



Digital Manufacturing & Production

DELMIA Manufacturing Engineers pack

DELMIA Machining Pack delivers basic CAD/CAM capabilities to the mid-market by delivering CATIA Mechanical Engineering and including Prismatic Machining and Machine Tool Builder capabilities. This product forms the base for advanced NC solutions such as Milling Machining, Extended Milling Machining, Turning, and NC Machine Simulation. All other V6 PLM Express extensions can be added to this pack. DELMIA Machining Pack covers a wide range of operations such as part design, parts positioning, automated mechanisms design, assembly drawing generation, based on the V6 collaborative platform. This enables true concurrent design on the same assembly and automates the design process with a robust relational design. Additionally, DELMIA Machining Pack allows the user to easily define axial and 2.5-axis milling operations, including support for High Speed Cutting technologies. Users can quickly define a tool path through an intuitive user interface based on graphic dialog boxes and powerful simulation capabilities. Using a bundled configuration of CATIA 3D Design, DELMIA Prismatic Machining, DELMIA Machine Tool Builder, ENOVIA 3D Live, ENOVIA VPM Team Central, and ENOVIA Team BOM Editor, NC Programmers and other departments in your organization can now work within a single PLM environment to efficiently manage, review, and reuse V6 work-in-progress product information. In addition, this ENOVIA product bundle enables your users to manage, manipulate, track and collaborate on product structures and Engineering Bill of Material (EBOM) throughout the product lifecycle, helping to eliminate part-redundancy, minimize errors, and expedite product-development processes.

Key capabilities

Optimized tool paths and reduced machining time

Leverage concurrent engineering

by enabling different users from different locations to work at the same time on the same assembly

Customer benefits

- Worldwide online concurrent design
- Fast design change with relational design
- Cut design time with knowledge capture to automate design
- Leverage design user experience and innovation with leading edge modeling technologies
- Realistic rendering of the virtual product
- Consistency and flexibility of drawings production
- Multi-discipline engineering
- PLM 2.0 pre-configured environment in the native user environment
- Unique search and navigation from 3D
- Manage, review and reuse V6 work-in-progress product information
- Fully secured environment
- Unique environment for documents management with native Microsoft integration
- Immersive Bill of material



Quick tool path definition thanks to an intuitive user interface

Drive design evolution in a very flexible way to drastically reduce design time. This enables to switch or substitute parts and assemblies

Rapid verification of tool path

Create a gap in design productivity and increase quality of the final product thanks to design templates and rule-based corporate standards.

Management of impacts between Engineering and Manufacturing

Provide the right tool to the right people with a complete integration from the concept to the manufacturing phase. From direct modeling with CATIA Live shape to functional modeling that preserves design intent. Heavy CAD designers or casual user can boost innovation and deliver quickly high value final product to their market.

Associativity with CATIA design tools for efficient design change management

Automatic generation of drawing from 3D mechanical design and assembly plus interactive drafting for top of professional production that integrates dress up and annotations. Deliver automatic update to improve consistency.

Machining resources in database

Real time rendering helps to interactively create and evaluate realistic renderings, test design alternatives, front load more

decisions and more images production on virtual prototypes at any time in the PLM.

Reduced administration costs and skills efforts

Collaborative platform

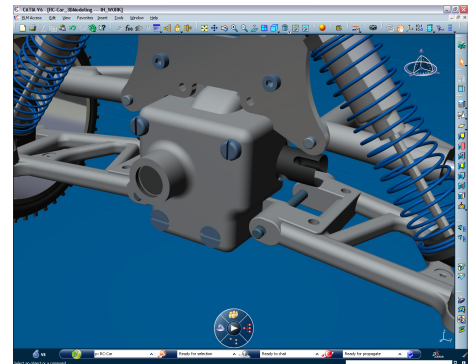
High level of automation and standardization by capture and re-use of proven manufacturing know-how

Concurrent & collaborative design

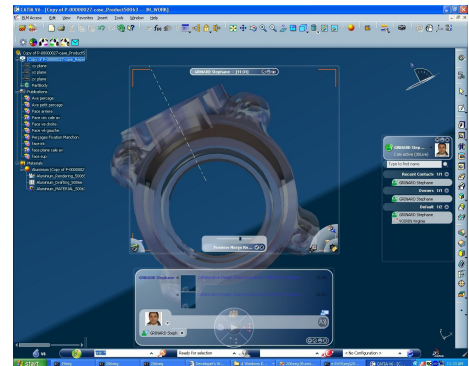
Enables enterprise-level collaboration while not disrupting the established productivity of end users. With product content being managed in the Product Lifecycle Management (PLM) environment rather than on users' PCs, organizations now are able to create, manage and review product content more securely.



Delivers basic CAD/CAM capability and forms the base for adding advanced machining capabilities.



Detail of a plastic remote car designed with CATIA Live Shape



Instant collaboration for 3D brainstorming

About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 100,000 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 to recycling. 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 - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes shares are listed on Euronext Paris (#13065, DSY.PA) and Dassault Systèmes ADRs may be traded on the US Over-The-Counter (OTC) market (DASTY).

