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CETOL 6 Sigma: Basic Training

Version	**No.:**
Standard	
Standard	RA-019221-EN

Audience
This course is intended for design engineers and mechanical designers. People in related roles will also benefit from taking this course.

Content

- Introduction to Tolerance Analysis:
    - Theoretical framework
    - Factors influencing analysis construction
    - Impact on manufacture and assembly
- Introduction to CETOL 6 Sigma
    - Application Overview
    - Process Overview
- Pre-Processing
    - Kinematic connection
    - Definition of evaluation
    - Create 1D and 2D tolerance chains
- Postprocessing
    - General analysis of results
    - Worst-case assessment
    - Statistical impact assessment
- Optimisation
    - Inserting and adjusting tolerance models/patterns/samples
- Integration of the manufacturing process
- Exercises with progressing levels of difficulty

Prerequisites
A basic understanding of statistical analysis Completion of a Creo Parametric introductory course or prior experience of its use Previous experience of tolerance analysis is a plus

Objectives

- Definition of tolerance models and subsequent interpretation; including the derivation of worst case and general statistical studies.
- Application of tolerance analyses on Creo Parametric parts, assemblies and drawings using CETOL 6 Sigma.

Note
SIGMETRIX

For course duration and times, please refer to the respective course date on the website

Any questions? Call or send us an email:

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