

# Inventory AI



**Hypersonix Inventory AI** is purpose-built for high-velocity, trend-sensitive health and beauty retailers. With fast-changing **consumer preferences** and **SKU-heavy assortments**, cosmetics retailers need more than just basic replenishment logic. They need **predictive & agentic intelligence**. Inventory AI goes beyond traditional inventory tools by anticipating demand shifts, identifying slow movers early, making generative recommendations and dynamically aligning stock levels to customer buying behavior, promotions, and product lifecycles.

## The result?

Healthier shelves, fewer markdowns, and smarter buying decisions that align with both revenue and brand goals.

## Key Features



### SKU Level Demand Forecasting

Accurately predicts demand for individual cosmetic SKUs, ensuring top-selling products stay in stock while minimizing overstock.

**Best for: High-velocity items like lipsticks, mascaras, and foundations.**



### Shelf Aware Optimization

Optimizes inventory by factoring in expiration dates to reduce waste on time-sensitive items.

**Best for: Skincare, serums, and liquid-based cosmetics.**



### Back Order Risk Detection

Flags potential supply delays early to avoid stockouts on critical items.

**Best for: Imported or limited-edition beauty collections.**



### Channel Specific Allocation

Dynamically distributes inventory across online and offline channels based on demand.

**Best for: Multi-channel brands selling both online & brick-and-mortar stores.**



### Variant Level Inventory Clustering

Pools similar variants (like shades or finishes) to maintain availability while minimizing excess.

**Best for: Shade-heavy categories like lip color, foundation, and nail polish.**

**Trusted by leading global brands including:**

