

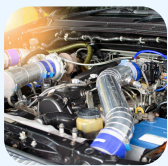
# Inventory AI



Inventory in the automotive industry is intricate—defined by massive SKU counts, precise part compatibility, regional demand variability, and long-tail items that can't afford to go out of stock. Overstock ties up capital; stockouts lead to lost sales and customer frustration.

Hypersonix Inventory AI brings real-time, intelligent inventory optimization to automotive retailers, distributors, and DTC brands. It ensures you maintain availability on mission-critical parts and accessories—while reducing excess and streamlining fulfillment.

## Key Features



### Fitment-Aware SKU Optimization

Analyzes part compatibility (make, model, year) alongside sales velocity to guide stocking decisions for both core and long-tail SKUs.

*Best Fit: Managing inventory for brake pads, filters, or engine components across thousands of vehicle fitments.*



### Multi-Warehouse Replenishment & Allocation

Balances stock across fulfillment centers, retail stores, and 3PLs based on regional demand and order history.

*Best Fit: Reallocating high-demand items like wiper blades or lighting kits based on localized seasonality.*



### Slow-Mover & Overstock Detection

Identifies aging inventory and slow-turning SKUs early—enabling proactive markdowns, bundling, or redistribution.

*Best Fit: Preventing dead stock of low-volume accessories or discontinued SKUs across warehouse networks.*



### Omnichannel Inventory Visibility & Sync

Unifies inventory tracking across B2B, DTC, marketplaces, and POS systems to support accurate fulfillment and customer experience.

*Best Fit: Keeping real-time availability synced for both wholesale clients and retail eCommerce platforms.*



### Supplier & Lead-Time-Sensitive Replenishment

Optimizes reorder timing and quantities based on vendor reliability, MOQs, and lead-time variability.

*Best Fit: Planning restocks for imported components like performance upgrades or drivetrain parts with long lead times.*

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