

# 0 PPM

- \* Predict @ Design Stage with G D & T
- \* Ensure Least Cost Tolerancing
- \* Identify & Correct Process Deviations
- \* Incorporate Intelligent Manufacturing
- \* Valuefacture



Focus  
on  
Quality

**G D & T and  
Tolerance Stack  
Up Analysis  
Services from  
EGS India**

**EGS Computers India  
Private Limited**

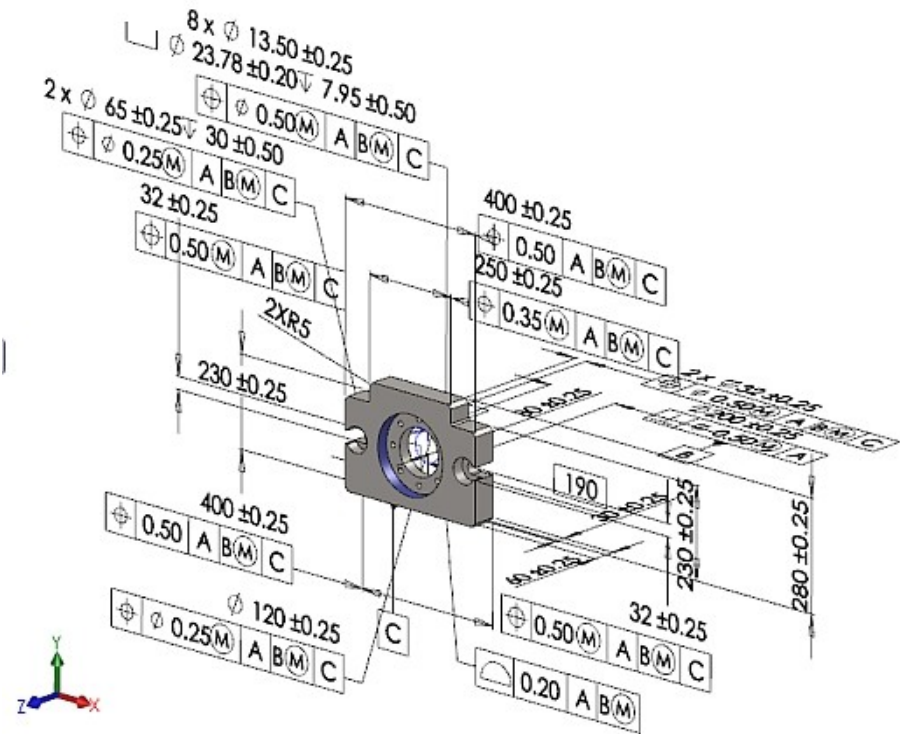
**[www.egs.co.in](http://www.egs.co.in)**

# Scope of Services

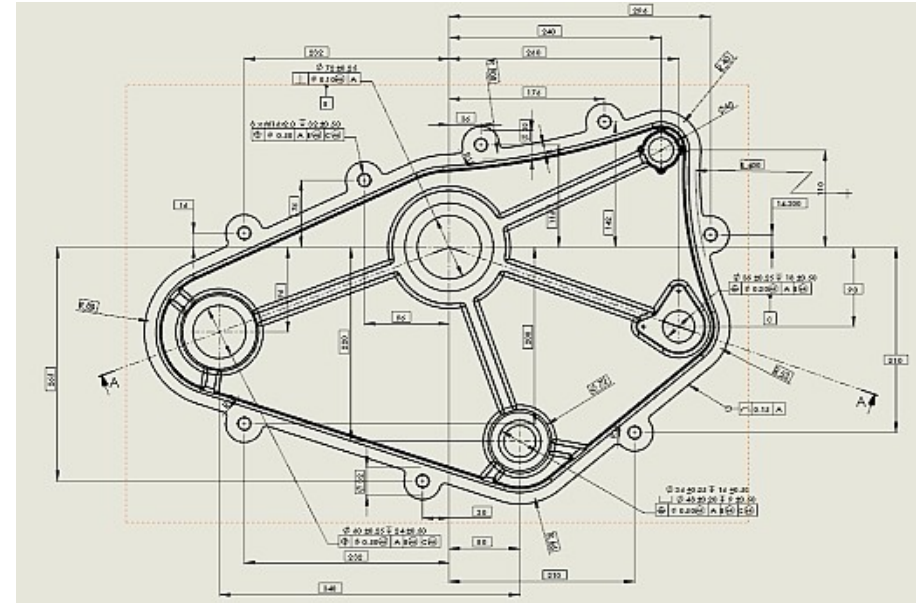
- Conversion to G D & T Drawings
- Design Engineering Services with G D & T
- Dimensional Management Service: Tolerance Stack Up Analysis Services
- Training on G D & T
- Training on Tolerance Stack Up Analysis
- Summary

# Conversion to G D & T Drawings

- Conversion of Plus-Minus Toleranced Conventional Drawings to G D & T Drawings
- Drawings generated based on ASME Y14.5 Standard
- Addressing current assembly build and quality issues
- 3D CAD annotated G D & T Drawings



- Product Design Services for Fit, Form & Function
- DFMEA Report Generation
- Toleranced Drawings according to Process Capability
- Tolerance Analysis for verifying Assembly Build & Performance
- Drawings per ASME Y14.5 Standard
- Interference checking for different Material Conditions
- Design for Six Sigma

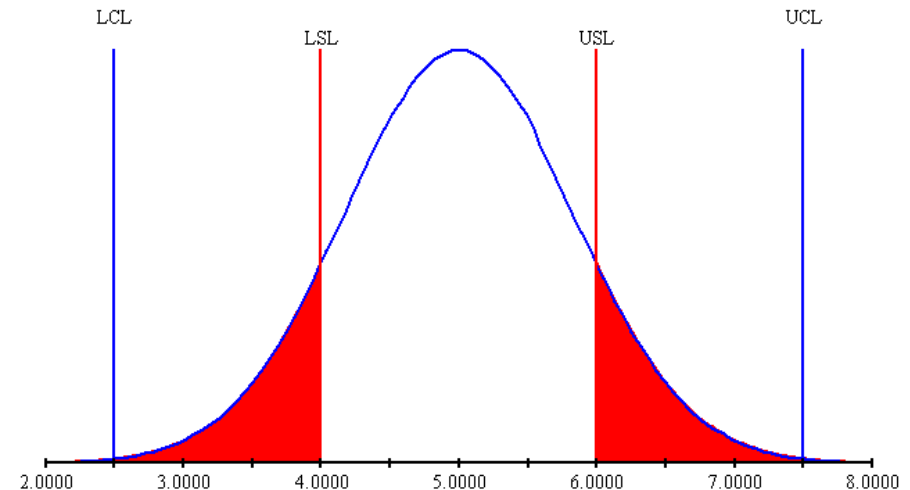


# Dimensional Management Services

- Tolerance Stack Up Analysis to predict Assembly Build Issues
- Identify key dimensional contributors and maximize tolerances
- Establish least cost tolerancing
- Integrate process capability
- Predict PPM
- Optimize tolerances for stated assembly build objectives
- Identify and bring processes back under control

## RollUp/RollDown Statistics Report Tolerance Stack Up Analysis

Specification Limits: LSL=4.0000, Nominal=5.0000, USL=6.0000  
Control Limits: LCL=2.5000, Mean=5.0000, UCL=7.5000, Mean Shift=0.0000  
Defects: %Out of Spec.=23.0140, ppm Out of Spec.=230140  
Capability: Cp=0.4000, Cpk=0.4000



Contact: [info@egs.co.in](mailto:info@egs.co.in)

# Training on G D & T

- 5-day Beginner & Advanced G D & T Training for Practising Engineers
- 3-day Advanced G D& T Training
- Hands-on Training
- ASME Y14.5 Standard
- Training by Design Specialists



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# Training on Tolerance Stacks

- 3-Day Training on Tolerance Stack Up Analysis
- Hands-on Training with practical case studies
- Introduction to Automated Tolerance Stack Up Analysis
- Least Cost Tolerancing Strategies



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## Partial List of Customers

- Ford
- UCAL Fuel Systems
- FCI Global Engineering Centre
- Honeywell (Formerly MK Electric)
- Delphi-TVS Diesel Systems
- Sujan Industries
- Stryker Global
- ELGI Equipments
- Ingersoll Rand
- NTPC