

Manufacturing Techniques in Business Central

Duration:	2 Days
Location:	Group Internet – Via Microsoft Teams Meeting
Instructor(s):	Jenny Hollingsworth & John Grant
Difficulty Level	Intermediate

Workshop Objectives:

This two-day workshop is intended for users who want to understand the features and functionality of manufacturing in Microsoft Dynamics 365 Business Central.

Topics covered include:

- 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:

What you will need for this Workshop:

- A basic knowledge of Inventory in Microsoft Dynamics 365 Business Central
- A basic understanding of manufacturing terminology and processes



AGENDA: Day 1 – Manufacturing 1	
Topic	Duration
Introductions/ Overview of Manufacturing Processes	30 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



AGENDA: Day 2 – Manufacturing 2

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