



Accelerate Business

What Sets Us Apart

DynaTech's Competitive Advantage

Backed by years of expertise and a team of skilled professionals, DynaTech Systems stands at the forefront of the IT services industry. Our extensive portfolio includes cutting-edge solutions in cloud, ERP and CRM implementation, data analytics, artificial intelligence, and more.

We prioritize long-term partnerships built on collaboration and trust, delivering innovative, scalable, and secure solutions to keep our clients ahead in a rapidly evolving landscape.



150+

Global Projects

100+

Happy Clients

420+

Expert Minds

Microsoft Cloud Capabilities



Cloud



Azure
Infra



Azure
Services



Logic
Apps



Service
Bus



Functions



Event
Grid



API
Management



Synapse
Analytics



Load
Testing



Data
Factory



Business Applications



Marketing



Sales



Finance



SCM



Commerce



Customer
Service



Field
Service



Finance &
Operations



Project
Operations



Human
Resources



Low Code



Power
Pages



AI
Builder



Power
Apps



Power
Automate



Copilot
Studio



Data & BI



Fabric



Dataverse



Power BI



Customer
Insights



OneLake



Data
Engineering



Copilot



Data
Lake



Data
Factory



Data
Science



Data
Warehouse



Lakehouse



Microsoft
Purview



Real-Time
Intelligence

Metals Accelerator Solution for D365 F&SCM

The Steel Accelerator is a tailor-made solution integrated with Microsoft D365 F&SCM, designed to enhance operational efficiency, enabling businesses to streamline processes, increase accuracy, and accelerate decision-making.

Advanced Product & Inventory Management

01

Configure and classify products efficiently using Item Type Master, Density Master, Configuration Designer, and Formula Designer.

Smart Procurement Enhancements

02

Streamline vendor management with enhanced purchase orders, serial number entry, and claim reimbursements.

Serial Tracking & Inventory Automation

03

Enable accurate tracking with serial number management, automated transfers, financial dimension tagging, & batch-wise inventory visibility.

Seamless Order Processing

04

Boost accuracy with serial tracking across sales, transfers, journals, and BOM movements.

Real-Time Reporting & Insights

05

Access actionable data through detailed inventory, sales, delivery, and serial number history reports.



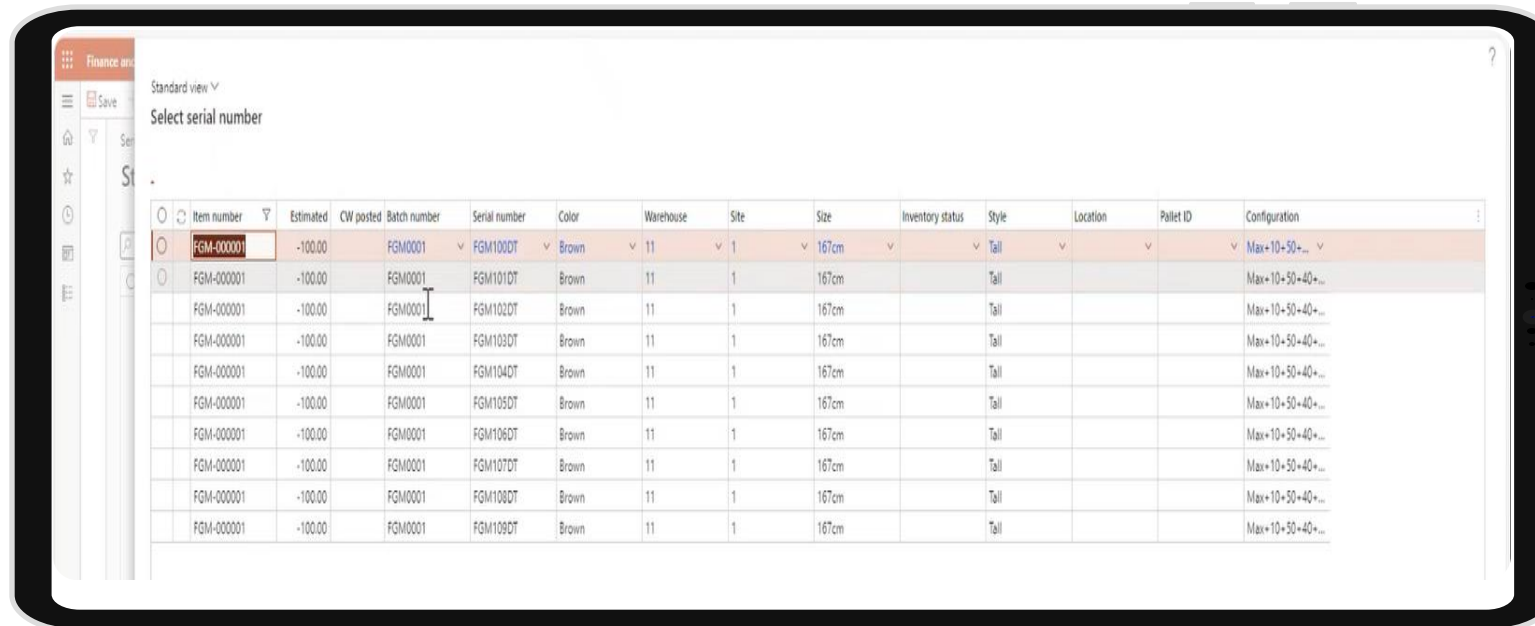
Dynamics 365 F&SCM

- › DynaTech's Product Master enables precise classification with formula-based weight calculations and automated product variant creation.
- › It manages item configurations thickness, width, height through an intuitive configuration designer.
- › Product Attributes support both product-level and variant-level batch tracking.
- › This streamlines inventory setup, improves accuracy and enhances data handling

The screenshot displays the 'Item type master' configuration page in the DynaTech system. The interface is divided into several sections:

- Left Panel:** A list of item types with 'COILSHEET' selected. Other items include CRC, HB, Paint Item Type, Steel Test Flack, Test 004, Test001, TEST-001, and TEST-MA.
- Top Bar:** Includes a search bar and navigation icons.
- Main Content Area:**
 - Item type master:** A table showing details for 'COILSHEET', including Item Type ID, Item Type Name, Item Type Description, Item group (Coil), and Batch Attribute Group (Coil Item).
 - Units:** A section for defining units for Linear, Volume, Secondary, Inventory, Mass, Physical Dimension, Purchase, and Sales.
 - Formula:** A section for defining formulas for Configuration Sequence, Mass, Linear, Volume, Height, Length, Pieces, Thickness, Thickness Type, and Width.
 - Under Delivery/Over Delivery:** A section for defining delivery and over-delivery values for Sales and Purchase.

- › Enhanced sales and purchase order lines with additional fields, dimensions, and attribute tracking.
- › Link sales to purchase orders across ownership and loading locations for process alignment.
- › Toggle screens hide metal-specific fields for non-metal items to maintain clean workflows.



Standard view
Select serial number

Item number	Estimated	CW posted	Batch number	Serial number	Color	Warehouse	Site	Size	Inventory status	Style	Location	Pallet ID	Configuration
FGM-000001	-100.00		FGM0001	FGM100DT	Brown	11	1	167cm		Tall			Max+10+50+...
FGM-000001	-100.00		FGM0001	FGM101DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM102DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM103DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM104DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM105DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM106DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM107DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM108DT	Brown	11	1	167cm		Tall			Max+10+50+40+...
FGM-000001	-100.00		FGM0001	FGM109DT	Brown	11	1	167cm		Tall			Max+10+50+40+...

- › Manage inventory returns and rejections for serial-tracked items directly back to vendors.
- › Apply vendor/customer-specific discounts and handle claim reimbursements tied to returned serial numbers.
- › The feature supports financial accuracy, improves vendor coordination, and streamlines return cycles.
- › Returns are now a trackable and auditable part of the inventory process.

Finance and Operations | Search for a page | USMF

Claim Reimbursement Agreement | Standard view

USMF-0001 : Contoso Retail USA

Claim Reimbursement Agreement

Settlement Id	Name	Name	Category	Charges	Total Debit	Settled Amount
USMF-0001	Contoso Retail USA	Acme Office Supplies	Fixed	100.00	4,500.00	2,100.00
Customer account	Vendor account	InActive	Charge Unit	Total Balance	PO Settled	Total Applied Amount
US-040	1001	No	It	2,400.00	300.00	2,000.00

Claim Reimbursement Agreement Details

Case ID	Case Date	Debit Note...	Debit Sales Order	Original Customer	Original Sales Order	Debit	Po Settled ...	Balance	Settled Am...	Total Appli...
000028	9/19/2023	CIV-0000...	00001	US-040	001537	4,500.00	300.00	2,400.00	2,100.00	2,000.00

Claim Reimbursement Agreement PO Settled

Debit Note No	Purchase order	Line number	Charges co...	Category	Charge Unit	Charges	PO Settled	Total Applied Am...
CIV-00000729	00001475	1	FutDisc	Fixed		100.00	100.00	1,000.00
CIV-00000729	00001500	1	FutDisc	Fixed		100.00	100.00	0.00
CIV-00000729	00001502	1	FutDisc	Fixed		100.00	100.00	1,000.00

- › Calculates secondary weights (tons, meters, etc.) for steel items based on physical dimensions.
- › Powered by the configuration designer, it supports dual unit tracking (e.g., weight + length).
- › Helps in accurate inventory valuation, order fulfilment, and reporting.
- › Enables effective planning and stock management across varying measurement units.

Finance and Operations | Search for a page | USMF

Purchase order | Purchase | Manage | Receive | Invoice | Retail | Warehouse | Transportation | General | Options

New | **Maintain** | **Copy** | **View** | **Clean up**

00004700 : 1001 - Acme Office Supplies | Open order | Confirmed

Purchase order header

DELIVERY | Requested receipt date: 11/23/2023 | Ownership At: [Dropdown] | Loading location: [Dropdown] | Create Transfer order

DISCOUNTS | Total discount %: 0.00 | Consider Claim Reimbursement: [Radio Button] No

VENDOR | Contact: [Dropdown] | **REPLENISHMENT** | Service category: [Dropdown] | Location: [Dropdown]

CROSS DOCKING DATES | Requested receipt date: 11/23/2023 | Cross docking date: [Dropdown]

Local delivery date | Local delivery date: [Dropdown] | Sales date: [Dropdown]

PRODUCT/ORDER CREATION | Auto created: [Radio Button] No | Origin: Purchase | Applied Amount: 0.00 | PO Settled: 0.00 | Processing invoice on actual qua...: [Radio Button] No

Purchase order lines

Line	UOM	Adjusted u...	Discount	Discount p...	Net amount	Adjusted n...	Quality order status	Receive now	CW receiv...	Load ID	Dimensions	Color	Style	Grades	Unit Weight	Secondary...	Secondary...	Purch Price...	Purch Price	Batch Attribute Te...
30		0.00000				0.00					Max-22.979-25-65	HB_MTBBLUE Matt Blue TE...	Big		16,897.72	ft	0.20		40.00	
30		0.00000			40,000.00	0.00					Max-22.979-25-65	HB_MTBBLUE Matt Blue TE...	Big		16,897.72	ft	0.10		40.00	
30		0.00000			40,000.00	0.00					Max-22.979-25-65	HB_MTBBLUE Matt Blue TE...	Big		16,897.72	ft	0.10		40.00	
30		0.00000			40,000.00	0.00					Max-22.979-2...	HB_MTBBLUE Matt Blue...	Big		16,897.72	ft	0.10		40.00	

Line details

General | Setup | Address | Product | Product Variant View | Paint details | **Product Notes** | Transfer Order | Delivery | Picking | Price and discount | Project | Product packages | Variants | Foreign trade | Fixed assets | 1099 | Financial dimensions | Loads | Landed cost

New | Delete | Create New Template

- › Manages bulk purchases and sales, receiving and picking serial numbers
- › Allows direct selection and transfer of bulk serial numbers between warehouses via transfer orders.
- › Includes functionality to convert old serial numbers into new ones with quantity mapping.
- › Ensures end-to-end traceability and reduces manual processing effort.

Finance and Operations

serial

USMF

Edit + New Delete On-hand list Transactions Trace Item tracing Options

Filter

Standard view

Serial numbers

Serial number	Bill of Lading	OriginSerialNo	Last Serial No	Original Purchase Order	Received in country	Secondary quantity	Transaction
as01sa 00001	asdf	as01sa	as01sa	00000925		0.00	Purchase
as02sa 00001							
as03sa 00001							
as04sa 00001							
as05sa 00001							
as06sa 00001							
as07sa 00001							
as08sa 00001							
as09sa							

Item number Document date Purchase Order Original Receipt Date last bil of lading Secondary Unit Unit Weight Pieces

00001 6/16/2023 00000925 6/16/2023 asdf ft 1,486.85 0.0000

Packing Remarks

Notes

General

Manufacturing date Description Serial disposition code

- › Offers detailed metal inventory and sales reports with serial-level tracking and dimensions and delivery.
- › Users can hold defective/quarantined serial numbers with disposition codes or block them from use.

Finance and Operations

Record Insert Successfully

Search for a page

USMF

Personalize: Always open for editing, Personalize this page, Add to workspace

Page options: Security diagnostics, Advanced filter or sort, Record info

Share: Get a link, Create a custom alert, Manage my alerts

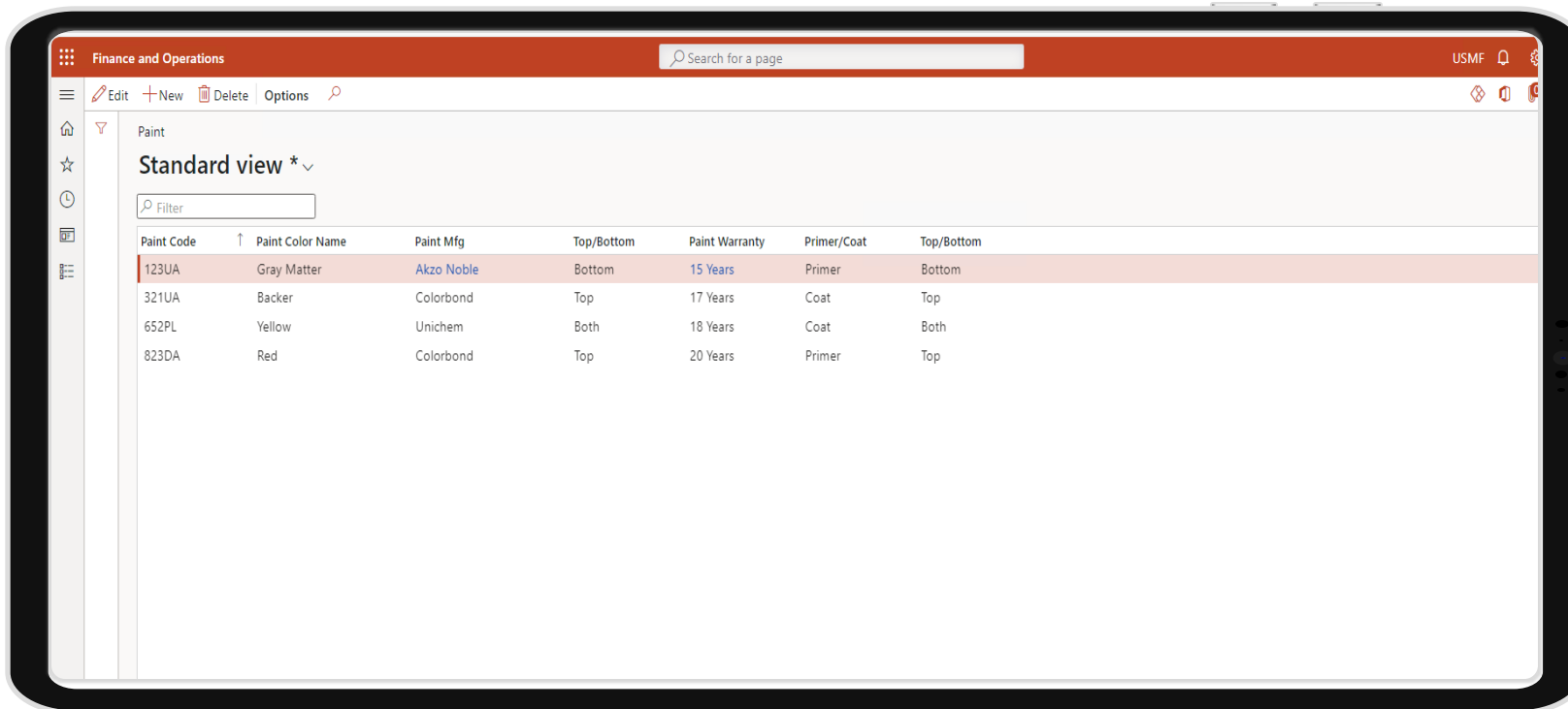
Open sales Order Lines

Standard view *

Filter

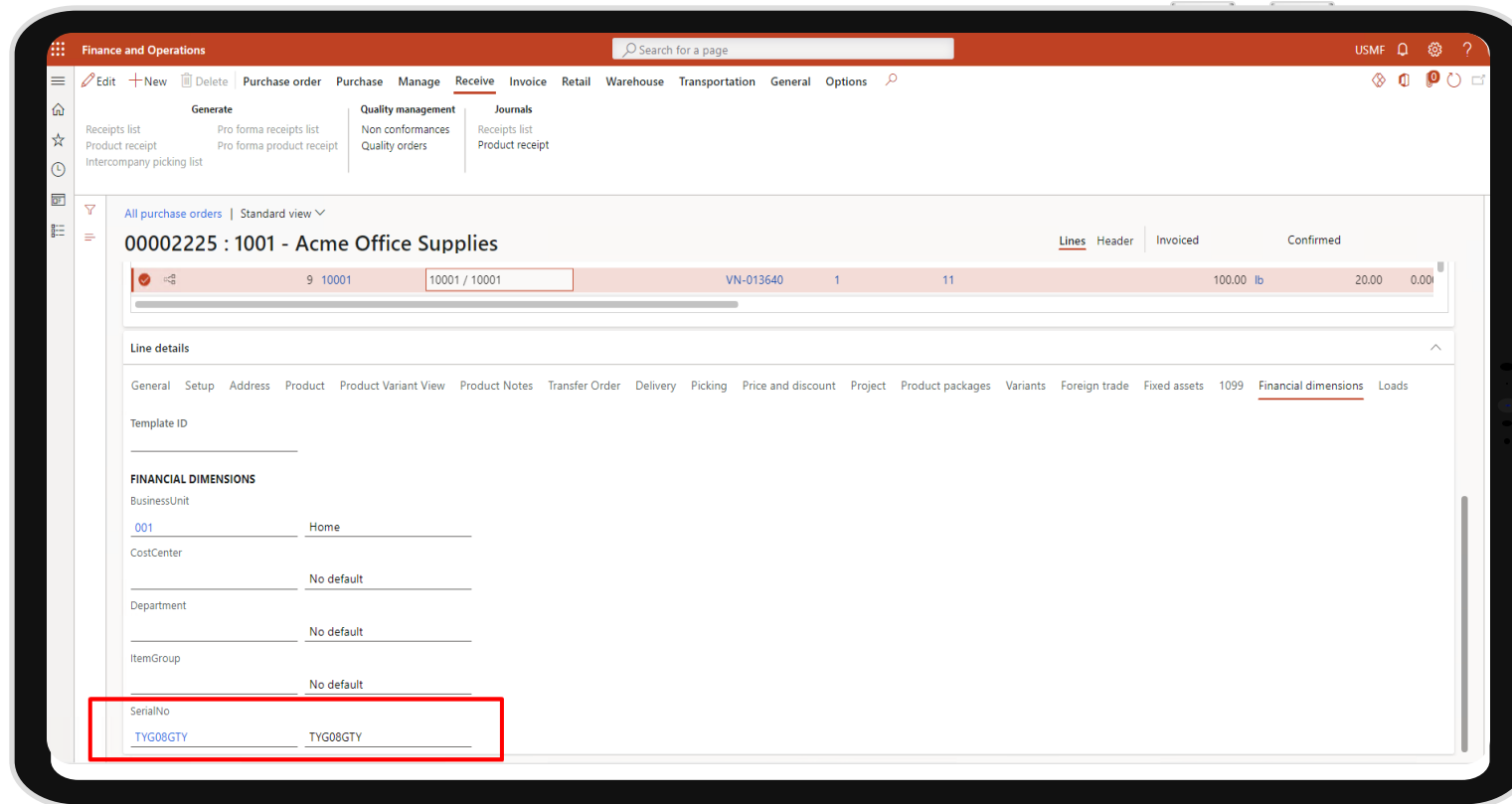
Sales order	Line number	Customer account	Customer Name	Item number	Product name	Configuration	Size	Color	Style	Top Paint Code	Confirmed Receipt ...	Date	Unit	Net amou
000960	6.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	7.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	8.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	9.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	10.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	11.5000000000	DE-001	Contoso Europe	DT Test	DT Test	0.9-Nom-90	10	Blossom-P	Big			4/29/2023	lb	0.0
000960	1.5000000000	DE-001	Contoso Europe	DT Test1	DT Test1	Default	10	Abbey	B			4/29/2023	lb	0.0
000960	2.5000000000	DE-001	Contoso Europe	DT Test1	DT Test1	Default	10	Abbey	B			4/29/2023	lb	0.0
000985	1.0000000000	US-001	Contoso Retail San Diego	DT Test	DT Test	Default	10	Blossom-P	Big			5/3/2023	lb	15,000.0
000988	2.0000000000	US-001	Contoso Retail San Diego	DT Test	DT Test	Default	10	Abbey	B			5/3/2023	lb	0.0
001010	1.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	2.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	3.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	4.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	5.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	6.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	7.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	8.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	9.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	10.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	11.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	1.000.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0
001010	1,009.0000000000	US-001	Contoso Retail San Diego	DT Test1	DT Test1	0.8-Nom-80	10	Blossom-P	Big			5/3/2023	lb	0.0

- › Eliminates reliance on batch attributes and enables better tracking of painted items.
- › Integrates seamlessly with D365's dimension-based framework for greater flexibility.
- › Improves variant control, inventory reporting, and operational accuracy for colored products.

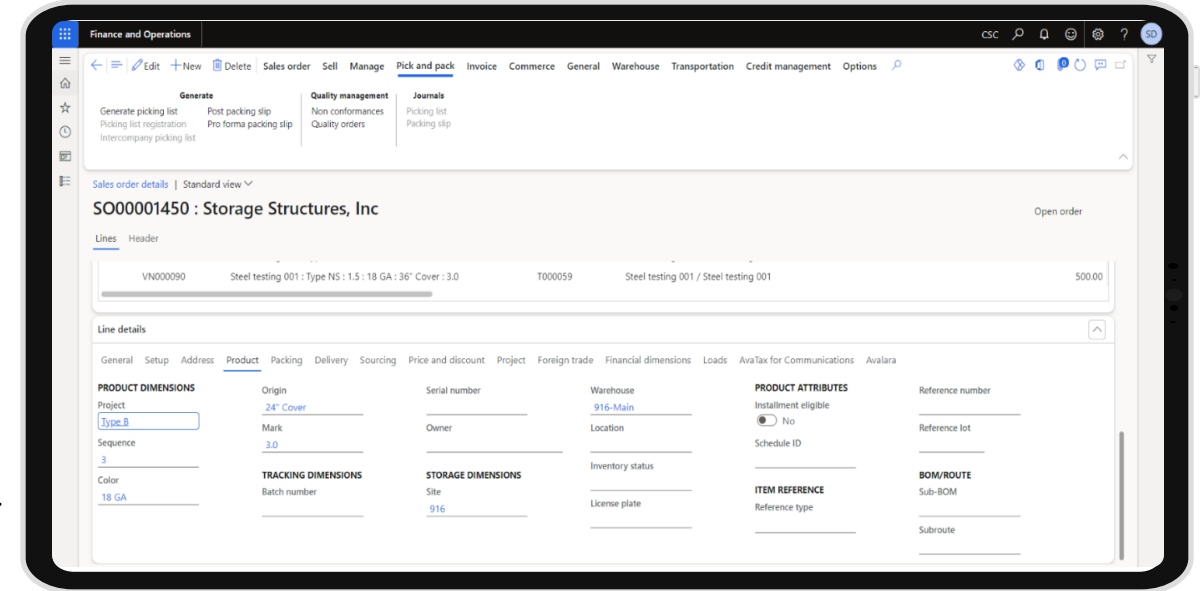


Paint Code	Paint Color Name	Paint Mfg	Top/Bottom	Paint Warranty	Primer/Coat	Top/Bottom
123UA	Gray Matter	Akzo Noble	Bottom	15 Years	Primer	Bottom
321UA	Backer	Colorbond	Top	17 Years	Coat	Top
652PL	Yellow	Unichem	Both	18 Years	Coat	Both
823DA	Red	Colorbond	Top	20 Years	Primer	Top

- › Tracks costs per batch or serial number, including purchase, logistics, production, and sales.
- › Offers yield reporting and gross margin analysis per lot, improving profitability assessment.
- › Centralizes cost data for clear insights across the value chain.
- › Enables informed decision-making on pricing, sourcing, and operational optimization.



- › Enabled end-to-end project lifecycle management by integrating Dynamics 365 CE with F&O, starting from Master Opportunity to Project Order creation.
- › Automated creation of Project IDs with Time & Material project type, along with Estimated and SOV Sales Orders linked to respective IDs.
- › Implemented Sales Order sequencing using a Sequence Calculator in CE, ensuring seamless tracking and variant generation tied to the project.
- › Synced WBS between CE and F&O using Dual Write, with custom fields for production confirmation, customer shipping, and sequencing.
- › Enhanced WBS Matrix with auto-updated production stages and audit logging via the Generate Sequence feature.
- › Developed revenue recognition and billing logic based on sales order shipments for accurate financial reporting.
- › Initiated integration of Desgo 3 and Desgo 4 costing tools with F&O to support real-time cost visibility and operational efficiency.



Want to know more?

Contact Us!

DynaTech Systems has proudly served clients seeking advanced tech solutions across the globe with top-notch precision and excellence.



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