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Advanced Geometrical Dimensioning & Tolerancing – Level 2 **(3 day Training)**

Topics
Review of Fundamentals of GD&T
Effect of specifying MMC and LMC Modifiers with Zero Geometric Tolerance
Specialized Datum Applications; Specifying Datum Features at MMC & LMC
Pattern Feature establishing a Datum; Contoured Surface as Datum
Perpendicularity and Parallelism with two Datum References
Specifying Perpendicularity for an Axis at a projected height
Control of Orientation of Individual Line Elements of a Surface
Patterns of Features; Simultaneous and Separate Requirements
Composite Position Tolerance applied to Radial Pattern of features
Multiple Single segment Position Tolerance Controls applied to Linear, Circular and Radial Pattern of features
Bidirectional Positional Tolerancing of Features – Rectangular and Polar Coordinate Method.
Positional Tolerancing for elongated holes, Boundary Concept
Conical Positional Tolerance; Paper Gauge Techniques
Composite and Multiple Single segment Profile Tolerancing
Specifying Profile tolerance for sharp corners;
Specifying Combined Profile and Orientation tolerances
Boundary Principle used with Profile Controls
Review exercises; Question and Answers