



## Inventory families and groupings

### Objective

To provide the tools to arrange 'collections' of SKUs (stock keeping units) into families of products and groupings of like items. These collections provide a high-level view of items at which sales forecasts can be produced and the quality of the forecast can be measured. A significant feature is the ability to group warehouses for purposes of forecasting at a regional or territory level for Logistical or Supply Chain purposes. This also enables forecasts to be generated at a brand level to facilitate a clearer Marketing picture.

### The Value of Inventory Families and Groupings

- Establish families or groupings of SKUs using SYSPRO's unique 'Collections' capability with hierarchical structures for Brand or Product Type views
- Consolidate SKUs with different pack sizes using an alternate common unit of measure
- Forecast at regional or territory level by consolidating warehouses for logistical or Supply Chain purposes
- Aggregate sales history of the collection members to enable a forecast at collection level and then disaggregate collection forecast back to SKU level
- Facility to edit history at collection level
- Variety of forecasting algorithms including a competition method which automatically selects the best algorithm for the collection
- Forecast using sales value, cost value, quantity or gross profit as the basis
- Set default algorithms at company or collection level
- Detect seasonality and apply forecasts to seasonal data with trending if present
- Manually or automatically remove outliers and anomalies
- Use SKU history of three or more years
- Utilize monthly or weekly time buckets
- Determine forecast horizon up to 24 months
- Improve visibility with graphical output
- Edit suggested forecast to reflect market intelligence

- Automatically update collection history in real time
- Compare manual forecast with computer recommended forecast
- Control and validate the forecast before activating

### Integration

- Integrates with the following modules:
  - Inventory
  - Inventory Forecasting
  - Sales Orders
  - Requirements Planning

### Audit trails and reporting

- Comprehensive audit trail of collection changes (add, change and delete audit)
- Comparative reports and on-line queries
- Pareto Analysis by sales value, cost value, quantity, profit value or profit %

### Matching Inventory Families and Groupings to your business

- Very powerful Pareto (ABC) Analysis provides ranking of the items within each collection
- Generate and review forecasts at various levels in the family hierarchy (grandfather, father, child)
- Multi-level analysis of family performance over time
- Analyze sales value, gross profit, cost of sales, quantity sold or hits (invoice line occurrences) using very functional Pareto capability

