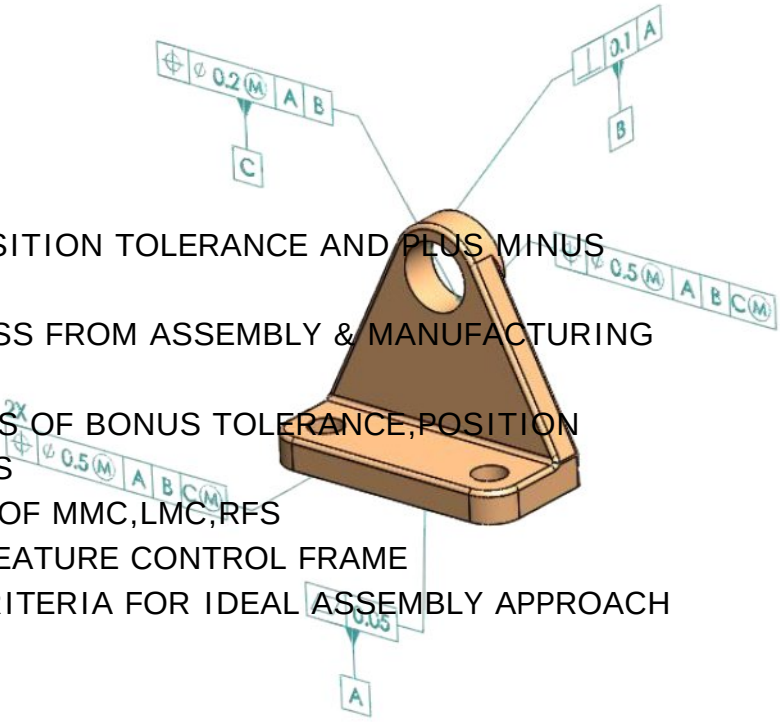
GEOMETRICAL DIMENSIONING AND TOLERANCE 3 DAY TRAINING

Day Wise Training Agenda



1ST DAY

1. IMPORTANCE OF GD&T
2. DIFFERENCE BETWEEN POSITION TOLERANCE AND PLUS MINUS TOLERANCE
3. DATUM SELECTION PROCESS FROM ASSEMBLY & MANUFACTURING APPROACH
4. CONCEPT & CALCULATIONS OF BONUS TOLERANCE,POSITION TOLERANCE CALCULATIONS
5. CONCEPT & CALCULATION OF MMC,LMC,RFS
6. CONCEPT & READING OF FEATURE CONTROL FRAME
7. TOLERANCE SELECTION CRITERIA FOR IDEAL ASSEMBLY APPROACH

2ND DAY

1. DIMENSIONING SYTEMS,UNIT SYSTEMS,FUNCTIONAL DIMENSIOING SYSTEM
2. FLOATING FASTNER CALCULATION FOR ASSEMBLY STACK AND ASSEMBLY SHIFT CALCULATION FOR ASSEMBLY CLEARANCE FIT
3. INTERFERENCE AND CLEARANCE FIT CALCULATION FOR 2 PART ASSEMBLY
4. WALL THK CALCULATION FOR SINGLE PART ANALYSIS

3RD DAY

1. BLUE-PRINT READING TECHNIQUES FOR ASSEMBLY DRAWINGS AND PART DRAWINGS
2. INSPECTION PROCESS THROUGH DIFFERENT PROCESS EQUIPMENTS LIKE VERNIER CALLIPER ETC
3. ACCEPTANCE OR REJECTION REPORTS FOR QC BASED ON GAUGE DESIGN

Topics Covered

1. ASME Symbol, Rules
2. Tolerance Selection Methods
3. Boundary Calculation, and Material Modifiers
4. Core Concepts of GD&T
5. Form, Profile, Orientation, Run out, Location Tolerance
6. Datum Structure
7. Position Tolerance and Bonus Tolerance Calculation
8. Composite Feature Control Frame
9. Inspection Methods
10. Feature control frame reading and optimization
11. Datum shift and its calculations
12. Blue Print Reading Skills
13. Creating Reports for QC Acceptance/Rejection

- ✓ It Includes 10 GD&T Projects
- ✓ Solving 300+ Drawing from 13 Different Industry Vertical
- ✓ ASME Junior GDTP Level Exam Preparation
- ✓ 24 hours Course