



CATIA PLM Express

CATIA - Machine Tool Simulation

Unique integrated environment for realistic machine and material removal simulation during machining operation definition

Overview

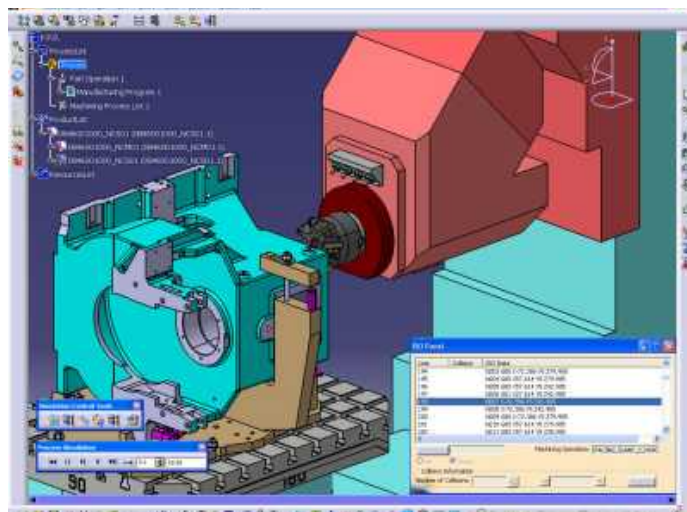
The CATIA - Machine Tool Simulation option enables NC machine ISO code-validation at an early stage to validate that the part will be machined correctly the first time. Fully integrated NC machine simulation enables the NC programmer to easily switch between tool path definition and tool path validation without losing time in data transfer or preparation, thereby reducing lead-time from programming to production.

Benefits

- Reduction of lead-time from programming to production
- Unequalled tools and machine protection investments thanks to realistic simulation
- Tool path validation during NC programming to avoid problem and modification loops, and increase process quality
- Elimination of interface issues

Capabilities

- Automatic mounting of work piece and machine setup validation
- Integrated simulation of NC machine motions and material removal based on tool paths or ISO code
- Synchronized display of ISO code during ISO based simulation
- Easy collision queue setup and detection, distance and band analysis
- Interactive modification of tool path or machining operation for collision avoidance



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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 SmartTeam. 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

MAIS INFORMAÇÕES:

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