

W O R K S H O P

A D V A N C E D M U L T I P L E

C O N S T R A I N T S Y N C H R O N I Z A T I O N

This advanced and comprehensive workshop creates a rich, one-day experiential learning environment. It will arm your team with the fundamental knowledge required to implement groundbreaking Multiple Constraint Synchronization (MCS[™]) in your manufacturing environment—and help your organization gain competitive advantage.

The *Advanced Multiple Constraint Synchronization* workshop builds on the concepts presented in the basic-level MCS workshop. It puts a special focus on strategic capacity planning, MCS master planning, modeling operations and dynamic lot sizing. This workshop will set your team on the path toward excellence in quality, cost, delivery and responsiveness performance.

YOU WILL LEARN HOW TO...

- Develop the high-mix core competencies required to attain competitive advantage in quality, cost, delivery and responsiveness performance
- Use the hierarchy of manufacturing planning and control elements applicable to a world-class high-mix manufacturing planning and control system
- Use the linkage between strategic planning and tactical planning to mitigate the problems associated with multiple moving constraints and bottlenecks
- Put together a holonic planning architecture
- Build on the fundamentals of queuing and scheduling theory
- Leverage drivers for attaining superior levels of customer service
- Differentiate the various production system types
- Correctly calculate available production capacity
- Use a unique approach to strategic capacity planning
- Model complex high-mix manufacturing operations in a unique way
- Unleash the power of dynamic lot sizing technique
- Create a sound master plan
- Set acknowledge dates that are correct greater than 95 percent of the time
- Optimize the allocation of manufacturing operations resources
- Employ a sound approach to demand management when the marketplace is your constraint

WHO SHOULD ATTEND

The *Advanced Multiple Constraint Synchronization* workshop provides a solid foundation for successfully implementing MCS in your high-mix manufacturing environment. It's designed especially for top management personnel, manufacturing engineers, planners, production supervisors, key front-line employees and other individual contributors who are responsible for leading breakthrough improvement initiatives.

PARTICIPANTS: The workshop requires 14-20 participants in two teams of 7-10 individuals

DURATION: A full day—from 8 a.m. to 4:30 p.m.

TUITION: \$980 per person, including materials

Workshops are offered in both private and public sessions.

Ask us about a forum that's right for your organization.