ECI | MAX™

PRINTED TRAINING PROGRAM
2021

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Conversation with the Author

If you would like to discuss this course with me, please make the request using the "Contact Us" link on my website (www.micomfgsys.com). I will contact you and schedule a time. This is a free service for participants in this training course.

MAX Enterprise Resource Planning (ERP) System Overview

The following graphic illustrates the organization and structure for all 2021 training programs.

The model consists of the following departments or areas:

- MAX – Background concepts.
- Engineering.
- Customers.
- Scheduling.
- Production.
- Materials.
- Finance.
- Information Technology.
- Data & Reporting.

Please take a minute and locate the area on the model above.

Printed Training Program (PT) - Self Study

MAX - Background Concepts		Lesson			
P/N	**Course**	**1**	**2**	**3**	**4**
PT00-BCKG-01	The MAX ERP System	Sales Narratives	MAX Enterprise System Models & Modules	Module Descriptions	Third Party Module Descriptions
PT00-BCKG-02	Manufacturing Control Systems	Manufacturing Control System Models	MAX Order Number Model		
PT00-BCKG-03	Manufacturing Environments	Assessing the Environment	Working Within the Environment	Three Competitive Weapons	
PT00-BCKG-04	Conflict, Industries and Process	The Triad	Volume/Variety Matrix	Standard Processes	
PT00-BCKG-05	Manufacturing Philosophies	A Short History Lesson	Manufacturing Philosophies		
PT00-BCKG-06	Implementation Planning	The Classic Consulting Answer (3 Knobs)	Implementation Planning	Standard MAX Implementation Plan	Auditing ERP Processes for Continuous Improvement
PT00-BCKG-07	20 Keys to Effective ERP	Body of Knowledge & Corporate Culture	Software Implementation & Internal Expertise		
PT00-BCKG-08	Using Key Performance Indicators to Improve Operations	Sixteen Key Performance Indicators	Improving Operations		
PT00-BCKG-09	Strategic Planning	Strategic Planning Model			

Engineering		Lesson					
P/N	**Course**	**1**	**2**	**3**	**4**	**5**	**6**
PT01-ENG-01	Product Strategy & Structures	Overview of BOM and Structures	Part Master and Part Master Data	Visual BOM	Alternate Processes	Batch Processes	Other Engineering Issues
PT01-ENG-02	Manufacturers Part Control Cross Reference	Manufacturers Part Control					
PT01-ENG-03	Product Configurator	Overview of the Configurator Module	Configurator Setup	Configurator Operation	Convert Configured Order		
PT01-ENG-04	ECO Manager	Module Setup and Configuration	Operating the Module	The ECR Process	The ECO Process		

Customers		Lesson						
P/N	**Course**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
PT02-CUST-01	Sales Order Processing	Introduction to Sales Order Processing	System Configuration	Module Setup	Pricing Models & Discounting	Management of the Sales Order Cycle	Sales Commissions	The Consignment Model
PT02-CUST-02	Quoting & Estimating	The Quote Module						
PT02-CUST-03	Small Package Shipping	Integration to Sales Order Processing & Operation						
PT02-CUST-04	Advanced Shipping	Configuration and Setup	Operation and Integration to Sales Order Processing					
PT02-CUST-05	Warranty Tracking & Return Material Authorization (RMA)	System Configuration and Outbound Control	Inbound Control and Interface to Other Systems					
PT02-CUST-06	Electronic Data Interchange (EDI)	Introduction to EDI	Print & Rip EDI					

Scheduling		Lesson			
P/N	Course	1	2	3	4
PT03-SCHD-01	Demand Management	Demand Management	Demand Planning	How Demand Effects MAX Planning	
PT03-SCHD-02	Fundamentals of Planning	Applying Strategy	Introduction to Planning	Working With Reorder Point Planning	Effective Use of Safety Stock
PT03-SCHD-03	Master Scheduling	Fundamentals	Demand Driven MPS	MPS Tactics	
PT03-SCHD-04	Capacity Management	Efficiency, Utilization and Productivity	Rough-cut Capacity Management		
PT03-SCHD-05	Simulation	Planning Simulation			

Production		Lesson						
P/N	Course	1	2	3	4	5	6	7
PT04-PROD-01	Shop Floor Execution	Introduction & Overall Concerns	System Configuration	Lead-time & Backward Scheduling Considerations	Module Setup - Process Strategy Work Centers & Routings	Catching the Order Release Signal	Management of the Shop Order Cycle	Shop Floor Execution Communication
PT04-PROD-02	Subcontract Processing	Subcontract Processing without the Module	The Service Method of Subcontract Processing					
PT04-PROD-03	Maintenance Manager	Definitions, Configuration and Setup	Scheduling Maintenance Operations and Failure Analysis					
PT04-PROD-04	Lean Manufacturing for ERP Users	Introduction to Lean Manufacturing	The Concepts of Value and Waste	The Visual Workplace	Traditonal Lean	Non-traditional Lean Tools	Continuous Improvement	

Materials		Lesson							
P/N	Course	1	2	3	4	5	6	7	8
PT05-MATL-01	Management & Control of Stockroom / Warehouse Inventory	Inventory Management Basics	System Data & Inventory Transaction Processing System	Inventory Accuracy	Inventory Accuracy Roadmap				
PT05-MATL-02	Physical Inventory	Overview of the Physical Inventory Process	Organization Prior to the Count	The Count	Post Count and Other Related Issues	A Sample Physical Inventory Process			
PT05-MATL-03	Cycle Counting	Inventory Management	Cycle Counting Distinctions	Ten Steps to Cycle Counting					
PT05-MATL-04	Advanced Inventory Management	ABC Analysis	Inventory Turns and Days of Supply	Obsolete & Surplus Inventory	Aggregate Inventory Management				
PT05-MATL-05	Lot Tracking	Introduction to Lot Tracking	Initialization of Lot tracking	Using Lot Tracking	Recall Manager				
PT05-MATL-06	Materials Requirements Planning - Part I - Setup	Definition of Part Type Code	Identification of Codes	Introduction to Order Policies	Order Policy Review	Order Qualifiers	Forecast Consumption		
PT05-MATL-07	Materials Requirements Planning - Part II	Part Master and Product Structure	MRP Formula	MRP Mechanics	MRP Process	Understanding MRP Output and Exception Messages	Order Release Mechanisms	Working with MRP Detail	MRP Process Flow
PT05-MATL-08	Purchasing Control	Overall Concerns	Module Setup	Catching the Order Release Signal	Management of the PO Cycle	External & Internal Communication	Lead-time Considerations		
PT05-MATL-09	Subcontract Processing	The BOM Method of Subcontract Processing							

Finance

P/N	Course	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6	Lesson 7
PT06-FIN-01	General Ledger Accounting Basics & Setup	Accounting Integration Model	Account Types, Transaction & Reason Codes	Financial Integration Table Setup & Detailed Transaction Flow	Financial Integration Setup - Balancing Two Systems - MGPD			
PT06-FIN-02	Operational Accounting	Operational Accounting - Sales Orders	Operational Accounting - Purchase Orders	Subcontract Processing	Updating Material Cost Using PPV	Operational Accounting - Manufacturing Activity	Operational Accounting - Manufacturing Activity - Other Transactions	Accounting for Standard Cost Change (Revaluation)
PT06-FIN-03	Product Costing	Introduction to Product Costing and Product Cost Development	Global Variables	Purchased Material Costs	Manufactured Material Costs	Reading the Cost Roll-up Report	The Multiple Cost Option	Operating Under A Standard Cost System
PT06-FIN-04	Financial Reporting	Three Balance Accounts / Reports	From/To Charge Report	End of Period Reporting	Troubleshooting the Out of Balance Condition	The MAX Financial Statement		
PT06-FIN-05	Labor Tracking	Efficiency, Utilization and Productivity	The Labor Tacking Module	MDCM Labor Tacking Functions	The Labor Manager (LabMan) Module			
PT06-FIN-06	Advanced Financial Issues	Foreign Currency Option	Taxation	The Landed Cost Module				

Information Technology (IT)

P/N	Course	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6	Lesson 7
PT07-IT-01	MAX System Manager - All Users	System Manager Functions for All Users	Other MAX Functions for All Users					
PT07-IT-02	MAX System Manager	System Login & Security	System Administrator Options	System Configuration	Embedded Features	Database Maintenance	Command Line Processes - All	Extract, Transform & Load (ETL) Module
PT07-IT-03	Archive Manager	Introduction to the Archive Manager	Order Centric Archives / Purges	File Centric Archives / Purges				
PT07-IT-04	MAX Data Collection Module	Introduction to Bar Coding & Data Collection	MDCM Software - Server Side	MDCM Software - Client Side & Hardware Considerations	Designing Effective Data Collection Processes			

Data & Reporting

P/N	Course	Lesson 1	Lesson 2
PT08-RPT-01	Introduction to Reporting	Fundamentals of Reporting	Converting Data Into Information

D&R - Crystal Reports for MAX

P/N	Course	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6
PT08-RPT-C01	Introduction to Crystal Reports	Crystal Reports Model	Starting a New Report				
PT08-RPT-C02	Linkages & Sub-reports	Link Basics	Linking Methods	Sub-reports	Using SQL In Crystal Reports		
PT08-RPT-C03	Formulas, Variables & Parameters	Introduction to Formulas and Variables	Working With Parameters	Working With Strings	Working With Numbers	Working With Dates	Working With Internal Crystal Functions
PT08-RPT-C04	Working with Groups & Sections	Sorting, Grouping & Summary Functions	Using the Section Expert				
PT08-RPT-C05	That Darned Report Extract Table!	Intro to the Table	Working With the Table				
PT08-RPT-C06	Internal Report Timing	Precedence	Working With Internal Report Timing				

D&R - Data Structures		Lesson		
P/N	Course	1	2	3
PT08-RPT-D02	MAX Data Structures	The MAX Relational Database & Data Tables	Database Schema - Part I	Database Schema - Part II

D&R - Microsoft Excel for MAX		Lesson		
P/N	Course	1	2	3
PT08-RPT-E01	Using Microsoft Excel with MAX	Microsoft Excel Report Model	Excel Analytics - Setup and Administration	Excel Analytics - Operation

D&R - KnowledgeSync for MAX		Lesson	
P/N	Course	1	2
PT08-RPT-K01	Using KnowledgeSync with MAX	KSAA Report Model #	KSAA - Operation #

Note: Almost any On Line Training course can be held in a stand and deliver format - On-site and Remote.

ERP Software