



CATIA PLM Express

CATIA - Multi-axis Surface Machining

Efficient and automated 2.5-axis up to 5 axis surface NC programming

Overview

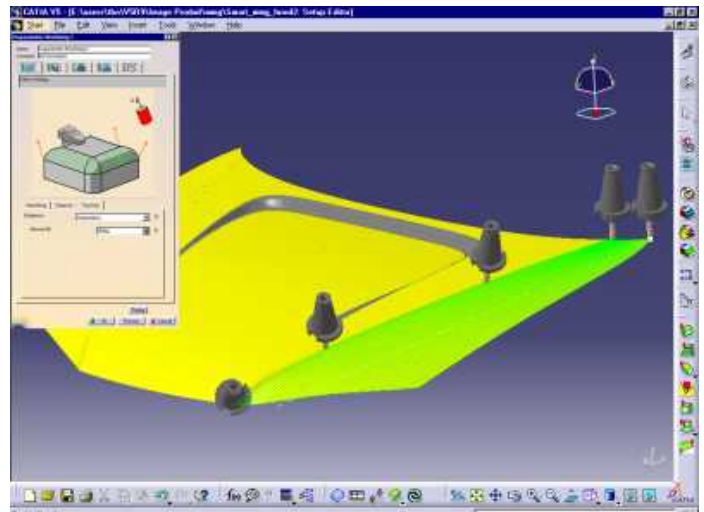
The CATIA - Multi-axis Surface Machining option delivers high-end prismatic up to multi-axis surface strategies for productive complex machining with best-in-class quality results. NC programmers benefit from full associativity with CATIA design parts, and powerful machining automation capabilities to drastically reduce NC programming and machining time.

Benefits

- Best in class surface machining quality (especially accurate scallop height calculation), faster manufacturing, ensured collision free tool paths
- Drastic reduction of NC programming time thanks to automation of the machining process
- Ultra-large NC program management and ultra-fast execution thanks to 64-bit support
- Seamless design-to-manufacturing process thanks to features recognition and full associativity in case changes are made

Capabilities

- Full set of high end 2.5, 3 and 5 axis milling and drilling operations for accurate tool path definition, including support of High Speed Milling technology:
 - Several 5-axis contouring and sweeping strategies
 - Multi-axis machining of multiple surface with full collision avoidance
- Automated detection and reworking of non-machined areas in roughing or finishing
- Powerful automation capabilities for efficient NC programming:
 - Capitalization of already defined processes thanks to machining process templates
 - Automatic sequencing, User defined Features ...
- NURBS output for five axis machining
- Accurate Verification of the tool path including simulation of material removal and analysis of remaining material in photo mode



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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TECMES

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