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Clear Science Inc. Taguchi DOE Training Agenda

Session 1

Overview of Design of Experiments

- Discuss DOE Background
- Types of DOE
- Training Video Overview of Taguchi DOE
- Discuss preparation for DOE
 - Screening techniques, sensitivity studies
 - Brainstorming - ideas for experiments
 - Group decision-making techniques

Session 2

Basic Designs

Training Video - Simple Designs

- Do Exercises
- Discuss replication, noise, results
- Discuss attribute scaling
- Discuss Screening Experiments, Sensitivity Studies
- View DOE spreadsheets

Session 3

Advanced Designs

Training Video - Larger Designs

- Do Exercises (1-3)
- Discuss Interactions
- Discuss the Optimum Condition

Training Video - Customizing Taguchi Designs

- Do Exercises 4-6
- Continue Planning Experiment
- Begin DOE Layout

Session 4

Analysis of Results

Training Video - Analyzing DOE Data

- Do Workbook exercises
- Continue planning the experiment
- Decide on factors and levels
- Continue Experimental Layout

Session 5

Loss Function

Training Video - Taguchi Loss Function

- Finalize Experimental Layout
- Review DOE Software
- Take Diagnostic Test

