

# ‘Fingerprinting’ physical items

## Full traceability, provenance, and anticounterfeiting with just a photo

### *Contact Information*

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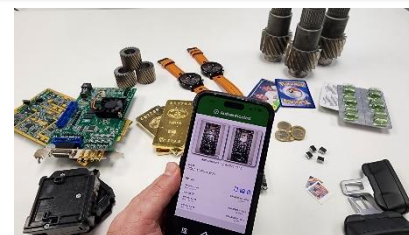
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A zero-trust model for your physical parts, products, and supply chain. Every item identified, verified, and traced, ensuring only verified items enter your value chains and operations, minimizing risks.

### *Description of Technology*

- FeaturePrint machine-vision that provides a unique, persistent, and inherent identifier for items, like fingerprints for people.
- Serializes all items, enabling full traceability and provenance, eliminates counterfeits and gray market items, and reduces human error.
- With just a picture, ‘sees’ and codifies surface flaws and variations created by manufacturing processes, yet invisible to human eye.
- Addresses the \$3T global problem of traceability and fraudulent goods, which can lead to poor equipment performance, mission failures, and potential loss of life for service members.
- 99.9% accuracy with ZERO false positives.
- Developed in-house in Bellevue, WA. >55 issued patents.
- Deployed with commercial customers in aerospace, automotive, precious metals, luxury brands, and collectibles.

### *Innovation Synopsis*

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- No need for visible or invisible added proxies like barcodes, QR codes, etchings, stickers, tags, or markers which can be damaged, removed, transferred, or faked.
- Only needs pictures from standard off-the-shelf industrial cameras or mobile phones.

### *Specific Benefits to the Government*

- Streamline inventory management and traceability, eliminate counterfeits and fraudulent items, and reduce human error from misidentification.
- Saves time and mistakes in tedious inventorying on-base, in-field, and in theatre.
- Ensures only correct and authorized parts are installed on computers, ships, aircraft, and systems, avoiding costly mishaps.
- Supports the Assistant Secretary of Defense for Sustainment 2023 Strategic Plan: LOE 1.2.5: Improve item-level serialization and modernize the DoD Item Unique Identification Program; and LOE 1.3.4: Improve the quality of logistics information through Artificial Intelligence and Machine Learning
- Reduce (if not eliminate) exposure to fraud such as in the recent case of counterfeit Cisco devices at DoD:  
<https://bit.ly/3Uv2kQL>