



CATIA PLM Express

CATIA - Free Style Shape Design

Design of high-end aesthetical shapes with unrivaled freedom

In traditional systems, the design organization is messy and makes design modifications very complicated. The lack of collaboration between designers is responsible for increasing iterations and product design time. Companies must acknowledge that aesthetically appealing products are not always manufacturable.

Overview

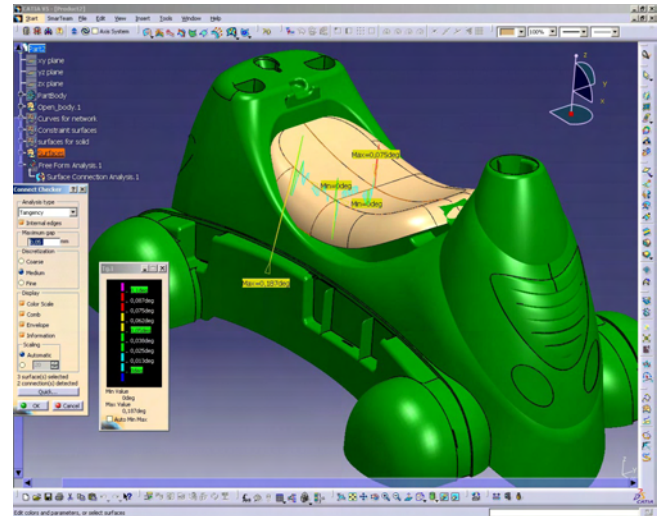
CATIA - Freestyle Shape Design is used to design details on styled shapes thanks to the powerful technology that makes it possible to transform conceptual shapes into high-end styled ones that are then ready for class-A or manufacturing processes.

Customer Benefits

- Intuitive environment enabling easy and fast design of high-end styled shapes
- Interactive deformation of aesthetical shapes based on the spec-driven approach that allows immediate propagation of design changes
- Compliancy with aesthetical shape design standards thanks to a set of dedicated analysis tools and quality checkers
- Fosters concurrent design through tight collaboration between designers and engineers in a single environment

Key Capabilities

- Unequal free-form modeler to intuitively create curves and surfaces
- Easy integration of 2D stylists' work into a 3D format
- Smart and advanced tools to dynamically deform single or multi-surface shapes
- Interactive manipulation of curves and surfaces thanks to the control points capability
- Automatic surface creation by sweeping a profile curve along multiple guides
- Unique connect checker command to simultaneously perform G0, G1 and G2 quality checking
- Advanced real time analysis tools for distance, tangency and curvature



Screen capture of CATIA - Free Style Shape Design

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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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