

Geometrical Dimensioning & Tolerancing for design, manufacturing and quality

with certificate

TOPICS

- Understanding geometric tolerances
- Definition of functional, production and proof-compliant datum systems
- Avoid ambiguities and uncertainties
- Creation of internationally understandable product specifications based on ISO standards

Live-Online means

- 4 Units in sequence
- 1 unit per day
- 2,5 hrs. per unit
- Desk sharing
- Lessons
- Interaction to trainer

Geometrical Dimensioning & Tolerancing for design, manufacturing and quality

- Monday – Thursday
- Daily: 09.00 – 11.30 a.m.



Content (overview)

▲ Generals of geometrical tolerancing

- Technical drawings– designers language
- What the meaning of GPS?
- Basics of tolerancing

▲ DIN EN ISO 8015

▲ Geometrical tolerances

- Datum systems - DIN EN ISO 5459
- Datum systems – Best fit
- Tolerance zones

▲ DIN EN ISO 1101

- Tolerances of form, orientation, location and run-out and their symbols
- Modifiers for parameters

▲ Principles of tolerancing

- Envelope principle
- Principle of independence accord. DIN EN ISO 8015

▲ DIN EN ISO 14405-1 – Linear sizes

▲ DIN EN ISO 14405-3 – Angular sizes

▲ DIN EN ISO 10 579

Tolerancing of non-rigid parts

▲ DIN EN ISO 22081 (DIN 2769)

- General specifications of geometrical features, linear and angular sizes
- Interactions with DIN ISO 2768

▲ DIN EN ISO 2692

- Maximum-Material-Conditions

▲ Approach for (geometrical) dimensioning and tolerancing Guideline

▲ GPS launch in the company Recommendations



Target group

Technicians, developers, designers, employees from the production, testing and quality departments as well as employees for in-company training.

Goals

- Be able to apply standards appropriately
- Be able to create drawings
- Read and understand drawings
- Recognize the connection between drawing creation and measurement technology



Contact

Questions about the seminar, technical issues or individual content for your seminar?

Your contact person: Mr. Dietmar Arndt

+49 (561) 8 79 97 -0 | mailks@casim.de