Mixed Model
Demand Flow Technology
Training Program

The Mixed Model Demand Flow Technology training program is designed for manufacturing operations, manufacturing/industrial engineering, planning, materials and supply chain personnel responsible for designing, implementing and maintaining flow manufacturing within your, or your supplier's, facilities.

This workshop is founded on Flow, one of the five core principles of Lean as established by Womack & Jones, and utilizes the approach of Flow Manufacturing created by John Costanza. Designed by Thought Leaders with decades of manufacturing and supply chain experience, this fully interactive workshop will dramatically expand your understanding of Lean and Demand Driven Manufacturing.

This premium Demand Flow Technology training program is a 3½ day workshop that is specifically designed to combine in-depth knowledge of Mixed Model DFT design with a series of hands-on simulated factory workshops and group projects that demonstrate why Flow Manufacturing is key to transforming a company into becoming Demand Driven. Furthermore, this class will provide you with the skills to begin transforming your company. No previous knowledge of Demand Flow Technology is required as introduce the fundamentals of flow before we deep-dive into the math and science of DFT while sharing our experiences in the art of how to truly implement.

Do you want to learn the secrets of DFT Implementation? Then this is the course for you.

Course Content

DFT as a Business Strategy
- Evolution of Business and the Supply Chain
- What is the DFT Business Strategy
- The traditional approach

The Mixed Model Design Process
- Mixed Model Product Synchronizations
- Mixed Model Process Matrix with family definition tools
- Sequence of Events
- Effective Hours
- Demand at Capacity (Dc)
- Mixed Model Line Design Resource Calculations
- Optimizing TPc/t

Line Design Features
- Optional spur/feeder/fan line designs
- In-Process Kanban (IPK) sizing
- Advanced balancing techniques
- Operational Method Sheets
- Total Quality Control (TQC) practical tips for DFT operations

Inventory Management in a Demand Driven World
- Material presentation considerations
- Kanban Replenishment strategy design to support consumption of materials on the DFT Flow Line
- Demand Driven supply chain methodology

Daily Operation of the DFT Line
- Daily planning and staffing of Mixed Model flow lines/cells
- Flow Rate and Linearity

Interactive Workshops & Case Studies
- Batch Production - Simulated Factory Exercise
- Understanding Flow
- DFT Design Tools (4 group exercises)
- Operators & the Flow Environment
- Flow Manufacturing - Simulated Factory Exercise
- Operational Layout Case Study Exercise

Course Overview

During each classroom session, we introduce the specific DFT tools required to implement Demand Flow Technology in your manufacturing facility. These classroom sessions are followed by a series of simulated factory workshops and group exercises where you will be tasked with specific exercises to reinforce your understanding of the DFT toolset and how to use each tool. Moreover, these exercises are designed to simulate each stage of an actual DFT implementation.

The class will conclude with two activities to highlight the benefits of Demand Flow Technology. The first of these will be a final simulated factory workshop demonstrating how DFT reduces lead time, reduces WIP inventories, improves productivity levels and quality. Then the final group activity is a DFT implementation case study exercise to prepare an operational DFT layout for a fictional factory using the tools and skills developed over the course of the training program.

Through participation in this Mixed Model Demand Flow Technology training program, you will understand first-hand what Flow is and how your company, and ultimately the customer, will benefit from the implementation of Demand Flow Technology. This training program will provide you with a real and pragmatic process for converting your factory from forecast driven to Demand Driven, removing waste and delivering bottom-line results.

All of our Thought Leaders have been training individuals and companies from around the world in the use of Demand Flow Technology and other Demand Driven methodologies for over 15 years. The content of this training program combined with their "real life" implementation experience provides you with the required know-how to transform your manufacturing facility.

Do you want to learn the secrets of DFT Implementation? Want to become a master? Then this is the course for you!