



# **CATIA AND DELL PRECISION™**

**An excellent combination for  
3D product design and development**



## **NEVER UNDERESTIMATE THE POWER OF COLLABORATION**

Congratulations on choosing CATIA PLM Express by Dassault Systèmes as your next generation product development platform. You've made the important decision to implement a powerful design suite to help you meet deadlines and empower your company to reach new heights.

By purchasing a CATIA-certified Dell Precision workstation with authentic Intel® multi-core processors, you'll also be able to take advantage of the powerful features in this globally recognized software for 3D product design, on a familiar Microsoft Windows-based platform. Dassault Systèmes and Dell have partnered to deliver a complete solution that works right out of the box, designed to minimize compatibility headaches or configuration hassles.



## PROFESSIONAL POWER

By choosing a Dell workstation for your CATIA solution, you've helped ensure that hardware bottlenecks won't hinder your product development timelines. Consider the following advantages:

- **Multi Core processors:** Because CATIA is often used in conjunction with simulation and finite element analysis (FEA) applications that require substantial CPU power, multi-core processors are essential for optimal performance. Dell's CATIA-certified workstations feature the latest technology dual-core or quad-core processors from Intel. And rendering any model is typically faster with more cores.
- **More than enough memory:** Even with blazing fast processors, RAM can easily become a bottleneck for 3D computer-aided design (CAD) applications. With capacity for up to 64 GB of RAM on the Dell Precision T5400, Dell workstations are designed to ensure peak performance and maximum headroom for your growing business.
- **Industry leading graphics cards:** With certified, professional graphics card options from industry leaders NVIDIA and ATI, Dell workstations can handle the OpenGL demands of even large CATIA 3D models with ease.

## DESIGNED FOR YOU

Whether you require pure performance or performance and mobility, Dell CATIA-certified workstations are designed to accommodate. Choose the Dell Precision M6300 or M4300 for workstation performance with laptop mobility. Select the T3400 desktop for affordable power and performance, or the T5400 or T7400 desktop for maximum performance with Intel Xeon® multi-core processors and large scalability. And both the T3400 and T5400 offer a quiet, convertible chassis to help maximize your placement options in the office.

## THE 64-BIT DIFFERENCE

All Dell Precision workstations are 64-bit capable depending on your choice of operating system. Microsoft 64-bit operating systems and their support of large amounts of system memory offer several benefits when running CATIA PLM Express, including:

- Digital mock-up (DMU) of large assemblies
- Generative drawing generation from very large assemblies
- Finite element analysis, especially involving assemblies
- Research and development (R&D) of complex products

In all of these areas, running CATIA on a 64-bit Microsoft Windows operating system can allow for more rapid completion of large-scale design.

# MORE TIME FOR DESIGN

By purchasing CATIA-certified Dell workstations, CAD developers can do what they do best and do it fast. With low wait time for common actions like rendering, and not having to work around performance bottlenecks while manipulating objects or complex models, engineers can be more innovative, productive, and well, happy. And that's good for business by any design.

**FOR MORE INFORMATION VISIT : [www.dell.com/precision](http://www.dell.com/precision)**



July 2008

Printed in the USA

All trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. CATIA is a registered trademark of Dassault Systèmes.

©2008 Dassault Systèmes and Dell, Inc. All rights reserved.