



Slotting Optimization

An optimally slotted warehouse supports efficient put-away, picking, and pallet building; reduces product damage; and increases customer satisfaction. Alpine Supply Chain Slotting Optimization Services are here to support you when your slotting questions have become too complex for paper-based calculations, spreadsheets, and outdated slotting methodologies.

Alpine's Slotting Optimization Services allow you to take the guesswork out of the process. As a certified partner of OptiSlot DC™, slotting optimization software offered by an Optricity, our services enable you to compare operational goal achievement and financial return for each scenario. With these results in hand, you can select the optimal slot strategy for your operations.

Unique Items, Order profiles and facilities

Your products, your order profiles and your facility layout are unique. The slotting decisions you choose to fulfill customer orders should be just as unique.

Your SKU dimensions coupled with unit movement and hits (lines) serve as the driver to the Slotting Optimization choices that best suit your needs.

Alpine's approach to Slotting Optimization enables you to generate multiple slotting scenarios and test best productivity vs. best replenishment methods while keeping in mind ergonomic factors you may want to implement.

With Alpine, you'll generate iterative optimization results based on your SKUs, your layout, and your actual order files. The subtleties of our methods and our experience, helps guide a final solution that's the right fit for your operations.

Optimized slotting playbook

- ▶ Storage Types
- ▶ Unique SKU Data
- ▶ Inventory Holding Alternatives
- ▶ Existing Slots
- ▶ Unique Results

Slotting Optimization Drive Productivity

Proper slotting balances, or optimizes, the assignment of a pick location for each SKU based on unique product attributes, the physical characteristics of the distribution center, and your organization's operational goals. All these factors must be balanced to achieve an optimal slotting solution.

OptiSlot addresses the complexities of slotting by utilizing advanced mathematical algorithms which consider a product's dimensions like weight and velocity, physical characteristics of your environment including slot configurations, pick path and material handling equipment, and operational goals like pallet building, seasonality requirements and retail groupings.

As a result of implementing advanced slotting technology, your operations benefit from reduced labor expenses, improved order fulfillment cycle time, a reduction in partial order shipments, and improved space utilization.

Our Approach:

Alpine offers a streamlined project management approach to ensuring the data, the alternatives, and the results are handled efficiently, timely and effectively.

Result:

Results are always the product of customer input and choices. Not only do you provide the existing storage and material handling equipment input, but also the 'what-if' scenarios. Alpine is here to support you if you'd like to try a picking or replenishment method that you've read about or seen in another industry. The alternatives we generate together ultimately lead to slotting solutions custom built for your business. Your input guides the ideal slotting optimization for your business and results in a successful output – an actionable Slot Book and Moves List that spells out 'from to' product moves in 'move sets' that reduce double handling.

