

Manufacturing Techniques in Business Central (NAV)

Date:	TBD
Duration:	2 Days
Location:	Virtual
Instructor:	John Grant & Jenny Hollingsworth
Workshop Objectives:	
<p>This two-day workshop is intended for users who want to understand the features and functionality of manufacturing in Microsoft Dynamics 365 Business Central.</p> <p>Topics covered include:</p> <ul style="list-style-type: none"> • Raw Material & Finished Good Item Setup for Manufacturing • Creating a Production Bill of Materials • Basic Capacities (Work Centers & Machine Centers) & Routings • Creating, Processing, and Finishing a Production Order • Lean Manufacturing Capabilities for Auto Reporting of Material and Labor • Sales Order Interface to Production Orders • Reorder Policies for Purchases, Production, Transfers, and Assemblies • Setup Forecast for Planning (MPS/MRP) • Planning Worksheet (Optimizing the Creation of Purchase, Production, & Transfer Orders) • Subcontracting (Outsourcing of Production Processes) • Advanced Capacity (Infinite/Finite Methodologies) • Shop Loading (Managing Shop Floor Schedule) 	
Preparation:	
<p>What you will need for this Workshop:</p> <ul style="list-style-type: none"> • A computer with the ability to connect to the internet • A basic understanding of Microsoft Dynamics 365 Business Central • A basic knowledge of Inventory in Microsoft Dynamics 365 Business Central • A basic understanding of manufacturing terminology and processes 	



Day 1 – Manufacturing 1 Schedule	
Topic	Duration
Introductions	15 Minutes
Overview of Manufacturing Processes	15 Minutes
Item Setup for Manufacturing <ul style="list-style-type: none"> • Raw Materials • Non-Inventory Item • Finished Goods 	30 Minutes
Production BOMs <ul style="list-style-type: none"> • Basics of a Production BOM • Beneficial fields of a Production BOM • Functions of a Production BOM <ul style="list-style-type: none"> ○ Copy BOM ○ Production BOM Versions/Alternate BOMs ○ Exchange Production BOM Item ○ Delete Expired Components ○ Where BOMs are Used • Production BOM Reporting 	75 minutes
Break	15 Minutes
Routings <ul style="list-style-type: none"> • Basics of a Routing • Beneficial fields of a Routing • Functions of a Routing <ul style="list-style-type: none"> ○ Copy Routing ○ Routing Version/Alternate Routings ○ Where Routings are Used • Routing Reporting 	75 Minutes
Lunch	60 Minutes
Production Orders <ul style="list-style-type: none"> • Types of Production Orders • Manual Creation of a Production Order • Functions of a Production Order <ul style="list-style-type: none"> ○ Refresh/Update Production Order ○ Replan Feature 	60 Minutes
Production Transactions <ul style="list-style-type: none"> • Consumption Journal • Output Journal • Production Journal • Production Reporting 	75 Minutes



Day 2 – Manufacturing 2 Schedule	
Topic	Duration
Auto-Posting using Flushing Methods <ul style="list-style-type: none"> Lean Concepts of Auto-Posting Auto-Posting of Raw Materials Auto-Posting of Finished Goods 	60 Minutes
Production Order Creation from Sales Order	30 Minutes
Break	15 Minutes
Setups for Planning <ul style="list-style-type: none"> Reordering Policies Low-Level Codes Dampeners 	45 Minutes
Demand Forecasting <ul style="list-style-type: none"> Sales Forecasts Production Forecasts 	30 Minutes
Lunch	60 Minutes
Planning Worksheet <ul style="list-style-type: none"> Executing the Planning Worksheet Understanding Suggestions & Action Messages Planning Reporting 	75 Minutes
Subcontracting <ul style="list-style-type: none"> Work Center Setup Routing Setup Production Order Processing Subcontracting Worksheet Subcontracting Purchase Orders Subcontracting Reporting 	30 Minutes
Break	15 Minutes
Capacities <ul style="list-style-type: none"> Capacity Setups Work Centers/Machine Centers Registering Absences 	45 Minutes
Shop Loading – Scheduling <ul style="list-style-type: none"> Task Lists Loads Move Function Scheduling Reporting 	45 Minutes
Wrap Up <ul style="list-style-type: none"> Discuss any additional questions or concerns 	30 Minutes