



CATIA PLM Express

CATIA - Reverse Engineering

The most complete reverse engineering solution to speed-up the early phase of product design

Overview

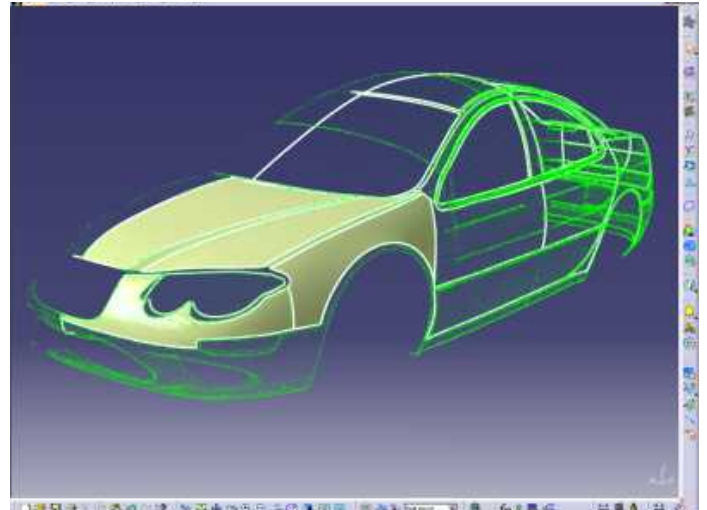
CATIA - Reverse Engineering makes it possible to quickly capture physical prototype shapes in order to enhance their style, making the 3D virtual model the design reference. It provides powerful technologies in the CATIA environment enabling to easily manipulate clouds of points and quickly transform them into high-end 3D surface shapes.

Benefits

- Integrated in the CATIA design environment, it helps reduce project costs and streamline design iterations
- Flexible manipulation of clouds of points and meshes in order to optimize the definition of digitized shapes
- Intuitive shape sculpting environment, especially for non-CAD specialists
- Robust inspection process to improve the quality of the digitized models before surface reconstruction
- Provides real freedom to engineers so that they can modify their models at any time

Capabilities

- Import and export clouds of points in various standard formats
- Smart & advanced tools to manipulate interactively clouds of points
- Powerful mesh creation from clouds of points
- Easy creation of curves and surfaces on meshes
- Robust alignment and deviation checking for inspection processes
- Powerful polygon modeler for unequalled virtual clay modeling
- Automatic surface generation from meshes
- Easy creation of closed meshes from solids and surfaces for rapid prototyping



Visit us at www.3ds.com/my-catia-plm-express

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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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