

ProductView™ MCAD Professional

Ultra Scalable Visual Collaboration

ProductView MCAD Professional is a universal viewer that brings 3D MCAD product models, assemblies, drawings, images and documents to everyone's desktop for comprehensive interrogation and visual collaboration—all without the need for native authoring applications.

One of the biggest issues facing manufacturers is how to efficiently share the large volume of digital product content created throughout the product development process across the extended enterprise. With its compact, yet accurate 3D viewable format, ProductView MCAD Professional allows complex product information to be quickly accessed. Now everyone can collaborate visually on product information using markups, to reduce rework and accelerate decision-making across the enterprise and beyond. And, with an available 64-bit option, ProductView MCAD Professional supports even the most massive digital product models.

Key Benefits

Accelerate the Design Process

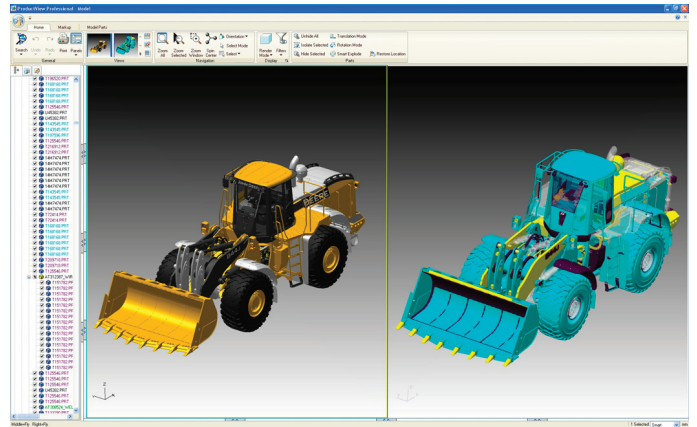
By offering comprehensive view, markup and annotation tools, and market-leading performance, ProductView MCAD Professional can accelerate the important design reviews that occur throughout the product development process. Now people around the world can simultaneously be involved in the design process. And, with its ultra-scalability, ProductView MCAD professional supports a full range of visualization, spanning from simple desktop viewing of single CAD models to the interaction with your most massive digital models of over one million parts.

Reduce IT Infrastructure Overhead

Having a single tool to view many types of detailed product data lowers the amount of overhead required from the IT department. A common, consistent interface that can access digital product definition data across the enterprise lowers expenses associated with software maintenance, product upgrades and internal training. Eliminating data interoperability issues translates into lower overhead and higher productivity.

Improve Efficiency

Productivity improves by allowing engineers to easily share visual information across the enterprise, while still permitting users to accurately measure dimensions. Not only can ProductView MCAD Professional accelerate time-to-market, but its visual collaboration and markup capabilities can also help reduce costs.



Perform powerful, color-coded searches based on property value or spatial location for rapid understanding of product status. Data courtesy of John Deere.

Increase Control and Security

ProductView MCAD Professional allows critical business documents (both drawings and 2D documents) to be securely managed when collaborating on projects both within and beyond the enterprise.

Features

Simple and Powerful Viewer

Easy and intuitive user interface enables the visualization of MCAD models, documents and images in a common, consistent experience across the enterprise.

- Instantly familiar, task-based user interface with undo/redo capabilities
- View Pro/ENGINEER® 3D drawings
- Supports a wide variety of 3D model and 2D drawing, image and document source formats
- Supports (with optional adapters) all major MCAD formats, including: CADD5®, CATIA® V4, CATIA® V5, Unigraphics®, I-DEAS®, SolidWorks®, Microstation® (DGN), and Autodesk® Inventor™
- Supports STEP AP203 and AP214 standards for exchange of product structure and geometry information
- Encompasses meta data and annotations to provide immediate reference information to the user
- Easily create smart exploded product views

Effective Markup Tools

Replace error-prone and inefficient paper processes with Web-based markup and distribution.

- Full set of markup tools for 3D models, 2D drawings, images and documents
- Manage multiple markups
- Distribute markups across the extended enterprise
- Check markups back into Windchill® or other PDM systems and associate with source file for reference
- Cut, measure, mark up and manipulate sections in real time

Filter Visual Information

Enhanced queries can utilize spatial locations to reduce the amount of information required to locate components within an image.

- Query on product attributes such as material or color
- Query based on positional location (e.g., Find bolt that is 2mm from the bottom)
- Search for product properties or components based on multiple criteria
- Perform color-coded searches by attribute or spatial location

PLM-wide Visualization

As an integral part of PTC's Product Development System (PDS), ProductView MCAD Professional enables visualization of digital data within a wide range of PTC applications, including Windchill PDMLink® and Windchill ProjectLink™. ProductView has also been integrated with other PLM (Product Lifecycle Management) systems, so it can display designs based on many CAD applications and other data formats, as well as facilitate electromechanical design collaboration.

- Measure and mark up product viewables
- Associate ProductView viewables within Arbortext® publications
- User rich watermarking to prevent uncontrolled screen shots and printing

Platform Specifications

Operating Systems:

- Microsoft® Windows® (32-bit and 64-bit): Windows Vista, XP
- Unix (64-bit): Solaris/AMD, HP-UX
- To achieve unsurpassed levels of scalability for the largest digital mockups, a 64-bit option is available – ProductView MCAD Professional (64-bit)

Languages: English, Japanese, French, German, Italian, Chinese (Simplified), Chinese (Traditional), Korean

For the most up-to-date platform support information, please visit www.ptc.com/partners/hardware/current/support.htm

Optional ProductView Add-on Modules

ProductView JT Format Option	Provides native viewing of JT format files
ProductView Toolkits (Web, Java, Office)	Use a rich set of APIs to create interactive Web pages and custom visualization applications, and to embed ProductView technology in Microsoft® applications such as PowerPoint®, using ActiveX controls
ProductView PDF Collaboration Option	Full document collaboration capabilities, including annotation, viewing and watermarking; Includes a limited Adobe® Acrobat® license
ProductView PDF Collaboration Interface	View, mark up, print and watermark PDF files (For customers who already have Adobe Acrobat license)
ProductView Adapter for PDF	<ul style="list-style-type: none"> • Server-side module to create PDF files from MS Office documents • Distill document files into PDF format for the Windchill server • Present files as collaborative representations of the original Office documents • Can be used in conjunction with the ProductView PDF Collaboration Option or the ProductView PDF Collaboration Interface
ProductView Adapters	Provides the ability to 'publish' native MCAD files to lightweight, accurate ProductView viewable formats

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