3D TOLERANCING & ANNOTATION DESIGNER

3DEXPERIENCE ROLE

LEVERAGE MODEL BASED DESIGN THROUGH FAST 3D TOLERANCING AND ANNOTATIONS FOR PRODUCTION 3D TOLERANCING & ANNOTATION DESIGNER ENABLES THE INTUITIVE, EFFICIENT AND INTELLIGENT 3D SPECIFICATION TO REDUCE MISCOMMUNICATIONS, AUTOMATE MANUFACTURING PROCEDURES AND IMPROVE PRODUCT QUALITY.

OVERVIEW

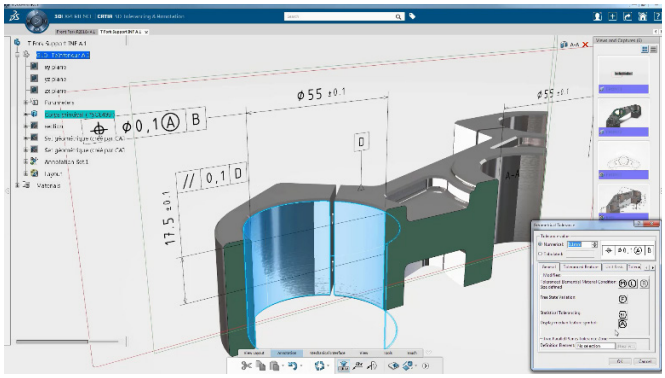
The 3D Tolerancing & Annotation designer role enables the creation of a complete design definition directly on the 3D model, eliminating the duplication of effort caused in the creation, update and interpretation in traditional 2D drawing generation.

A smart Semantic Tolerancing Advisor guides the designer to create a consistent set of tolerances and annotations, which fully define the product in 3D and are compliant with standards such as ISO, ANSI/ASME and JIS.

Non-electronics exchanges with 2D drawings is still supported while the master definition remains in 3D. By enabling to save specifications, tolerances and annotations in international 3D data exchange standards such as STEP, 3D Tolerancing and Annotation Designer fosters the Product and Manufacturing Information to be 100% in 3D.

KEY CAPABILITIES

3D TOLERANCING & ANNOTATION



- Allows full tolerancing of the product, from parts up to the assembly level.
- The Semantic Tolerancing Advisor guides the designer to be compliant with standards such as ISO, ANSI/ ASME and JIS.
- Simplifies understanding of the 3D definition with cross-highlighting of the 3D geometry and related annotations.
- Protects company know-how and Intellectual Property (IP) through 3D data filtering.
- Exports 3D master definition to the widely accepted STEP format.
- Improves productivity for families of parts with duplication of 3D tolerances and annotations.
- Re-uses any 2D definition to support conceptual design in 3D.
- Generates drawings on demand.

3DEXPERIENCE PLATFORM

With its growing solution portfolio and secure cloud technology, the 3DEXPERIENCE platform enables you to manage all facets of your product development process while reducing infrastructure costs, IT overhead, software maintenance and complexity. All 3DEXPERIENCE solutions work together seamlessly, simplifying data management, sharing and collaboration across your entire business ecosystem. 3D Tolerancing and Annotation Designer can take advantage of the following platform capabilities:

- Store all your design data in a centralized, secure location in the cloud.
- Manage the lifecycle of any type of content—such as 3D design files, simulation models and documentation—across disciplines and CAD applications.
- Streamline data management with built-in revision control and branching.
- Navigate tabular and 3D design data simultaneously, and easily validate the differences between two product structures.
- View, share, annotate, discuss, visualize and manage designs from any device with a web browser.
- Intuitively toggle between platform solutions, to design complex assemblies that include a variety of design types.

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit **www.3ds.com**.

3DEXPERIENCE®

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