



CATIA PLM Express

CATIA - Mechanical Shape Design

First class solution for mechanical shape design

Overview

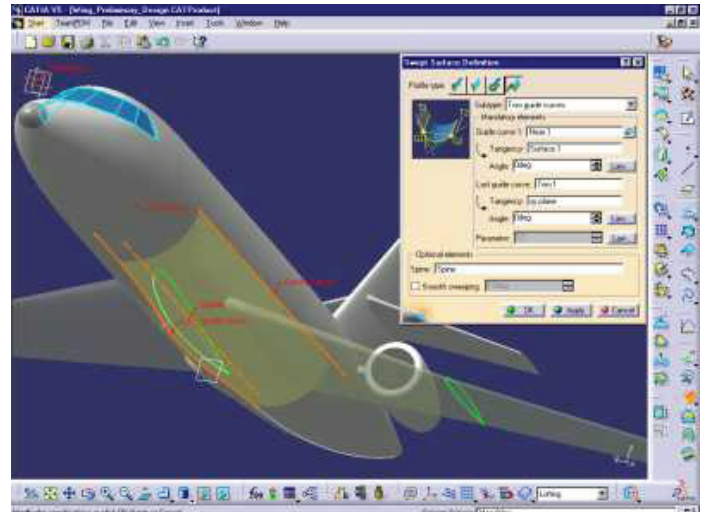
CATIA - Mechanical Shape Design provides a unique and powerful spec-driven modeling approach for the creation of high-end mechanical shapes and the intuitive manipulation of free form surfaces. This standard solution for high quality surface modeling promotes efficient concurrent engineering between styling and shape design enabling to optimize the product design workflow.

Benefits

- Recognized as the standard solution in mechanical shape design domain delivering high quality shapes
- Rapid propagation of design changes at any time for easy shape design optimization
- Automatic generation of complex hybrid shapes such as sweeps and blends
- Standard design methodology definition to speed up the design process
- Compliancy with design rules and constraints making shapes ready for manufacturing operations
- Concurrent design empowerment

Capabilities

- Smart feature-based approach to dynamically create and modify all types of wireframes and surfaces
- The most extensive set of advanced surface capabilities on the market such as adaptive sweep
- Wide set of real time analysis tools for quality checking
- Powerful law definition to capture design intent
- Unmatchable knowledge template creation and reuse for automation of design tasks
- Styled surfaces can be refined and used as references to create mechanical shapes



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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