

PRODUCTION PREPARATION PROCESS APPLIED WORKSHOP (3P)

TWO DAYS WITH
'HANDS-ON' WORK

OVERVIEW

Inspired by Toyota's **Production Preparation Process**, our 3P Workshop offers manufacturers tools, methods, and process improvements to reduce fixed, direct and indirect product costs, and improve quality and reliability for new products and often for existing products as well.

True 3P is a process of simultaneous product and process development, and our 3P presents an event driven methodology to achieve this. Our 3P is unique in that it starts early in the development process, before finalization of a product's design, to identify and implement cost reduction and quality enhancement opportunities before major project investment occurs. We then focus on developing more production cost and quality optimization opportunities throughout the manufacturing process design, product launch and ramp-up.

WORKSHOP OBJECTIVES

With the combination of classroom and hands-on application, this workshop steps through each phase of 3P.

Design 3P Event

Participants learn innovative cost reduction and quality enhancement tools to be used before significant project costs are incurred. Key outputs include a preliminary manufacturing plan, prioritized lists of critical-to-quality and critical-to-cost improvements, capital plan, and action items to implement.

Process 3P Event

Participants are shown how value streams for both external (supply chain) and internal (factory) processes are planned and how design, process and capital optimization opportunities can be identified to achieve streamlined manufacturability.

Production 3P Event

Participants verify and finalize that all critical actions from the master action list have been completed, including qualification test data, final production launch plan, final layout for lines and cells, etc.

BENEFITS

Providing your team with effective 3P skills, and the ability to apply them, will help your organization:

- Reduce in-process-related manufacturing defects
- Improve long-term product reliability
- Virtually eliminate rework / repair activities
- Reduce unit production costs
- Enhance effectiveness of statistical process control
- Increase focus on "sensitive" design elements
- Reduce engineering / process change orders

WHO SHOULD ATTEND

- Development team
- Engineering
- Purchasing
- Decision makers from the design/development, finance, manufacturing and marketing/sales functions



PLANNING INFORMATION

This workshop is held at the client's facility. Prior to the training, Manufacturer's Edge will have a preparation meeting with you discussing issues, touring the facility, and determining the area of focus for the workshop. The details of attendees, preparation, timing, and equipment needs will be discussed. The training can accommodate up to 20 participants.

A month following the workshop, Manufacturer's Edge will meet with the team to review progress and discuss concerns. Thereafter, Manufacturer's Edge is available as needed to provide an objective perspective as you implement these new ideas and techniques. The goal is for your company to become self-sufficient with 3P techniques.

There is also an option for a one-day 3P overview of the tools and methods used to achieve optimum cost, quality and production flow.