DELMIA V6

Extended Milling Machining

DELMIA Extended Milling Machining: Program Milling Machines with Multi-Axis Technology

NC programmers benefit from full associativity with V6 product designs and powerful machining automation capabilities which can dramatically reduce NC programming and program optimization time.

DELMIA Extended Milling Machining (EMM) is an extension to DELMIA Milling Machining (MIM) which delivers the capability to program multi-axis milling machines. NC Programmers are immersed in a V6 3D environment that delivers a lifelike experience as they create, optimize and validate their milling programs in the context of the physical machine.

Through its V6 Product Lifecycle Management (PLM) environment, DELMIA Extended Milling Machining provides easy access to machining resources, program and machine tool setup information that is always up-to-date.

This allows NC Programmers to capture and leverage the enterprise's intellectual property and collaborate with other stakeholders as they develop, validate and optimize their NC tool path programs.

DELMIA V6 Machining

Create and optimize advanced multi-axis milling tool path programs

DELMIA Extended Milling Machining offers a full set of multi-axis milling machining operations for accurate tool path definition and gives programmers the multi-axis milling solution they need to produce highly complex parts. Multi-axis milling strategies such as spiral milling, tube machining, curve following, flank contouring, helix and interpolated axis along isoparametric are all included.

Dedicated operations to boost the programming of multi-cavity parts

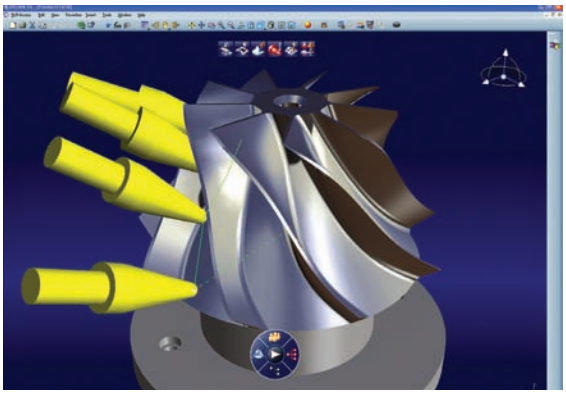
Included in DELMIA Extended Milling Machining, Power Machining and Multi-Pocket Flank Contouring capabilities increase programmer efficiency by requiring less geometry and fewer surface selections to define machining operations. This capability makes it possible to globally and automatically program multi-cavity parts (such as aerospace structural parts with thin walls), which can dramatically reduce programming time.

Support for NURBS output for Automatic Program Tools (APT) file generation

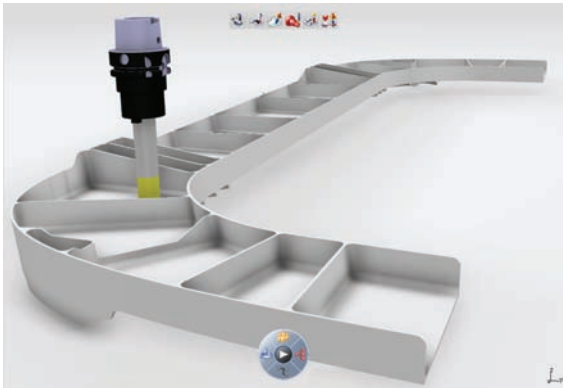
DELMIA Extended Milling Machining supports the NURBS APT file format. This allows for greater flexibility and precision when machining freeform contours and surfaces, improving the quality of the machined part while reducing the generated file size.

Product Highlights

- Single Intellectual Property platform to manage machining resources and content
- Context-based, immersive user interface
- Quick tool path verification and editing
- In-process part visualization and material removal
- High level of automation and standardization
- Product design change management
- Efficient NC data generation



DELMIA Extended Milling Machining supports machining of freeform contours and surfaces with a variety of 5-axis operations such as flank milling, helix machining, tube and isoparametric machining.



DELMIA Extended Milling Machining offers a full set of multi-axis milling operations including multi-pocketing capabilities for accurate and quick tool path definition.

About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes applications 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.

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