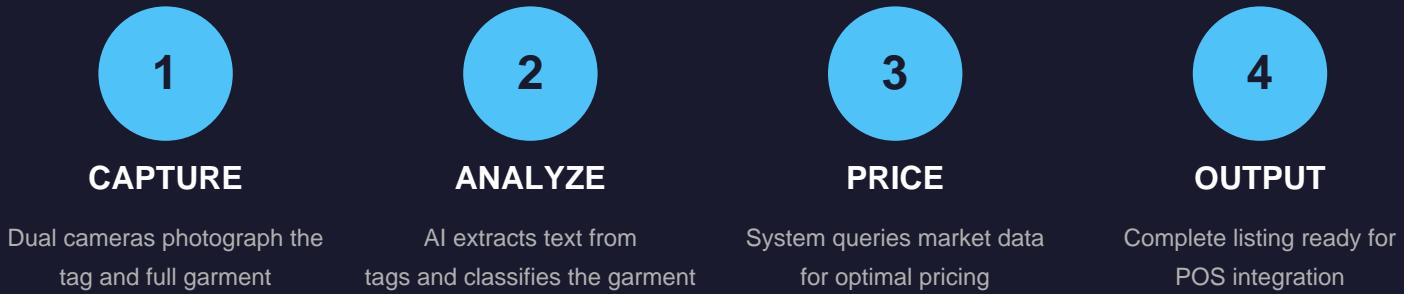Real-time market data from eBay ensures optimal pricing

■ Simple Interface

Tablet-based workflow requires minimal training

■ 85%+ Accuracy

In controlled pilot conditions, improving with use

How It Works

1

CAPTURE

Dual cameras photograph the
tag and full garment

2

ANALYZE

AI extracts text from
tags and classifies the garment

3

PRICE

System queries market data
for optimal pricing

4

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	Up to 2,000 items	Unlimited items
1 station	3 stations	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 — 6 years, 10,000+ garments."

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.