invent
ANALYTICS

OMNI-PLAN

Fulfill your retail omni-channel promise
with integrated planning and execution

Omni-Plan
Inventory & Price Optimization

Omni-Demand Forecasting

Omni-Store & DC Replenishment

Omni-Allocation Optimization

Omni-Transfer Optimization

Markdown Optimization

Assortment Optimization

Dynamic Price Optimization

Omni-Demand Forecasting

We use AI and use fast-learning algorithms that respond quickly to changing consumer demand patterns.

With Omni-Demand Forecasting, you can forecast offline, online and omni demand separately at zip code-product-day level. You can also forecast the fulfillment preferences of your customers at zip code-product-day level.

Our Omni-Demand Forecasting delivers highly accurate forecasts at all levels of granularity, which makes for better planning. You can also see the omni-channel impact of your promotions.

Omni-Allocation Optimization

We focus on meeting your omni-customers' fulfillment expectations. We make products readily available at stores for pick up or shipping to customers for the fastest delivery and at the same time avoid overflow inventory to stores. We allocate inventory of the short-life products to stores, mini-DC's and hub-stores in anticipation of omni-channel demand that could be fulfilled from every possible source.

By sending the right amount of inventory to your stores, you reduce left-over risks at stores and early stockout risks at distribution centers. As a result of dynamic and smart positioning of inventory, you get higher sell-through and reduced overall fulfillment costs.

Omni-Store and DC Replenishment

We help you replenish stores, DCs, hub-stores and darkstores with the right amount of inventory at the right time in anticipation of omni-channel demand that could be fulfilled from every possible source. Using Omni-Store and DC Replenishment, you can maximize your profitability by lowering inventory levels, reducing lost sales, and positioning inventory smartly to reduce overall fulfillment costs.

Our Dark-Store Inventory Optimization enables you to increase availability of products in each delivery zone and respond faster to online orders.

Omni-Transfer Optimization

Do you want to increase your omni-channel inventory productivity? Omni-Transfer Optimization lets you rebalance inventory across locations for maximum efficiency.

By moving products from underperforming locations to other locations where they sell faster, you minimize lost sales and markdown loss.
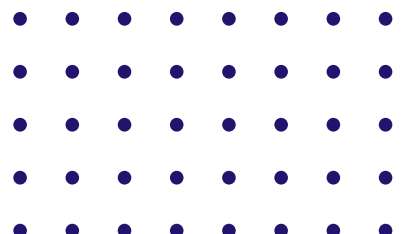
Markdown Optimization

Markdown Optimization allows you to accurately predict seasonal demand for new products with limited history by analyzing product attributes and markdown products at the store-size level to maximize revenues.

This helps you lower your markdown loss, achieve higher sell through, and gain visibility into end-of-season sales and inventory levels.

Assortment Optimization

By leveraging consumer behavior data, our Assortment Optimization solution enables you to locally match each store's product selection to customer preferences and achieve greater long-term profitability.

This includes optimizing local assortments and shelf space allocation to match the product attributes most demanded by that store's customers. As a result, each store can offer the products that attract and retain customers with higher customer lifetime value.

Dynamic and Competitive Price Optimization

We help you boost profits by optimizing the pricing of each product over its lifetime with the goal of attracting and retaining customers with larger baskets and higher customer lifetime value.

Have better matched prices for each region/store customer characteristics and compete smartly with automatically updated prices in response to competition.

How Do We Make Your Planning Better?

It starts with adaptive, smart analytics and explainable-AI. We blend your omni-channel processes seamlessly into our inventory and price optimization solutions. This enables you to excel in every interaction with your customers.

- ✓ AI-powered probabilistic demand forecasting
- ✓ Margin-driven, profit-optimizing science
- ✓ Tailor-fit algorithms
- ✓ Highly accurate demand forecasts
- ✓ Profit-optimized inventory, price and promotion decisions

A/B Test Proven Client Results

1-4% ↑

Increase
your profits

2-6% ↑

Increase
your sales

10-30% ↓

Lower
your inventory

20-30% ↓

Reduce
fulfillment costs

About Invent Analytics

Invent Analytics' Omni-AI **delivers significant financial improvement** by empowering retailers to **profit-optimize** their supply chain. It orchestrates a retailer's entire supply chain **by unifying network planning, inventory and price optimization, and fulfillment in one framework.**

Invent Analytics puts your **omni-customers at the heart of its tailor-fit solutions.** It **proves the financial benefits** with pre-go-live simulations and rigorous **A/B testing.** Invent Analytics' over 30 clients have experienced a **2-6% increase in profitability.**

Invent Analytics' Omni-AI SaaS solutions are:

- Omni-Network Design
- Omni-Plan Suite
  - Omni-Demand Forecasting
  - Omni-Store and DC Replenishment Optimization
  - Omni-Allocation Optimization
  - Omni-Transfer Optimization
  - Markdown Optimization
  - Assortment Optimization
  - Dynamic and Competitive Price Optimization
- Omni-Fulfilment

Invent Analytics has been selected as the **Top Supply Chain Startup by Retail Industry Leaders Association (RILA)** and **won the 2020 Startup Innovation Awards for Supply Chain.**

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