

# BOM Transforming

Align Engineering & Manufacturing  
Bills of Materials

**Sven Dickmans**

Technical Sales Specialist

**Peter Van Avondt**

Technical Sales Specialist

# WELCOME



PETER VAN AVONDT

□ +32 498 16 55 24

✉ Peter.van.avondt@autodesk.com

alinkedin.com/in/petervanavondt



SVEN DICKMANS

□ +49 151 62 82 15 81

✉ sven.dickmans@autodesk.com

alinkedin.com/in/sven-dickmans



BETTER PRODUCTS  
START WITH BETTER  
BOM MANAGEMENT

# Bill of Materials

From Engineering to As Maintained



Engineering

CAD



Manufacturing

ERP



As-Built

Excel



Service

?

# Bill of Materials

From Engineering to As Maintained



Engineering

PDM



Manufacturing

ERP



As-Built

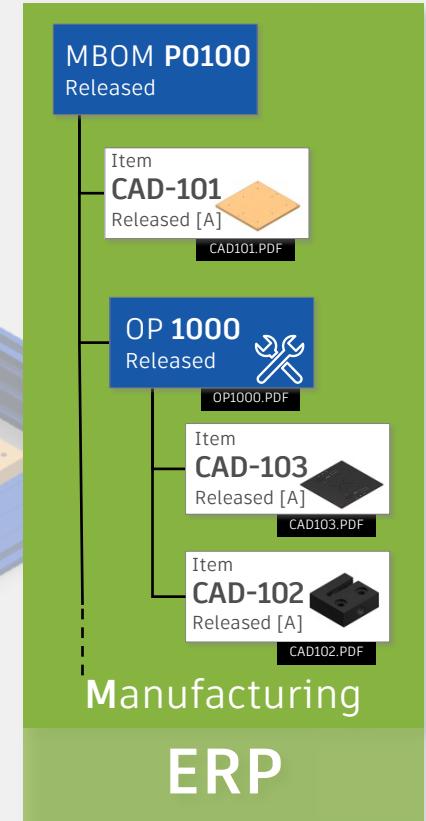
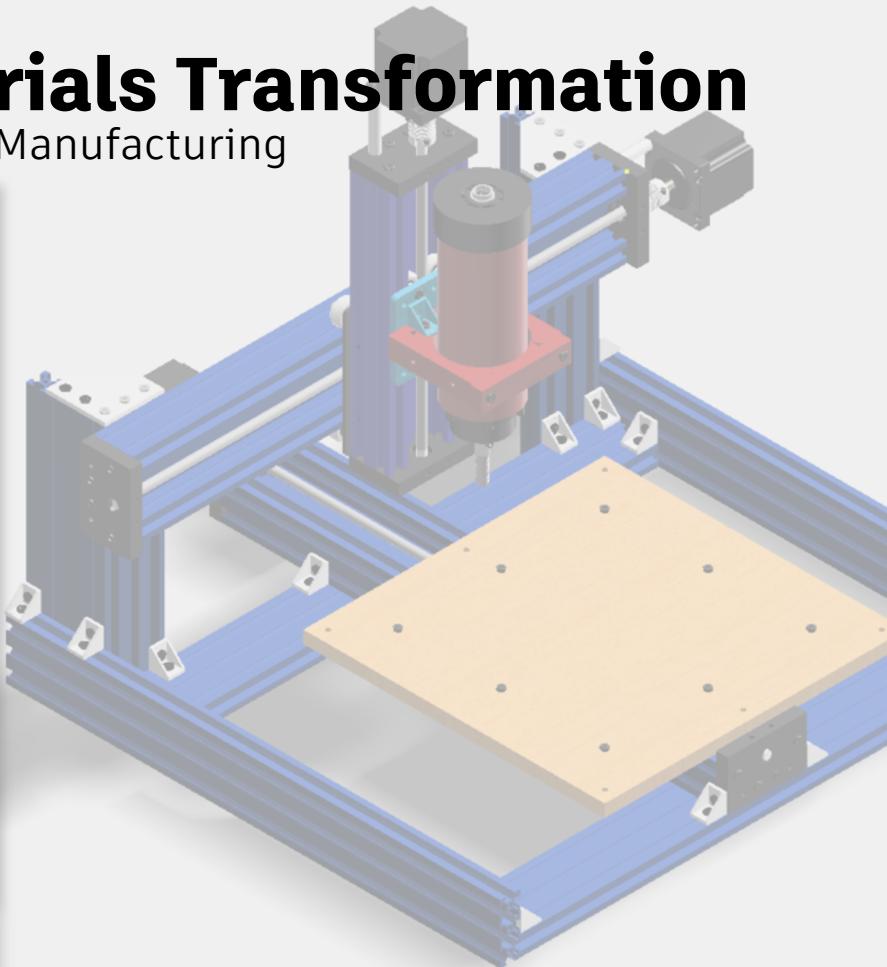
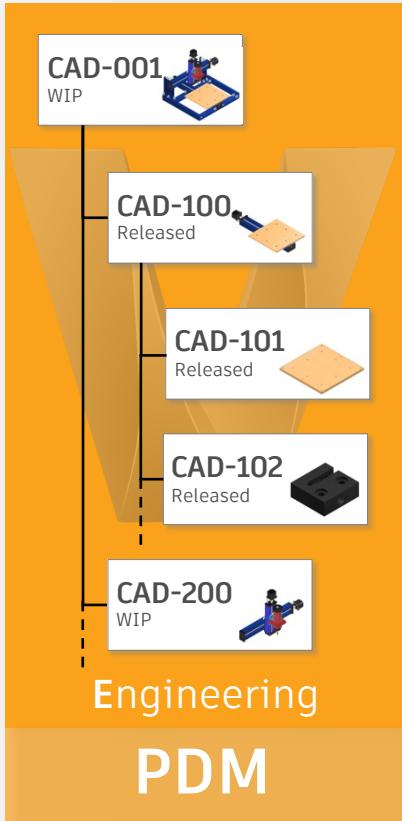
PLM



Service

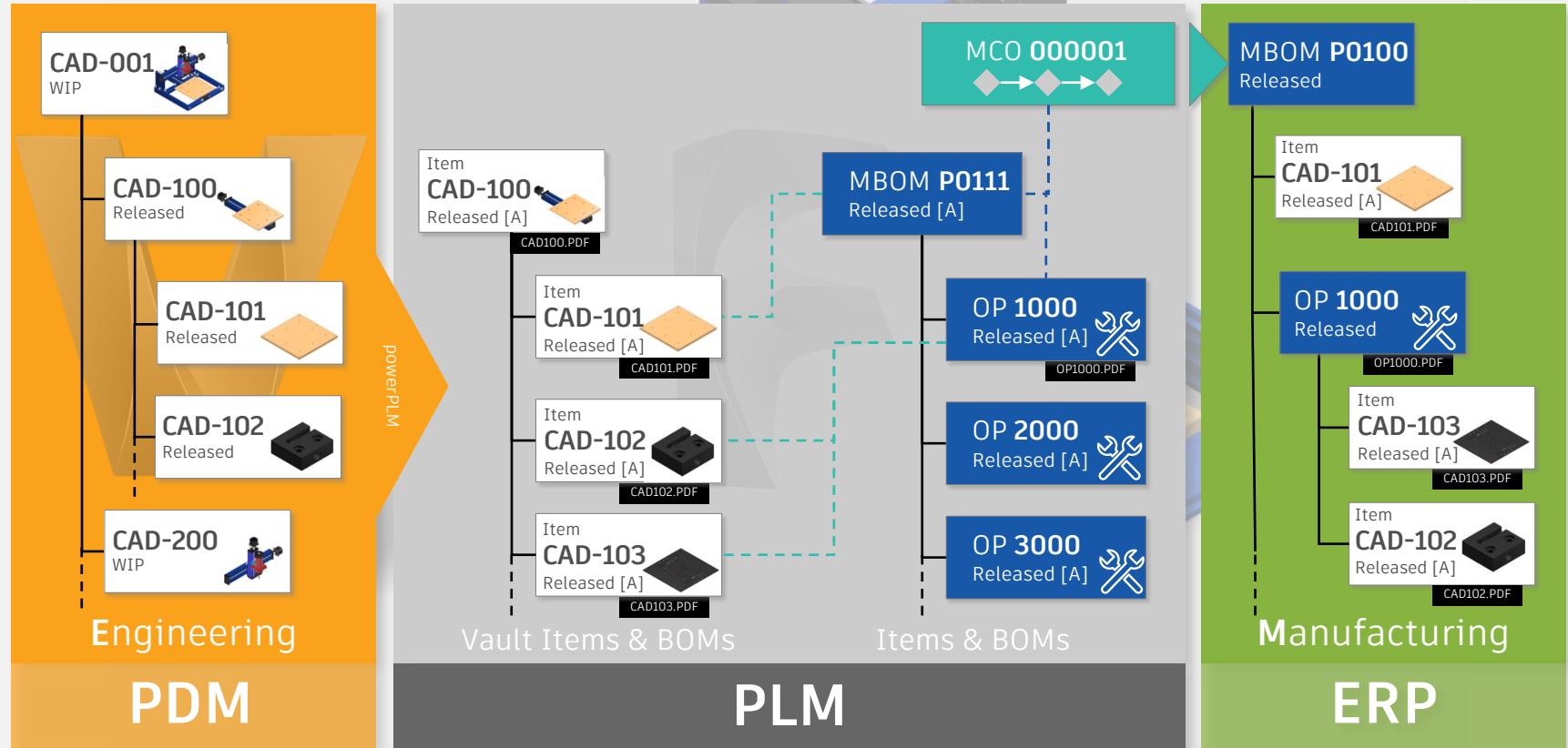
# Bill of Materials Transformation

From Engineering to Manufacturing



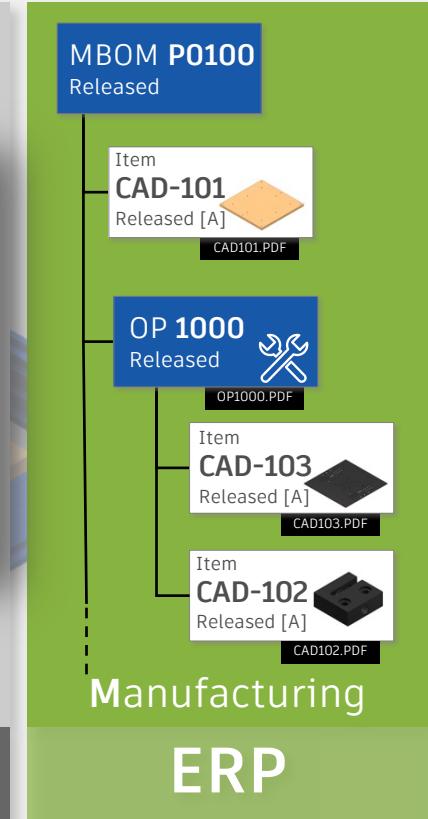
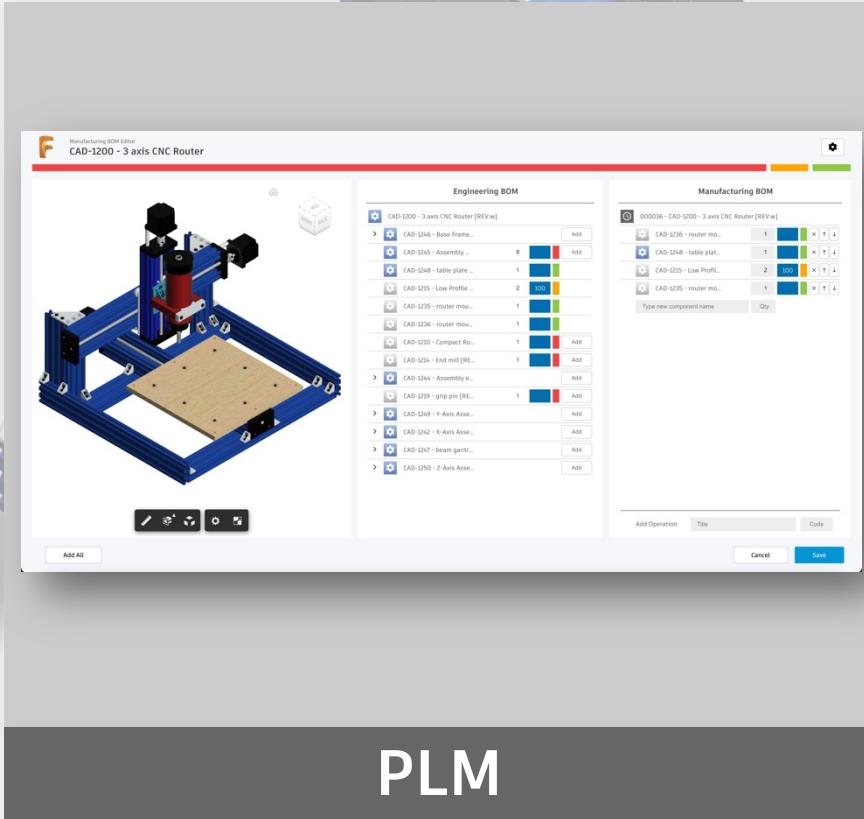
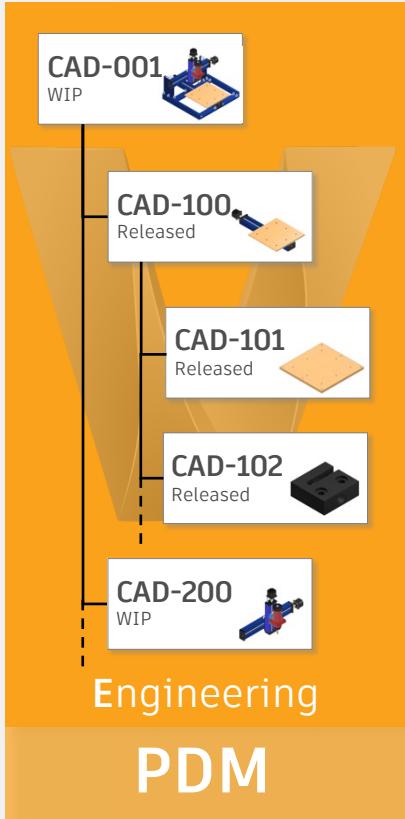
# Bill of Materials Transformation

From Engineering to Manufacturing

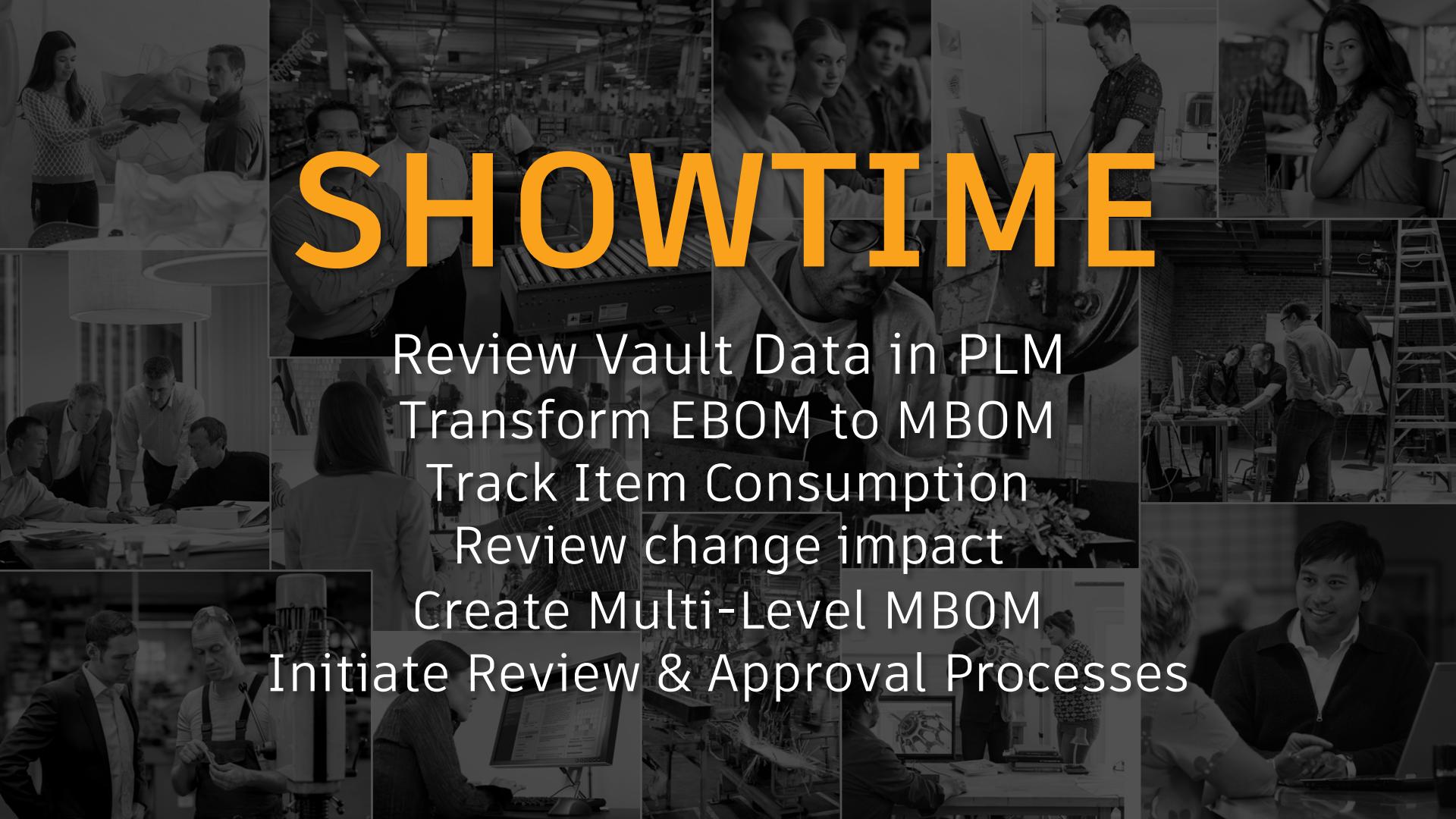


# Bill of Materials Transformation

From Engineering to Manufacturing



# SHOWTIME



Review Vault Data in PLM

Transform EBOM to MBOM

Track Item Consumption

Review change impact

Create Multi-Level MBOM

Initiate Review & Approval Processes

# Managing the transition process

Home > Vault Items and BOMs

CAD-1248 - table plate assembly [REV:w] ▾

Pending | Unreleased

Vault Item Details Attachments (1) Engineering Bill of Materials (12) Where Used (1) Part List Details (12) Relationships (0) More +

Edit

Basics (1 of 5)

Thumbnail 

Number CAD-1248  
Title table plate assembly  
Description table plate assembly  
Units Each  
Category Assembly  
CC A

Open in Vault Vault Client Vault Thin Client

Vault Item Status (2 of 5)

Lifecycle Definition	State	Revision	Last Updated	Last Updated By
Item Release	Item Release Process	Released	A	08/30/2021 CAD Admin

Manufacturing BOM (3 of 5)

Editor	MBOM Link	Last Sync	Operation Code	Is End Item	Ignore in MBOM
MBOM Transition	Open 000044 - CAD-1248 - table plate assembly [REV:w]	08/31/2021			

Details (4 of 5)

Primary File (5 of 5)

Owner and Change Summary

# Managing the transition process

## Manufacturing BOM (3 of 5)

Editor

MBOM Link

Last Sync

Operation Code

Is End Item

Ignore in MBOM

MBOM Transition

Open

000044 - CAD-1248 - table plate assembly [REV:w]

08/31/2021

MBOM Editor is available for assemblies only and reuses current user session

Related MBOM is linked and will be reused by every occurrence of this item

Timestamp is updated with every save to assess impact of changes to the design

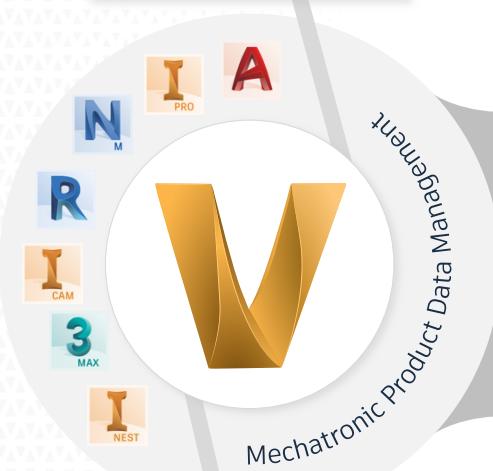
Define standard operation identifiers to drive automatic item assignment

Hide items required by engineering only

Do not expose BOM for purchased and preassembled items

# Connected Cloud Collaboration Platform

CAD Addins  
Library Management  
Concurrent Engineering



Job Processor  
Copy Design  
Duplicate Search



Product Portfolio



New Product Introduction



Enterprise Bill of Materials



Change Management



Quality Management



Supply Chain Collaboration

# Connected Cloud Collaboration Platform

CAD Addins  
Library Management  
Concurrent Engineering



Job Processor  
Copy Design  
Duplicate Search



Purchasing  
Manufacturing  
Logistics



Documents  
Item Master  
Manufacturing BOM

# Connected Cloud Collaboration Platform



# Why Vault PLM?

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Standard Enterprise BOM Management

Standard Vault Connector

Fast deployment (cloud)

ONE Change Management

BOM Effectivity Management

Manage any BOM (As Built, As Maintained)

**Ease of use**

**Flexibility & Extensibility**



# Possible Extensions

Multiple MBOMs

Select Item Sources

Edit Item Details

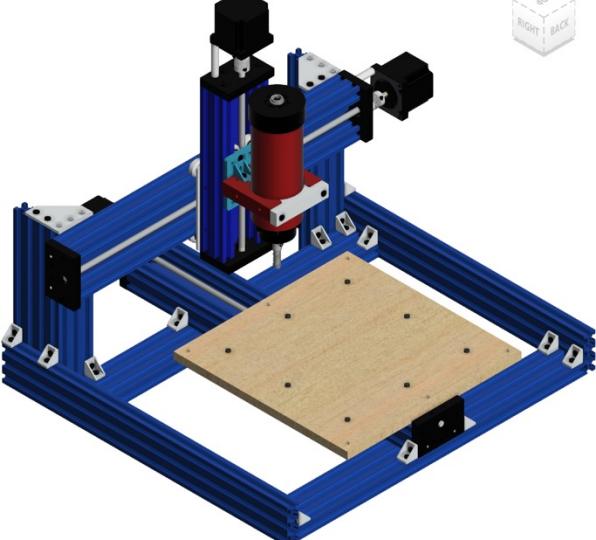
Manage Attachments

Standard Templates

Add Existing Items

Parallel Processing

Manufacturing BOM Editor  
CAD-1200 - 3 axis CNC Router



Engineering BOM

Item	Quantity	Notes	Add
CAD-1200 - 3 axis CNC Router [REV.w]	1		Add
CAD-1246 - Base Frame...	8	Blue bar	Add
CAD-1245 - Assembly ...	1	Blue bar	Add
CAD-1248 - table plate ...	1	Blue bar	Add
CAD-1215 - Low Profile ...	2	100% blue	Add
CAD-1235 - router mou...	1	Blue bar	Add
CAD-1236 - router mou...	1	Blue bar	Add
CAD-1210 - Compact Ro...	1	Blue bar	Add
CAD-1214 - End mill [RE...	1	Blue bar	Add
CAD-1244 - Assembly e...			Add
CAD-1219 - grip pin [RE...	1	Blue bar	Add
CAD-1249 - Y-Axis Asse...			Add
CAD-1242 - X-Axis Asse...			Add
CAD-1247 - beam gantr...			Add
CAD-1250 - Z-Axis Asse...			Add

Add All



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