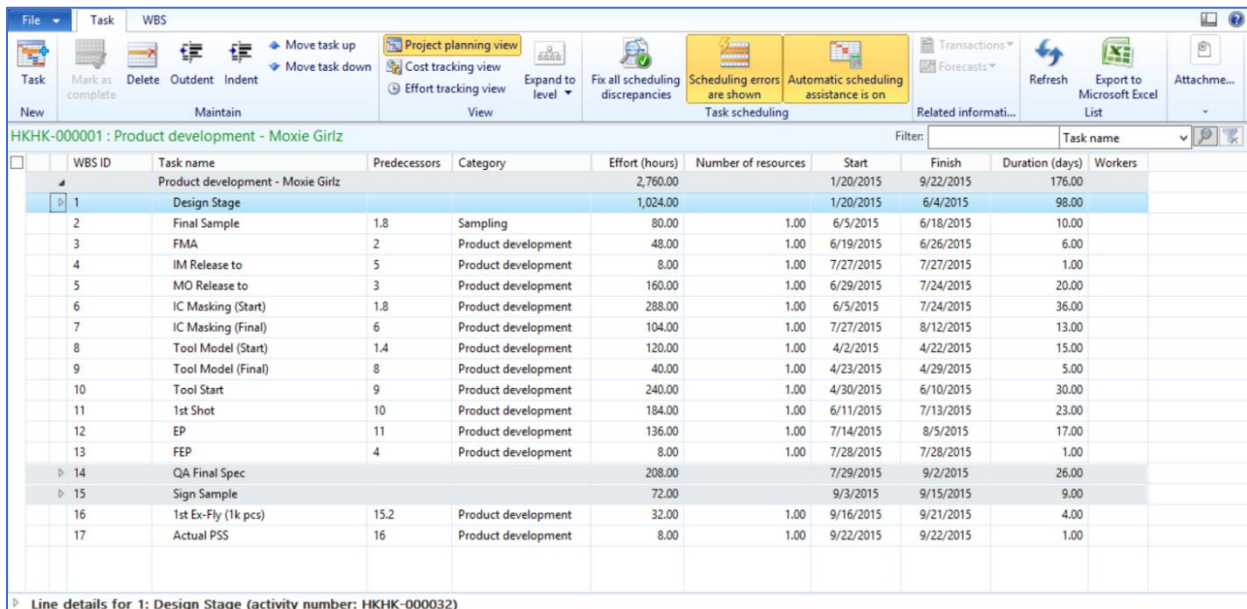


Product Management with Microsoft Dynamics 365

- 1. Product Lifecycle Management with Microsoft Dynamics 365 Supply Chain Management ERP –** Microsoft Dynamics 365 for Supply Chain Management provides a great foundation for customers with its Product Information Management (PIM) capabilities to get light Product Lifecycle Management (PLM) capabilities for a business. While some customers will need specialized PLM software many light manufacturers and assemblers may find the integrated functionality built into Microsoft Dynamics 365 for Supply Chain Management ERP sufficient to manage their business.

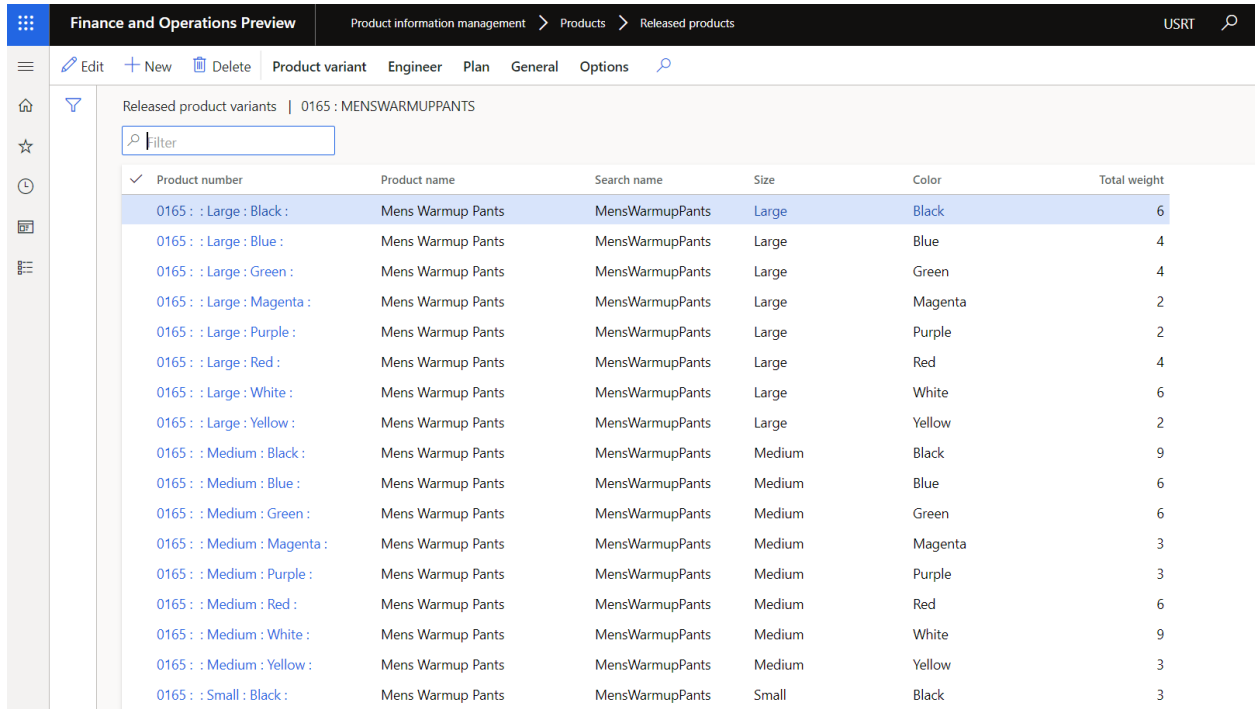
Product Development and Planning: Microsoft Dynamics 365 provides the ability to build a complete product development plan from ideation, prototyping, modeling, tooling, product manufacturing to product release. Product development and planning can be carried out using Project management features in Microsoft Dynamics 365 for Finance which is tightly integrated with Supply Chain Management.



WBS ID	Task name	Predecessors	Category	Effort (hours)	Number of resources	Start	Finish	Duration (days)	Workers
	Product development - Moxie Girlz			2,760.00		1/20/2015	9/22/2015	176.00	
1	Design Stage			1,024.00		1/20/2015	6/4/2015	98.00	
2	Final Sample	1.8	Sampling	80.00	1.00	6/5/2015	6/18/2015	10.00	
3	FIMA	2	Product development	48.00	1.00	6/19/2015	6/26/2015	6.00	
4	IM Release to	5	Product development	8.00	1.00	7/27/2015	7/27/2015	1.00	
5	MO Release to	3	Product development	160.00	1.00	6/29/2015	7/24/2015	20.00	
6	IC Masking (Start)	1.8	Product development	288.00	1.00	6/5/2015	7/24/2015	36.00	
7	IC Masking (Final)	6	Product development	104.00	1.00	7/27/2015	8/12/2015	13.00	
8	Tool Model (Start)	1.4	Product development	120.00	1.00	4/2/2015	4/22/2015	15.00	
9	Tool Model (Final)	8	Product development	40.00	1.00	4/23/2015	4/29/2015	5.00	
10	Tool Start	9	Product development	240.00	1.00	4/30/2015	6/10/2015	30.00	
11	1st Shot	10	Product development	184.00	1.00	6/11/2015	7/13/2015	23.00	
12	EP	11	Product development	136.00	1.00	7/14/2015	8/5/2015	17.00	
13	FEP	4	Product development	8.00	1.00	7/28/2015	7/28/2015	1.00	
14	QA Final Spec			208.00		7/29/2015	9/2/2015	26.00	
15	Sign Sample			72.00		9/3/2015	9/15/2015	9.00	
16	1st Ex-Fly (1k pcs)	15.2	Product development	32.00	1.00	9/16/2015	9/21/2015	4.00	
17	Actual PSS	16	Product development	8.00	1.00	9/22/2015	9/22/2015	1.00	

Product development planning can be done within Microsoft Dynamics 365 using its Project Management features. Planning can be at a summary level or detailed level.

2. Product Mastering: Microsoft Dynamics 365 for Supply Chain Management supports a global product master that is common across companies. The product can have multiple product attributes and when released to a company takes on an item number. Items can have multiple Item variants through the use of product dimensions such as Configuration, Size, Style and Color. The Item variants could be considered the equivalent of a Stock Keeping Unit (SKU).

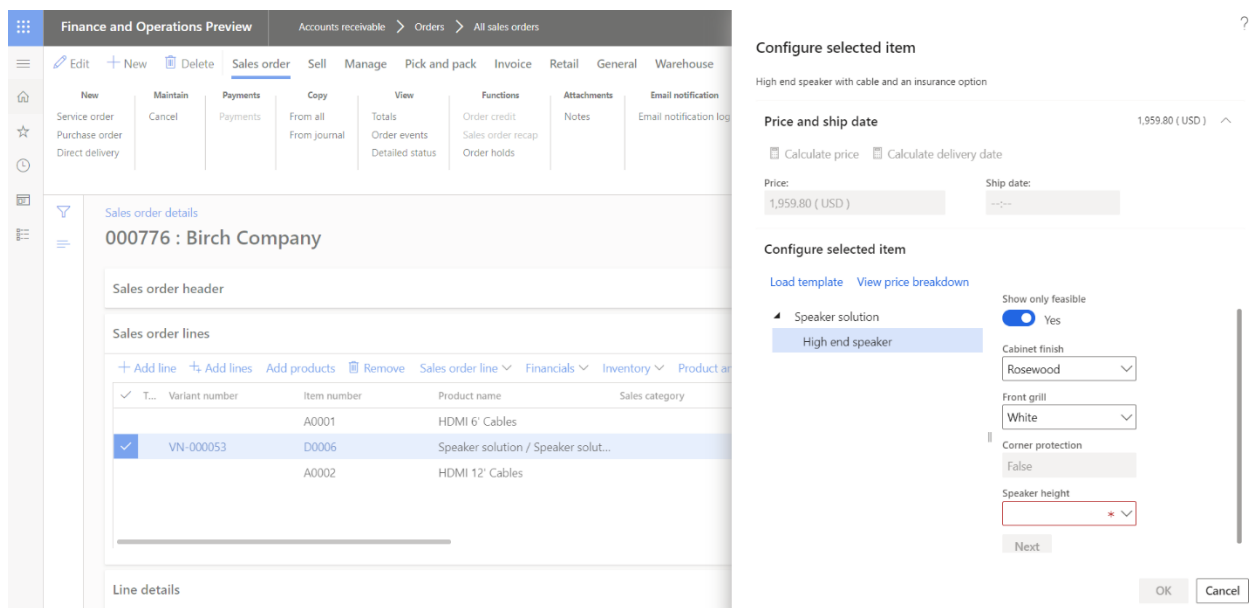


The screenshot shows the 'Released product variants' table in Microsoft Dynamics 365. The table lists various product variants for '0165 : MENS WARMUPPANTS', including product number, product name, search name, size, color, and total weight.

Product number	Product name	Search name	Size	Color	Total weight
0165 : : Large : Black :	Mens Warmup Pants	MensWarmupPants	Large	Black	6
0165 : : Large : Blue :	Mens Warmup Pants	MensWarmupPants	Large	Blue	4
0165 : : Large : Green :	Mens Warmup Pants	MensWarmupPants	Large	Green	4
0165 : : Large : Magenta :	Mens Warmup Pants	MensWarmupPants	Large	Magenta	2
0165 : : Large : Purple :	Mens Warmup Pants	MensWarmupPants	Large	Purple	2
0165 : : Large : Red :	Mens Warmup Pants	MensWarmupPants	Large	Red	4
0165 : : Large : White :	Mens Warmup Pants	MensWarmupPants	Large	White	6
0165 : : Large : Yellow :	Mens Warmup Pants	MensWarmupPants	Large	Yellow	2
0165 : : Medium : Black :	Mens Warmup Pants	MensWarmupPants	Medium	Black	9
0165 : : Medium : Blue :	Mens Warmup Pants	MensWarmupPants	Medium	Blue	6
0165 : : Medium : Green :	Mens Warmup Pants	MensWarmupPants	Medium	Green	6
0165 : : Medium : Magenta :	Mens Warmup Pants	MensWarmupPants	Medium	Magenta	3
0165 : : Medium : Purple :	Mens Warmup Pants	MensWarmupPants	Medium	Purple	3
0165 : : Medium : Red :	Mens Warmup Pants	MensWarmupPants	Medium	Red	6
0165 : : Medium : White :	Mens Warmup Pants	MensWarmupPants	Medium	White	9
0165 : : Medium : Yellow :	Mens Warmup Pants	MensWarmupPants	Medium	Yellow	3
0165 : : Small : Black :	Mens Warmup Pants	MensWarmupPants	Small	Black	3

Product Dimensions within Microsoft Dynamics 365 such as Size, Style and Color help make the product master manageable

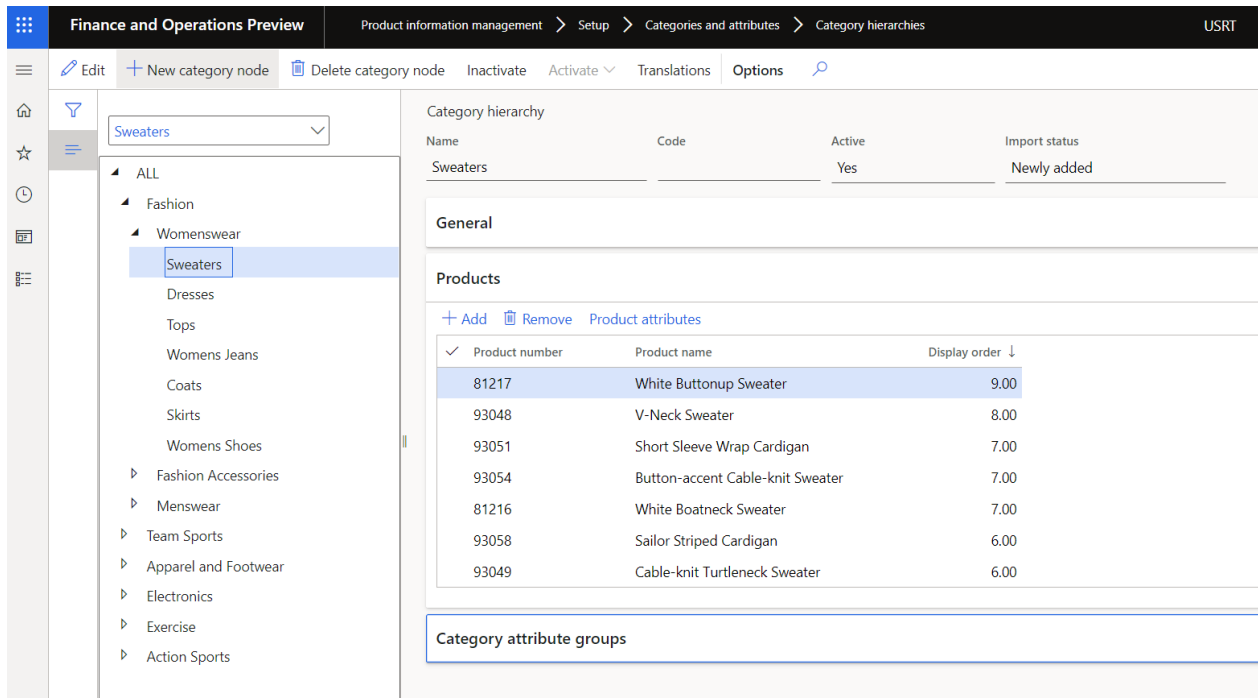
3. Product Configurator – Microsoft Dynamics 365 Product configurator tool allows the ability to configure/customize the product on the order with ease by selecting required elements. Product configurator helps businesses where there is a requirement of configure-to-order scenarios and need to configure products to meet special requirements. Product configuration feature includes a user interface (UI) that provides a visual overview of the product configuration model structure, and also a declarative constraint syntax that doesn't have to be compiled. Therefore, companies that want to support a configuration practice can get started more easily. Users when configuring a product can also determine the sales price as the elements, components and combinations are changed during the configuration. Using the function of price breakdown, users can view the price per component, download the price calculation in excel and change or configure further as required.



The screenshot displays the Microsoft Dynamics 365 interface for a sales order. The main window shows 'Sales order details' for '000776 : Birch Company'. Below this, a table lists 'Sales order lines' with columns for Variant number, Item number, Product name, and Sales category. The selected line is 'VN-00053' with item number 'D0006' and product name 'Speaker solution / Speaker solut...'. To the right, a 'Configure selected item' panel is open for 'High end speaker with cable and an insurance option'. This panel shows the 'Price and ship date' as 1,959.80 (USD) and includes options to calculate price and delivery date. Below, the configuration options for the speaker are shown, including 'Speaker solution' (set to 'High end speaker'), 'Cabinet finish' (Rosewood), 'Front grill' (White), 'Corner protection' (False), and 'Speaker height' (set to a value with a red asterisk). 'Next' and 'Cancel' buttons are visible at the bottom of the configuration panel.

Product Configurator within Microsoft Dynamics 365 used for configure-to-order scenarios

4. Merchandising with Microsoft Dynamics 365 Supply Chain Management ERP – Microsoft Dynamics 365 merchandising tools allow businesses to manage products and attributes globally and locally, as well as create unlimited categories for enhanced category and assortment management. Define product hierarchy using the category hierarchy feature in Microsoft Dynamics 365. Define category hierarchies to group and categorize the products that business wants to distribute to its channels. Multiple category hierarchies can be defined, and each product can be assigned to multiple hierarchies. Attributes can be associated with various entities, such as product categories and channels, and default values can be set for them.



The screenshot shows the 'Category hierarchies' configuration page in Microsoft Dynamics 365. The breadcrumb trail is: Product information management > Setup > Categories and attributes > Category hierarchies. The user is logged in as USRT.

The left-hand navigation pane shows a tree structure under 'Sweaters':

- ALL
- Fashion
 - Womenswear
 - Sweaters (selected)
 - Dresses
 - Tops
 - Womens Jeans
 - Coats
 - Skirts
 - Womens Shoes
 - Fashion Accessories
 - Menswear
 - Team Sports
 - Apparel and Footwear
 - Electronics
 - Exercise
 - Action Sports

The main content area displays the 'Category hierarchy' for 'Sweaters' with the following details:

Name	Code	Active	Import status
Sweaters		Yes	Newly added

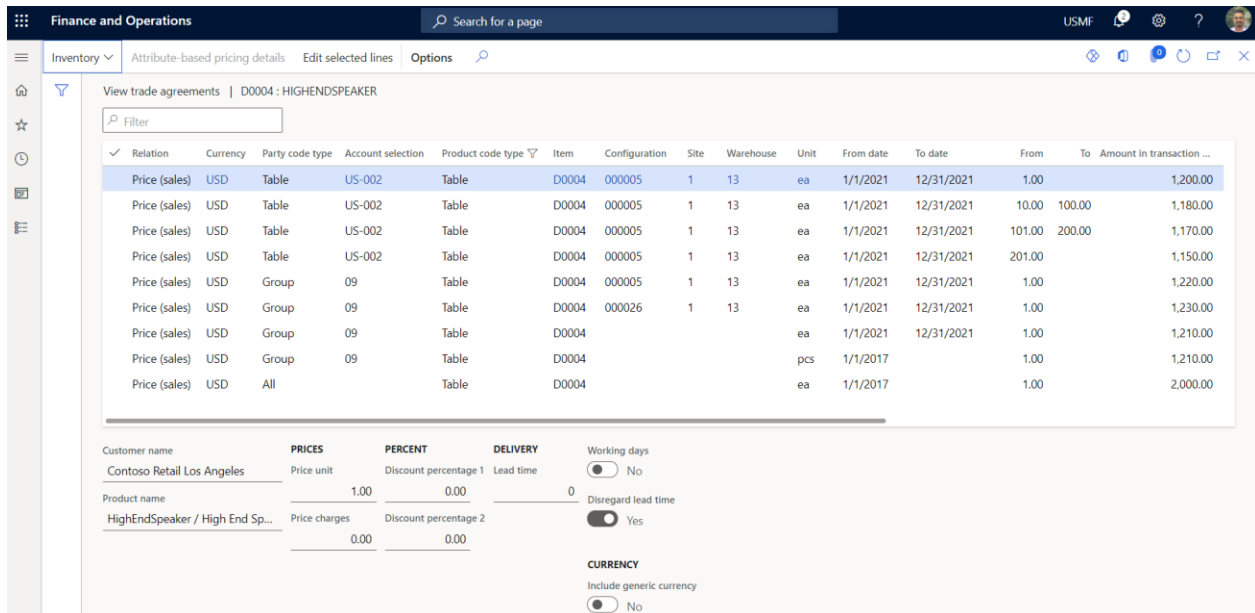
Below this, there are sections for 'General' and 'Products'. The 'Products' section includes a table of items:

Product number	Product name	Display order ↓
81217	White Buttonup Sweater	9.00
93048	V-Neck Sweater	8.00
93051	Short Sleeve Wrap Cardigan	7.00
93054	Button-accent Cable-knit Sweater	7.00
81216	White Boatneck Sweater	7.00
93058	Sailor Striped Cardigan	6.00
93049	Cable-knit Turtleneck Sweater	6.00

At the bottom, there is a section for 'Category attribute groups'.

Category Hierarchy in Microsoft Dynamics 365

- Pricing with Microsoft Dynamics 365 Supply Chain Management ERP** – Microsoft Dynamics 365 provides organizations with the ability to handle more complexity in their pricing. It gives you the power to use a combination of discount-based components, such as dollar or percentage off based on volume breaks or total spend, and upcharge components like freight charges. Contracted Prices with customers can be mastered as Trade agreements allowing for either a set price per product, or discounts for a customer or customer groups. Pricing or Discounts can be setup at an Item master level, item master and customer level, or item and customer group level.



Relation	Currency	Party code type	Account selection	Product code type	Item	Configuration	Site	Warehouse	Unit	From date	To date	From	To	Amount in transaction ...
Price (sales)	USD	Table	US-002	Table	D0004	000005	1	13	ea	1/1/2021	12/31/2021	1.00		1,200.00
Price (sales)	USD	Table	US-002	Table	D0004	000005	1	13	ea	1/1/2021	12/31/2021	10.00	100.00	1,180.00
Price (sales)	USD	Table	US-002	Table	D0004	000005	1	13	ea	1/1/2021	12/31/2021	101.00	200.00	1,170.00
Price (sales)	USD	Table	US-002	Table	D0004	000005	1	13	ea	1/1/2021	12/31/2021	201.00		1,150.00
Price (sales)	USD	Group	09	Table	D0004	000005	1	13	ea	1/1/2021	12/31/2021	1.00		1,220.00
Price (sales)	USD	Group	09	Table	D0004	000026	1	13	ea	1/1/2021	12/31/2021	1.00		1,230.00
Price (sales)	USD	Group	09	Table	D0004				ea	1/1/2021	12/31/2021	1.00		1,210.00
Price (sales)	USD	Group	09	Table	D0004				pcs	1/1/2017		1.00		1,210.00
Price (sales)	USD	All		Table	D0004				ea	1/1/2017		1.00		2,000.00

Customer name: Contoso Retail Los Angeles

Product name: HighEndSpeaker / High End Sp...

PRICES: Price unit: 1.00, Price charges: 0.00

PERCENT: Discount percentage 1: 0.00, Discount percentage 2: 0.00

DELIVERY: Lead time: 0, Disregard lead time: Yes

Working days: No

CURRENCY: Include generic currency: No

Trade agreements/Pricing management in Microsoft Dynamics 365

About Unify Dots

UNIFY Dots helps you connect the Dots by providing solutions that enable digital transformation. Unify Dots specializes in Ecommerce, ERP, CRM, Customer Engagement, Field Service, Project Operations and Point of Sale solutions.



UNIFY Dots has local presence in Asia Pacific, Australia, New Zealand, Europe, North America and operate in a global scale with a local touch. UNIFY Dots is also committed to improving the world and has pledged donating at least 25% of its profit towards the case of helping educate children from low-income families in developing countries.

Contact Unify Dots

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