



# CATIA PLM Express

## CATIA - Realistic Dynamic Rendering

Outstanding visualization of your product's realistic appearance

### Overview

CATIA - Realistic Dynamic Rendering embeds powerful real time rendering technologies, making it possible to provide a highly realistic visualization of a product's appearance. It helps validate the design of the product and generates high-end marketing and sales images and videos with unsurpassed realism in the early phases of the product development process.

### Benefits

- Complete real time rendering environment enabling easy and rapid virtual design review
- Unique specification-driven approach of rendering parameters making it possible to optimize the design review and rapidly evaluate different alternatives at any time during the process
- Generation of high-end realistic photos and movies of a product's appearance making it possible to share its emotional content with customers and thereby decrease the need for physical prototypes
- Early preparation of marketing and sales campaigns by providing suitable materials at the beginning of the product development process

## Capabilities

- Creation and manipulation of materials, lights, cameras, environments and stickers
- Dynamic rendering capabilities such as reflections, shadows or adaptive texture mapping
- Intuitive and time-saving management of materials specifications thanks to the tree editor
- Highly realistic rendering quality based on the mental ray® tracing engine
- Benefits from the best in class graphic cards capabilities for powerful real time rendering
- Instant graphical feedback of any setting modifications
- Simple and powerful animation capabilities
- Ability to define reusable scene templates into catalogs



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### About Dassault Systèmes

As 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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