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Advanced Tolerance Analysis & Stack-up Tolerances (2 days)

Topics
GD&T Rule1 & Rule2 and their implications
MMC or LMC Virtual and resultant condition formulae
Analysis of position tolerances applicable for features of size <ul style="list-style-type: none">- Position at RFS- Position at MMC or LMC- Composite Position Tolerance
Functional gauges for measuring Tolerance of Position
Analysis of Run-out, Concentricity and Symmetry Tolerances
Profile Controls with Equal & Un-Equal Bilateral and Unilateral Tolerances; Composite Profile Tolerance
Feature of Size Datums; Stack-up using Datum shift
Pinned Interfaces <ul style="list-style-type: none">- Two Round Pins with Two Holes- Round Pins with a Hole and a Slot- Round Pins with One Hole and Edge Contact- One diamond Pin and One Round Pin with Two Holes
Cost Implication of Tolerance Allocation – Achieving Minimum Cost
Case studies
Questions & Answers