



CATIA PLM Express

CATIA - 3D Master

Promote 3D as the master representation with standard-compliant semantic tolerancing

Companies using 2D drawings to capture tolerance and annotation must maintain synchronicity between 2D drawings and 3D modifications in order to share consistent and up-to-date manufacturing information. This process is time consuming and error prone and does not permit further usage of 3D tolerance analysis or metrology.

Overview

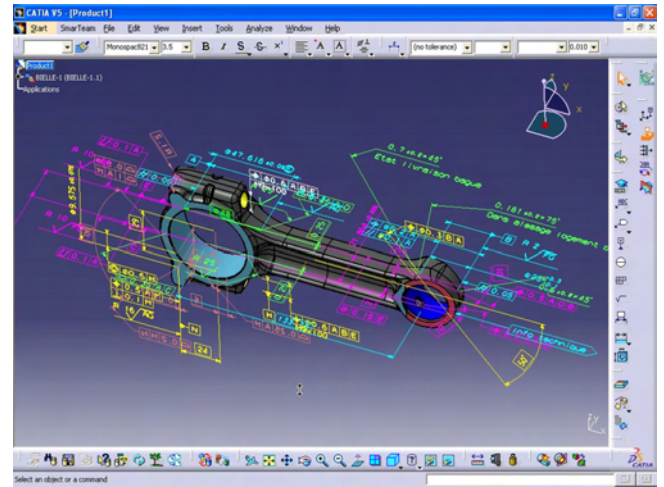
CATIA - 3D Master provides 3D definition and management of standard-compliant tolerance specifications and annotations for parts and products. It transforms 3D as the master representation, directly re-usable for manufacturing planners and shared throughout the enterprise.

Customer Benefits

- Suppresses the need for attached drawing documents
- Easily reviews and prints drawing information directly from 3D
- Respects international standards for part and product definition
- Shrinks time for part definition with already captured tolerance specifications and annotation in design templates
- Rapidly shares design specifications within and throughout the enterprise

Key Capabilities

- Wizard-like creation of 3D tolerance specifications and annotations in parts and products, fully associative to the geometry.
- Syntactic and semantic tolerancing check of the annotations, fully compliant with latest revision of major international standards.
- Displays and filters annotations in the 3D environment.
- Fast presentation of 3D tolerances and annotations in a familiar drawing layout.
- Embeds tolerance specifications and annotations inside design templates.
- Tolerance specifications and annotations directly linked to the manufacturing process.
- Pervasive sharing of the 3D tolerance specifications and annotations.



Screen capture of CATIA - 3D Master

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About Dassault Systèmes

a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 90,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit <http://www.3ds.com>

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