CATA Composer R2015x

Fact Sheet

"Add a New Dimension to Your Product Communications"
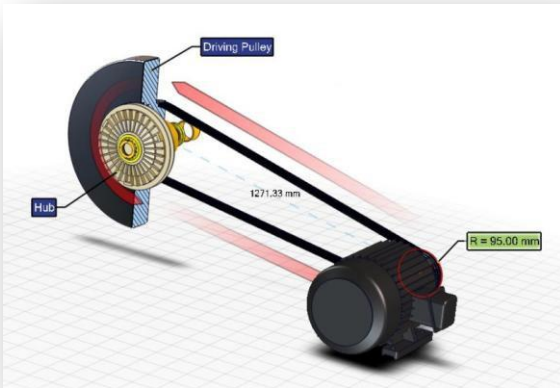
3DEXPERIENCE

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DASSAULT SYSTEMES | **IF WE** ask the right questions we can change the world.

Table of contents

1. CATIA Composer: VALUE AT A GLANCE

Today's product developers are cutting costs, saving time, and growing their competitive advantage with CATIA Composer, the next generation of 3D content authoring software. A flexible and easy-to-use desktop content creation system, CATIA Composer streamlines the creation of product documentation and technical illustrations. For more dynamic product communication needs, CATIA Composer also provides a highly efficient platform for creating animated 3D assembly and maintenance instructions, and interactive marketing communications.

Based on a lightweight XML architecture, CATIA Composer allows non-technical users to create associative 2D and 3D product deliverables directly from CAD data. CATIA Composer helps lower costs and improves time to market by enabling product deliverables to be initiated earlier and updated automatically whenever designs change. By leveraging the power of interactive 3D, manufacturers can produce technical product communications that engage viewers more effectively and clearly explain complex information.

2. CATIA Composer: Overview
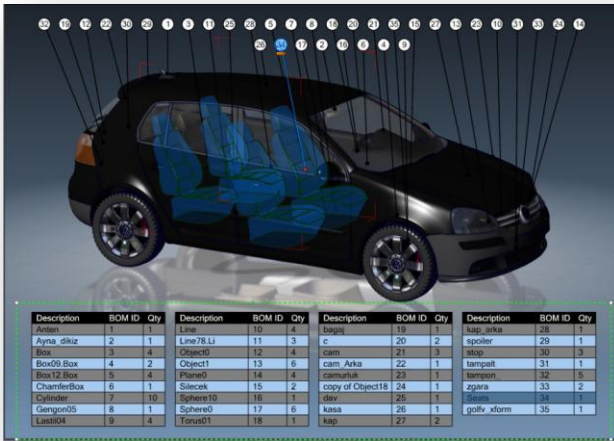
CATIA Composer revolutionizes the ability for enterprises of all sizes to communicate technical product information. With its easy-to-use desktop content-creation system, CATIA Composer quickly and easily automates creation of technical illustrations, interactive 3D animations, assembly and disassembly procedures, training applications, sales and marketing tools, and more.

2.1.   Immediate Productivity with Long term Value

CATIA Composer allows non-technical users to create associative 2D and 3D product deliverables directly from digital product data.
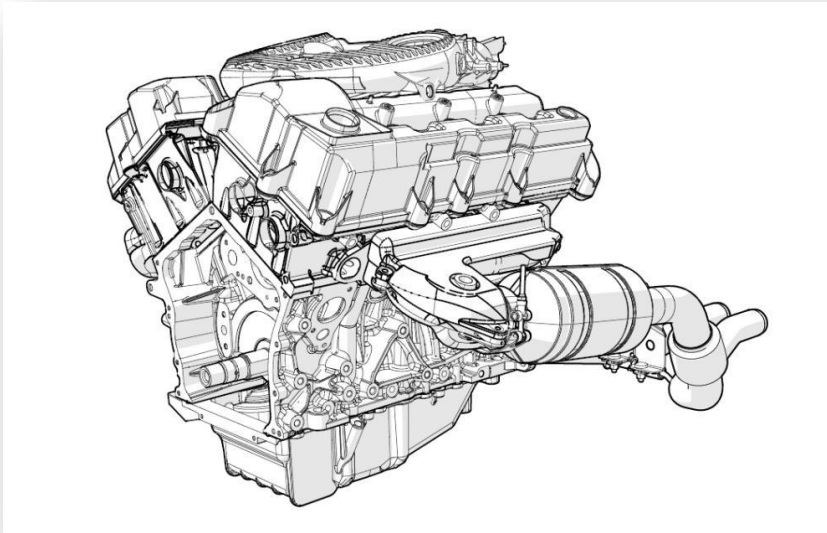
Easy to learn and use, CATIA Composer is an ideal complement to content-creation tools end-users are already familiar with, such as Microsoft® Office® applications, HTML, and PDF.

CATIA Composer ties together desktop and enterprise systems for both content consumers and content creators. Because it is an XML-based architecture, CATIA Composer is easily integrated with any enterprise information system, including product lifecycle management (PLM) and enterprise resource planning (ERP) applications.

2.2. A complete system for maximum productivity

CATIA Composer is easy to learn and intuitive to use. It is an ideal complement to existing content delivery tools such as Microsoft Office, PDF, and HTML. Even users inexperienced with 3D CAD applications easily create high quality 2D illustrations and interactive 3D animations to support technical product communications.

- o Maximize the value of existing product 3D CAD data across the enterprise.

- o Clearly communicate product intent with stakeholders during the design phase.

- o Better address sales, marketing, customer service, training, support, and manufacturing product communication needs.

- o Work in an intuitive authoring environment that does not require previous CAD experience.

o   Reduce reliance on engineers to support product deliverables.

o   Communicate technical details more clearly.

o   Begin creating product deliverables earlier in the design cycle.

o   Deliver products to market faster.

o   Keep content up to date automatically.

o   Drive down production costs.

o   Provide more comprehensive training materials.

o   Improve customer service.

o   Win new business.

2.2.1. CATIA Composer Player

CATIA Composer Player a free utility, allows content creators to distribute CATIA Composer content to any end user with the same high performance as CATIA Composer. It includes an ActiveX version offering the ability to embed and control 3D interactive content anywhere in any application that supports ActiveX technology. It also includes a plug-in to Adobe Reader to enable enhanced distribution of CATIA Composer content within a PDF file. More robust than a simple viewer, CATIA Composer Player offers content consumers a highly interactive experience with product deliverables.

CATIA Composer Player
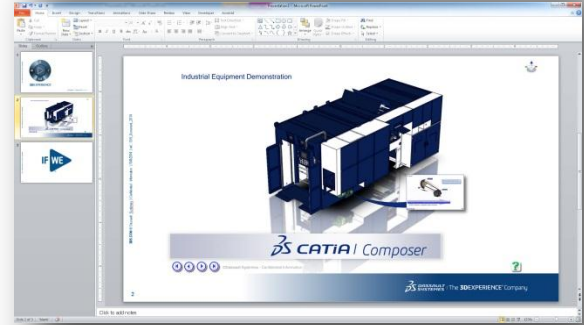
CATIA Composer Player ActiveX

CATIA Composer Player Plug-in for Adobe Reader

2.2.2. CATIA Composer Player Pro

CATIA Composer Player Pro offers a powerful API to allow users to query, manipulate, interact, and display – in real time – CATIA Composer content integrated with data originating from external sources. This enables the development of 3D interactive custom applications and creates 3D product experiences anywhere the CATIA Composer Player ActiveX can be used.

2.2.3 CATIA Composer Player Pro Publishing

CATIA Composer Player Pro Publishing provides a publishing solution for situations where a CATIA Composer Player Pro "Enterprise Deployment" is not possible, such as when an application is distributed via portable/removable media, web portals, or the Internet. In such cases, a "Publishing Deployment" is offered through the CATIA Composer Player Pro Publishing agreement and order form. The Publishing Deployment mechanism provides the licensee with a special programmatic handshake with the embedded ActiveX controls, removing the need for the end users to have a CATIA Composer Player Pro license.

2.2.4 CATIA Composer Sync and CATIA Composer Enterprise Sync

CATIA Composer Sync and CATIA Composer Enterprise Sync deliver sophisticated, XML-based associativity between CATIA Composer and any number of enterprise systems.

CATIA Composer Sync is a product to create batch conversion processes from 3D CAD and other 3D formats into the CATIA Composer format. It is designed to automatically incorporate design changes in geometry, meta data, and product structure directly into CATIA Composer content. CATIA Composer Enterprise Sync offers all of the capabilities of CATIA Composer Sync plus the ability to control conversions and updates through a command-line interface, so that converting, updating, and publishing CATIA Composer deliverables can be automated and controlled by external systems.

2.2.5 CATIA Composer Check and CATIA Composer Path Planning

CATIA Composer Check and CATIA Composer Path Planning make product deliverables more useful and instructive by validating that the procedures can actually be performed in the real world. CATIA Composer Check offers dynamic and static clash detection, allowing users to quickly qualify service and assembly procedures. CATIA Composer Path Planning can automatically create assembly and disassembly paths for parts and subassemblies to avoid collisions with the rest of the assembly. CATIA Composer Path Planning allows content creators to plan and guarantee access to components within the assembly to service or repair them.
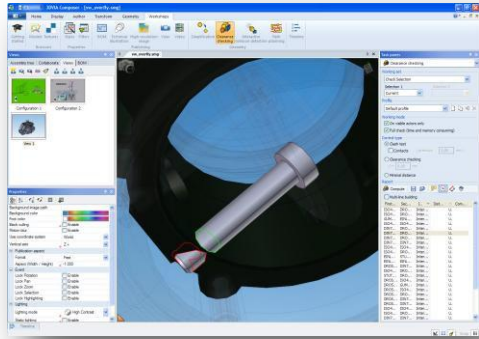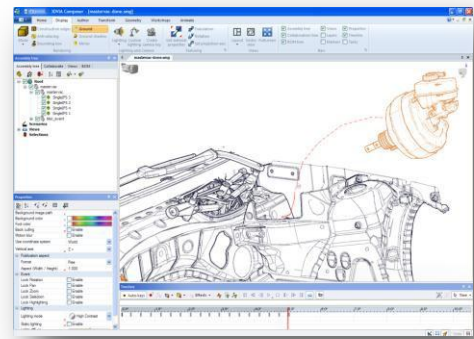
| CATIA Composer Check | CATIA Composer Path Planning |

3. CATIA Composer: R2015x Key Enhancements

CATIA Composer is the leading solution for creating highly effective product communications across all manufacturing industries. In V6R2015x, users benefit from new features and enhancements in publishing, import capabilities, measurement, viewing and authoring 2D and 3D product experiences.

## 3.1.   3DVIA Composer Becomes CATIA Composer

CATIA is Dassault Systèmes' pioneer brand. It is the world's leading solution for product design and innovation. As Composer is professional content authoring software for the communication of engineering data, it makes sense to bring it into the CATIA family.

This transition allows us to access the latest CAD technologies, ensuring CATIA Composer is up to date with current versions and features of CATIA, while maintaining the openness that made 3DVIA Composer such a powerful communication tool, regardless of CAD software used.

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3.2.   New Look for User Interface

The user interface has a clean new look and feel while maintaining the ease of use
and windows familiarity that makes Composer productive and easy to use.
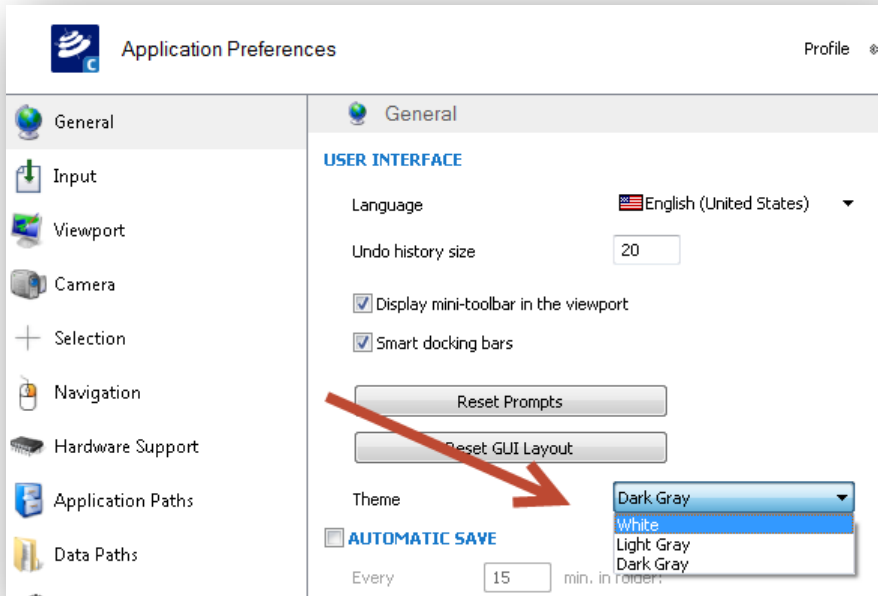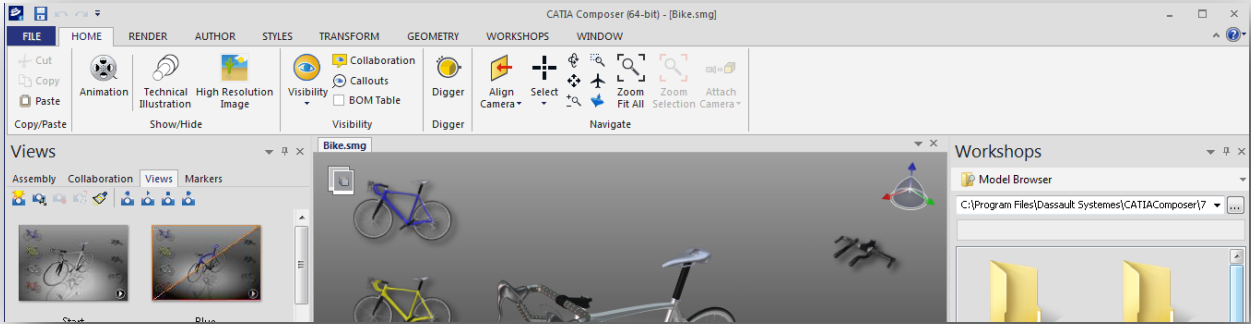
You can now
choose a theme
in the General
page of the
Application
Preferences.

## 3.3. Viewing Meta-Properties in a Customizable Display

The new Information pane offers an easy-to-read default format for viewing the meta-properties of selected actors. A couple of dedicated methods are available in the Composer API to customize the display of the Information pane according to your need
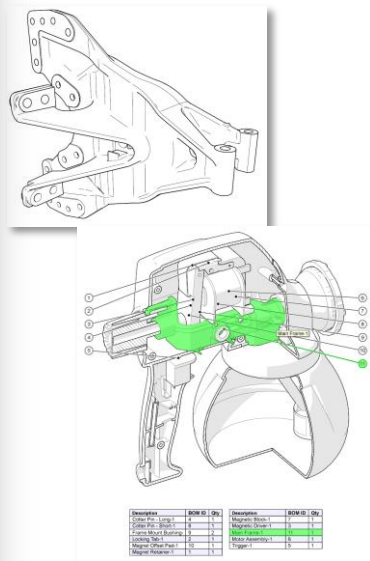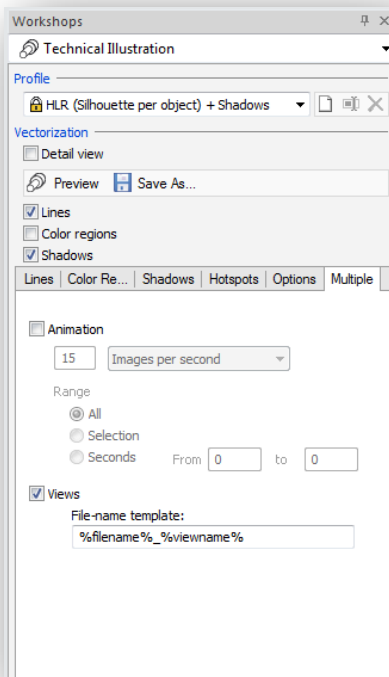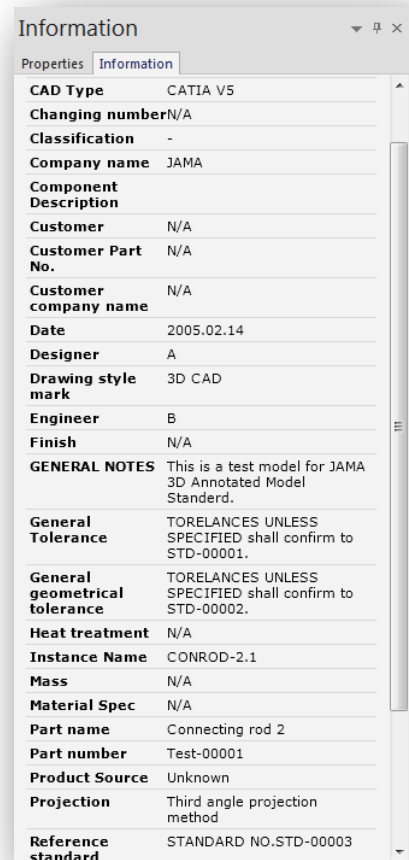
3.4. Multiple-view Output for Technical Illustration

You can now generate multiple images from your animation, views, or both, in the Technical Illustration workshop. This feature was previously Multiple-view Output for Technical Illustration available only in the High Resolution Image workshop.

This provides a better scalability of the product.

3.5. View Name Template in Document Properties
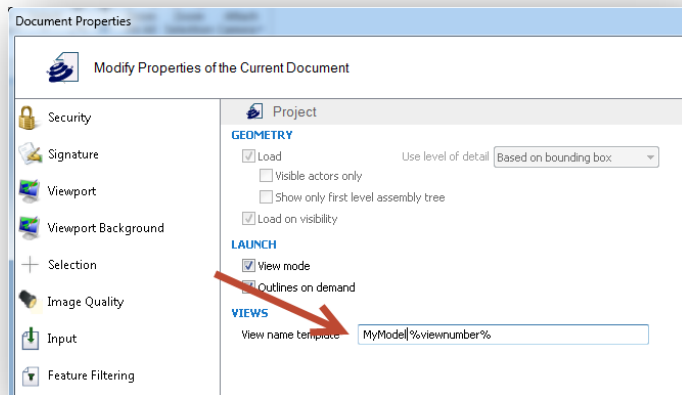
A template to create rules on view naming is now accessible from the document properties. Now the user can now have specific view name without having to rename manually all the views

3.6. Support of CATIA V5-6 R2014

CATIA V5-6 R2014 (R24) GA is now supported.

3.7. New Features in Composer Application Programming Interface

The Composer Application Programming Interface (API) has been enhanced with a number of features. For more information, see the

*Composer Programming Guide*: click **Help > Programming Guide**

Method:
To manage cross highlight settings
To prevent files dropping on the application
To rename a view
To change the view naming template
To change the display template of Information Panel
Events
Save Views
Delete Views
Re-sequence Views

3.8   Highlight Features in Construction Geometries Linked to PMI.

Both construction geometry and its connected geometry are now highlighted
when selecting PMI (Product Manufacturing Information) that is linked to
construction geometry
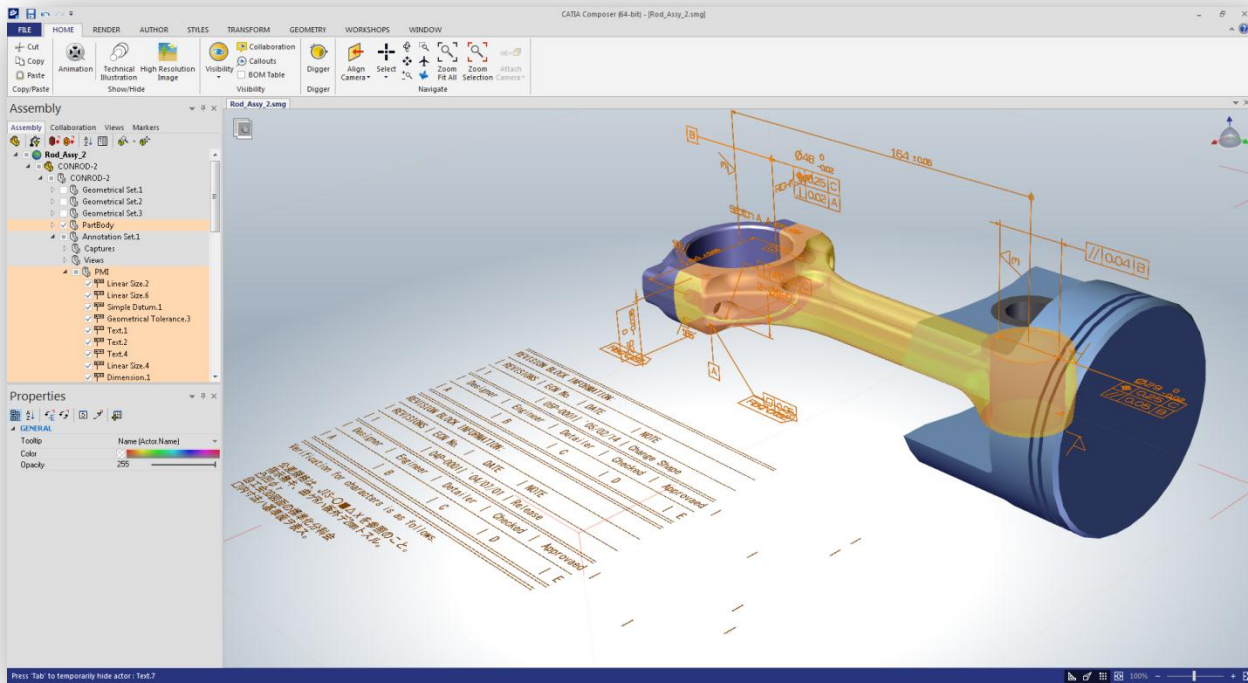
3.9   Support of No-Show Geometry in 3DXML Captures

Enhancements have been made to 3DXML import to ensure that FT&A views and
captures match the visibility status (show or no-show) of the original CATIA model, and
that you can manage this visibility status.

Note: Bodies in 3DXML need to be imported as distinct actors. Make sure that you clear
Merge file in one actor in **(Default) Document Properties > Input page.**