



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

450+

Expert Minds

AI – Led Microsoft Cloud Capabilities



Microsoft Cloud & Low Code



Azure
Infra



Azure
Services



Logic
Apps



Service
Bus



Event
Grid



API
Management



Synapse
Analytics



Load
Testing



Functions



Data Factory



Power
Pages



Power
Automate



Power
Apps



AI
Builder



Azure
FHIR



Agentic AI Business Applications



Sales



Finance



SCM



Project
Operations



Customer
Service



Field
Service



Customer
Insights & Marketing



Human
Resources



Commerce



Data & AI



Fabric



Copilot



Power
BI



Data
Warehouse



OneLake



Data
Lake



Data
Factory



Data
Science



Lakehouse



Real-Time
Intelligence



Data
Engineering



Dataverse



Microsoft
Purview



Databases



Azure AI
Foundry



Copilot
Studio

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 for 'COILSHEET' within the 'Finance and Operations' module. 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:** Shows details for 'COILSHEET', including its name, description, group ('Coil'), and batch attribute group ('Coil Item').
 - Units:** A table defining units for Linear, Volume, Secondary, Inventory, Mass, Physical Dimension, Purchase, and Sales.
 - Formula:** A section for configuring formulas and attributes like Configuration Sequence, Mass Formula, Height, Length, Pieces, Thickness, and Width, each with a 'Yes/No' toggle.
 - Under Delivery/Over Delivery:** A table for setting delivery and overdelivery values for Sales and Purchase.

Linear Unit	Volume Unit	Secondary Unit	Inventory Unit
ft		ft	ft

Configuration Sequence	Mass Formula	Height	Pieces	Thickness Type
COIL	MUF	<input checked="" type="radio"/> No	<input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes

SALES		PURCHASE	
Sales Over delivery	5.00	Purchase Overdelivery	10.00
Sales Under Delivery	5.00	Purchase UnderDelivery	10.00

- › 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

		Sales order	Item number	Quantity ▾	Estimated ↓	CW posted	Batch number	Serial number	Surface Treatments	Warehouse	Site	Grades
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing05Prod	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing06Prod	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing07Prod	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing08Prod	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing09Prod	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	100.0001	220,462.3254		SO-005324-1	Casing10Prod	Mill Lacquer Coating	Atom	OSI	J55
✓		SO-005324	PP OCTG API 5CT ...	99.9719	220,400.3200		SO-005324-1	Casing1ProceSer	Mill Lacquer Coating	Atom	OSI	J55
👤		SO-005324 ▾	PP OCTG API 5CT ...	99.9719	220,400.3200		SO-005324-1 ▾	Casing3ProceSe ▾	Mill Lacquer Coating ▾	Atom ▾	OSI ▾	J55 ▾
		SO-005324	PP OCTG API 5CT ...	99.9538	220,360.3200		SO-005324-1	Casing4ProceSe	Mill Lacquer Coating	Atom	OSI	J55
		SO-005324	PP OCTG API 5CT ...	99.9266	220,300.3200		SO-005324-1	Casing2Proceser	Mill Lacquer Coating	Atom	OSI	J55

- › 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.

[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	IsActive	Charge Unit	Total Balance	PO Settled	Total Applied Amount
US-040	1001	<input checked="" type="checkbox"/> No	lb	2,400.00	300.00	2,000.00

Claim Reimbursement Agreement Details

[Delete](#)

<input type="radio"/> Case ID	Case Date	Debit Note No	Debit Sales Order	Original Customer	Original Sales Order	Debit	Po Settled Amount	Balance	Settled Amount	Total Applied Amount
<input checked="" type="radio"/> 00028	9/19/2023	CIV-00000729	00031	US-040	001537	4,500.00	300.00	2,400.00	2,100.00	2,000.00

Claim Reimbursement Agreement PO Settled

[Delete](#)

<input type="radio"/> Debit Note No	Purchase order	Line number	Charges co...	Category	Charge Unit	Charges	PO Settled	Total Applied Am...
<input checked="" type="radio"/> 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.

All purchase orders | Standard view

00004700 : 1001 - Acme Office Supplies

Open order Confirmed

Lines Header

Purchase order header

DELIVERY
 Requested receipt date
 11/23/2023
 Earliest confirmed receipt date

Ownership At
 11
 Loading location
 11
 Create Transfer order

DISCOUNTS
 Total discount %
 0.00
 Consider Claim Reimbursement
☐ No

VENDOR
 Contact
 REPLENISHMENT
 Service category
 Location

CROSS DOCKING DATES
 Requested receipt date
 11/23/2023
 Cross docking date

Local delivery date
 Sales date

PRODUCT/ORDER CREATION
 Auto created
☒ No
 Origin
 Purchase

Applied Amount
 0.00
 PO Settled
 0.00
 Processing invoice on actual qua...
☒ No

Purchase order lines

+ Add line + Add lines Add products Remove Charges Enter Dimension Serial number entry Change View Registered lines Open Sales Order Purchase order line Financials Inventory Product and supply Update line Warehouse

	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 Pric...	Purch Price	Batch Attribute Te...
	00	0.00000			0.00					Max-22.979-25-65	HB_MTBBLUE Matt Blue TE...	Big		16,897.72	ft	0.20		40.00	
	00	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	
	00	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	
	00	0.00000		40,000.00	0.00					Max-22.979-2...	HB_MTBBLUE Matt Blue...	Big		16,897.72	ft	0.10		40.00	

- › 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

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

Filter

as01sa
00001

as02sa
00001

as03sa
00001

as04sa
00001

as05sa
00001

as06sa
00001

as07sa
00001

Standard view

Serial numbers

Serial number	Bill of Lading	OriginSerialNo	Last Serial No	Original Purchase Order	Received in country	Secondary quantity	Transaction
as01sa	asdf	as01sa	as01sa	00000925		0.00	Purchase
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

- › Enables users to process a serial number through various operations such as cutting, bending, slitting, or painting.
- › Helps in accurately tracking and managing each operation performed on the specific serial number.
- › Allows users to reuse or scrap the remaining salvage material from the serial number or coil after processing.

Item number	Estimated	CW posted	Batch number	Serial number	Color	War...	Site	Size	Invento...	Sty
TRS00001	-50.00		FGM-0216	SIK-1855		11	1	G58x...		Ind
TRS00001	-50.00		FGM-0216	SIK-1856		11	1	G58xMin...		Ind
TRS00001	-50.00		FGM-0216	SIK-1857		11	1	G58xMin...		Ind
TRS00001	-24.50		FGM-0216	DS100PL		11	1	G58xMin...		Ind
TRS00001	-23.50		FGM-0216	DS101PL		11	1	G58xMin...		Ind
TRS00001	-50.00		FGM-0216	SIK-1856		11	1	G58xMin...		Ind
TRS00001	-25.00		FGM-0216	SIK-1855		11	1	G58xMin...		Ind
TRS00001	-25.00		FGM-0216	SIK-1855		11	1	G58xMin...		Ind
TRS00001	-100.00		FGM-0223	SIK-1862		11	1	G58xMin...		Ind
TRS00001	-100.00		FGM-0223	SIK-1865		11	1	G58xMin...		Ind
TRS00001	-100.00		FGM-0223	SIK-1866		11	1	G58xMin...		Ind
TRS00001	-100.00		FGM-0223	SIK-1867		11	1	G58xMin...		Ind

Item number	Original serial no	Serial number	New serial no	Finished quantity	Process quantity	Yield	Leftover Quantity
TRS00001	SIK-1859	SIK-1859	TRS100YUT	50.00	50.00	<input type="checkbox"/>	<input type="checkbox"/>
TRS00001	SIK-1859	SIK-1859	TRS101YUT	50.00	50.00	<input type="checkbox"/>	<input type="checkbox"/>
TRS00001	SIK-1859	SIK-1859		0.00		<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRS00001	SIK-1860	SIK-1860	UUT102TRS	50.00	50.00	<input type="checkbox"/>	<input type="checkbox"/>
TRS00001	SIK-1860	SIK-1860	UUT103TRS	50.00	50.00	<input type="checkbox"/>	<input type="checkbox"/>
TRS00001	SIK-1860	SIK-1860		0.00		<input checked="" type="checkbox"/>	<input type="checkbox"/>

- › Allows users to view the structure of the final or processed product as per the requirement.
- › The image resizing tool enables users to acknowledge and verify the actual size of the final product.

The screenshot displays the DynaTech Systems interface for product configuration. The main window shows details for 'DSPL Steels Inc.' with various input fields for address, date, customer account, payment method, site, and warehouse. Below these is a table of product lines. An 'Image Resize Tool' overlay is visible on the right side, featuring a 'Standard view' dropdown, a title 'Image Resize Tool', and a section for 'Selected Product: CLWG1004050212'. This section includes four input fields for dimensions: P1: 40, P2: 30, P3: 30, and P4: 40. Below these are 'Create Image' and 'Reset Values' buttons. At the bottom of the tool is a diagram of a 'W' shaped product with dimension lines indicating the specified values. A 'Submit' button is located at the very bottom of the tool overlay.

Operations

Save + New Delete Sales order Sell Manage Pick and pack Invoice Commerce General Warehouse Transportation Options

Page options

Security diagnostics Advanced filter or sort Record info Go to

Edit

Read mode Revert

Share

Get a link Create a custom alert Manage my alerts

Details | My view-1

DSPL Steels Inc.

Times Corporate Park,
Thaltej-Shilaj Road,
Opp. Osia Mart,
Ahmedabad - 380059

9/1/2025
Simulate delivery dates

Customer account
DT0001

Method of payment
CASH

Site
1

Warehouse
11

Lines

Add lines Add products Remove Select serial number Enter Dimension Change View Sales order line Financials Inventory Product and supply Update line Warehouse Retail

	Site	Warehouse	Unit price	Net amount	Thickness	Grade	Length	Bar Mark	Line status	Shape code	Unit Weight	Secondary Unit	Secondary q
1	1	11	550.00	5,500.00	15 mm	G101	10 m	Galvanized	Delivered		150.00	kg	

Standard view

Image Resize Tool

Selected Product: CLWG1004050212

P1: 40

P2: 30

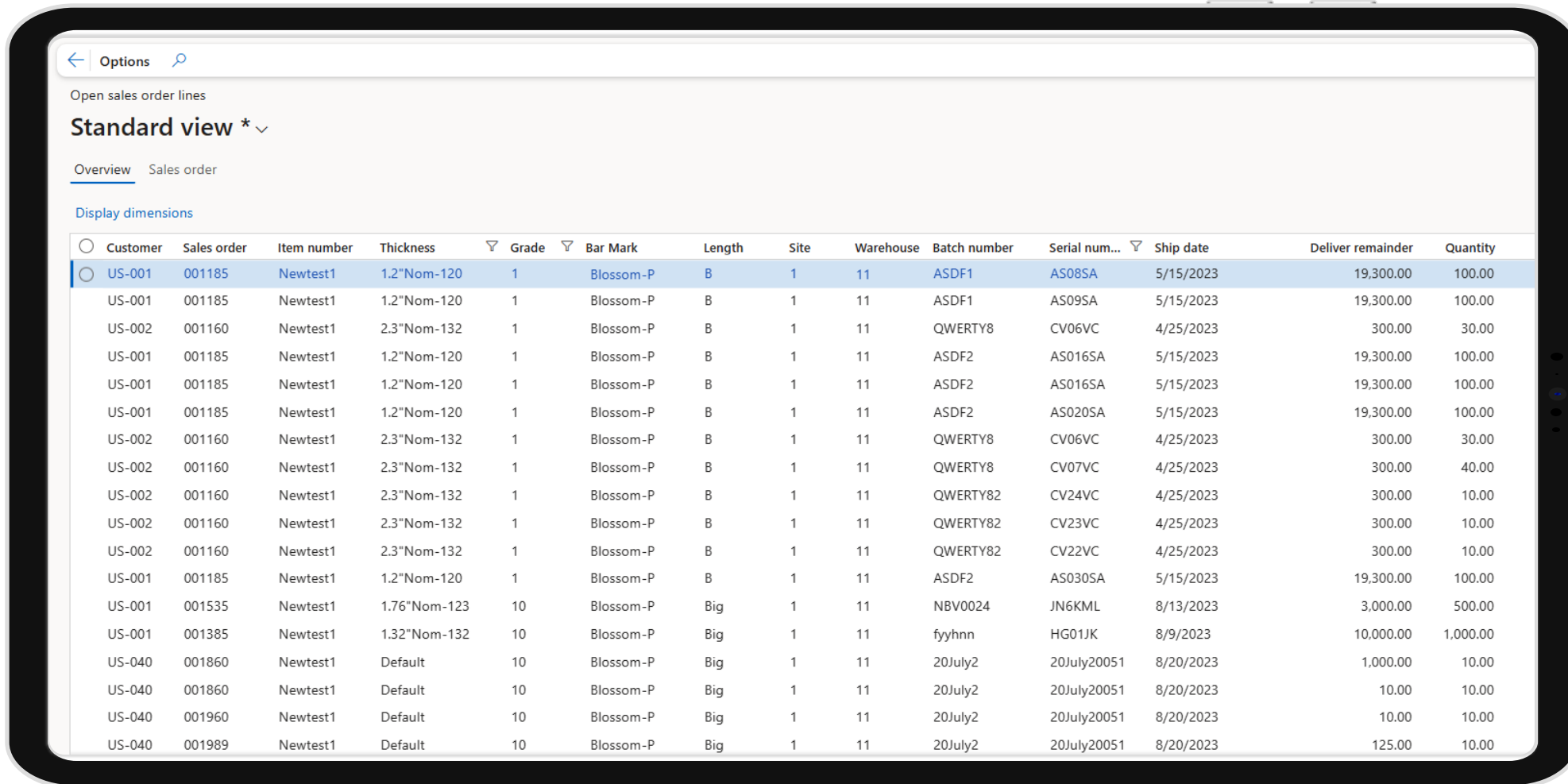
P3: 30

P4: 40

Create Image Reset Values

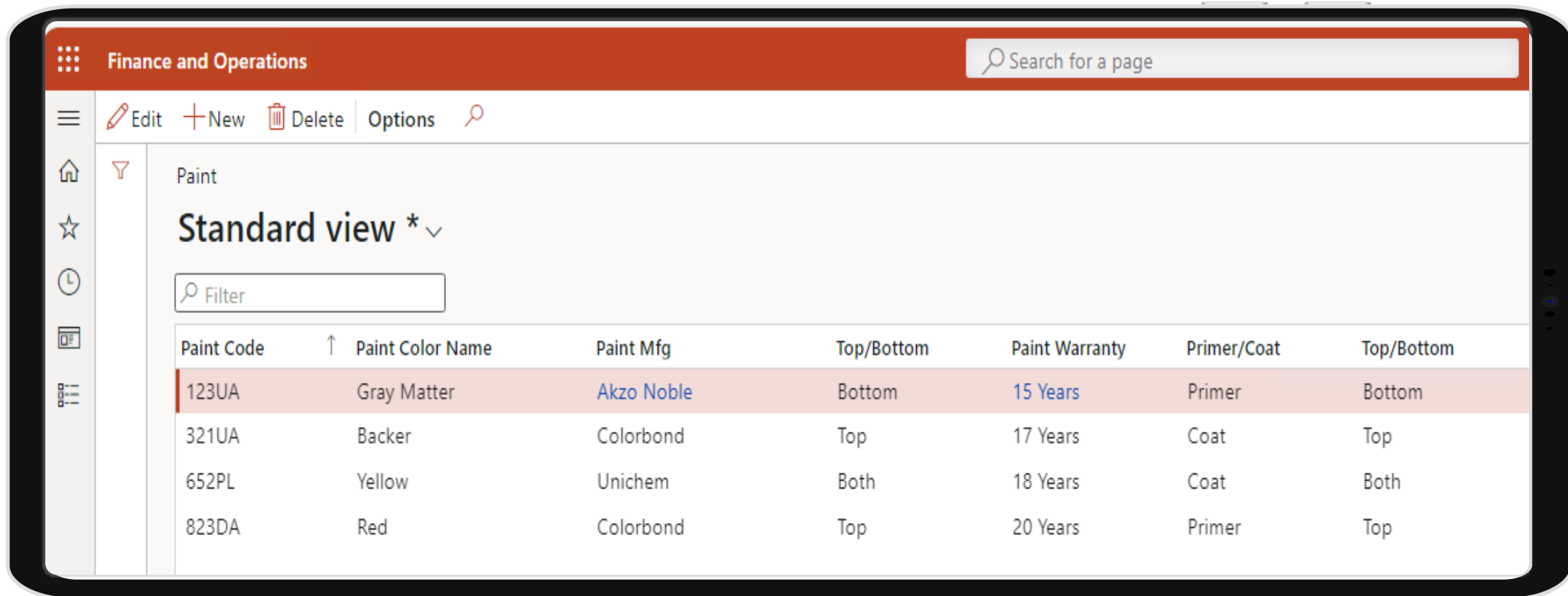
Submit

- › 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.



Customer	Sales order	Item number	Thickness	Grade	Bar Mark	Length	Site	Warehouse	Batch number	Serial num...	Ship date	Deliver remainder	Quantity
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF1	AS08SA	5/15/2023	19,300.00	100.00
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF1	AS09SA	5/15/2023	19,300.00	100.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY8	CV06VC	4/25/2023	300.00	30.00
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF2	AS016SA	5/15/2023	19,300.00	100.00
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF2	AS016SA	5/15/2023	19,300.00	100.00
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF2	AS020SA	5/15/2023	19,300.00	100.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY8	CV06VC	4/25/2023	300.00	30.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY8	CV07VC	4/25/2023	300.00	40.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY82	CV24VC	4/25/2023	300.00	10.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY82	CV23VC	4/25/2023	300.00	10.00
US-002	001160	Newtest1	2.3"Nom-132	1	Blossom-P	B	1	11	QWERTY82	CV22VC	4/25/2023	300.00	10.00
US-001	001185	Newtest1	1.2"Nom-120	1	Blossom-P	B	1	11	ASDF2	AS030SA	5/15/2023	19,300.00	100.00
US-001	001535	Newtest1	1.76"Nom-123	10	Blossom-P	Big	1	11	NBV0024	JN6KML	8/13/2023	3,000.00	500.00
US-001	001385	Newtest1	1.32"Nom-132	10	Blossom-P	Big	1	11	fyhnn	HG01JK	8/9/2023	10,000.00	1,000.00
US-040	001860	Newtest1	Default	10	Blossom-P	Big	1	11	20July2	20July20051	8/20/2023	1,000.00	10.00
US-040	001860	Newtest1	Default	10	Blossom-P	Big	1	11	20July2	20July20051	8/20/2023	10.00	10.00
US-040	001960	Newtest1	Default	10	Blossom-P	Big	1	11	20July2	20July20051	8/20/2023	10.00	10.00
US-040	001989	Newtest1	Default	10	Blossom-P	Big	1	11	20July2	20July20051	8/20/2023	125.00	10.00

- › 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.



Finance and Operations

Search for a page

Edit New Delete Options

Paint

Standard view * v

Filter

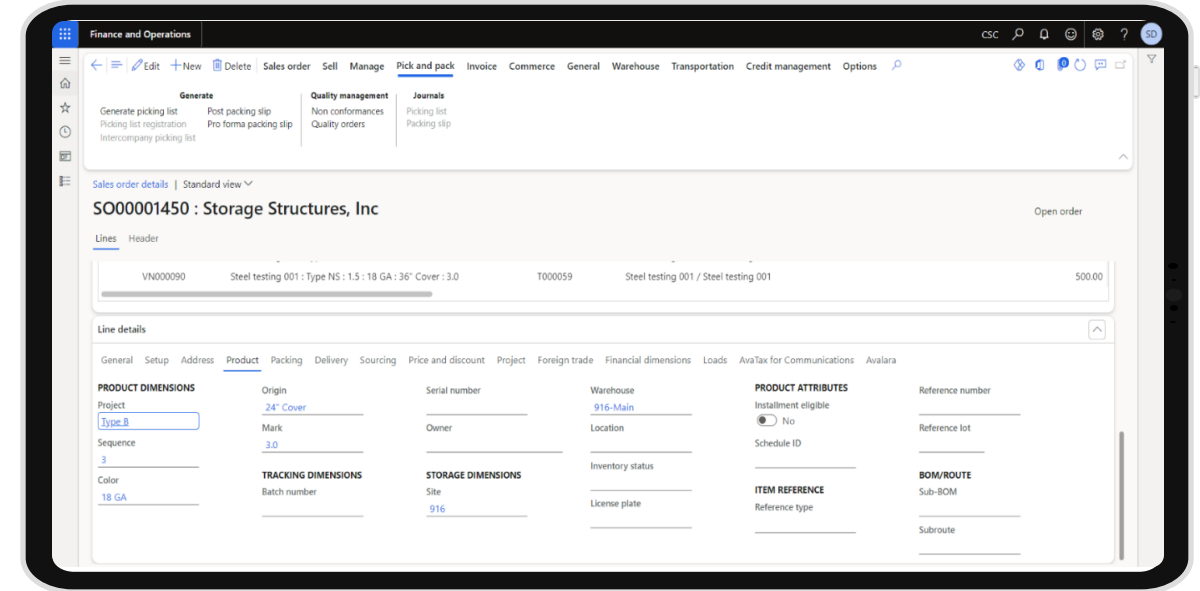
Paint Code	Paint Color Name	Paint Mfg	Top/Bottom	Paint Warranty	Primer/Coat	Top/Bottom
123UA	Gray Matter	Akzo Noble	Bottom	15 Years	Primer	Bottom
321UA	Backer	Colorbond	Top	17 Years	Coat	Top
652PL	Yellow	Unichem	Both	18 Years	Coat	Both
823DA	Red	Colorbond	Top	20 Years	Primer	Top

- › 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.

The screenshot displays the 'Finance and Operations' interface. The top navigation bar includes 'Edit', '+ New', 'Delete', 'Purchase order', 'Purchase', 'Manage', 'Receive', and 'Invoice'. Below this, there are tabs for 'Generate', 'Quality management', and 'Journals'. The 'Generate' tab is active, showing options like 'Receipts list', 'Product receipt', and 'Intercompany picking list'. The 'Quality management' tab shows 'Non conformances' and 'Quality orders'. The 'Journals' tab shows 'Receipts list' and 'Product receipt'. The main content area shows a purchase order for '00002225 : 1001 - Acme Office Supplies'. Below the header, there is a table with columns for 'Line details', 'General', 'Setup', 'Address', 'Product', 'Product Variant View', and 'Product Notes'. The 'Line details' section is expanded, showing 'Template ID' and 'FINANCIAL DIMENSIONS'. The 'FINANCIAL DIMENSIONS' section includes fields for 'BusinessUnit', 'CostCenter', 'Department', 'ItemGroup', and 'SerialNo'. The 'SerialNo' field is highlighted with a red box, showing the value 'TYG08GTU'.

Line details	General	Setup	Address	Product	Product Variant View	Product Notes
Template ID						
FINANCIAL DIMENSIONS						
BusinessUnit	001	Home				
CostCenter		No default				
Department		No default				
ItemGroup		No default				
SerialNo	TYG08GTU	TYG08GTU				

- › 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.



Locations

USA, Canada, UK, India



Mail Us

sales@dynatechconsultancy.com



Phone

+1 844 787 3365



Visit Our Website

www.dynatechconsultancy.com