PTC® Global Product Development Package I

Manage, Search, and Collaborate on Multi-CAD Designs

Over 80% of manufacturing firms use more than one CAD application for product design. The PTC Global Product Development Package I helps these companies effectively collaborate and boost productivity across product development teams.

Without effective CAD data management, product designers face daily challenges that distract them from productively engaging in key design activities. Simply being able to find and open the latest design information created in different applications can be an insurmountable hurdle.

The PTC Global Product Development Package I, part of the PTC Global Product Development Solution, is a quick to deploy, easy-to-use solution that enables product development teams to manage, search, and collaborate on multi-CAD designs and related product content. PTC’s solution improves design reuse, broadens access to product information across roles, provides early visibility to ideas and ensures control over design versions.

Key benefits

Reduce risk

Improve design decisions and reduce errors by providing all product teams the ability to access, view, measure and markup product data. ‘Release’ status is clearly communicated through visual icons, email notifications and easy-to-read reports. Since only approved designs and changes are visible to downstream roles, the risk of scrap, delays and cost overruns associated with using the wrong part of a drawing version is significantly reduced.

Improve engineering productivity

Data management activities can be performed directly within PTC Creo®, as well as many other CAD systems, so engineers spend more time on innovative product design and less time managing data. Engineers are able to quickly find and reuse existing designs through a web-based architecture that makes CAD data and product documents globally accessible.

Growth potential

The PTC Global Product Development Package I is easy-to-adopt; delivering immediate value to smaller teams and companies. But its built on an enterprise-ready foundation that scales to meet the demands of a company as it grows. Companies can add capabilities such as engineering change management, project collaboration, or additional CAD application integrations without the need for migrating databases or training team members on additional systems.

Features

Document management

• Efficiently manage office documents such as Microsoft Word and Excel through version control and integrated check-in/check-out functionality
• Define the types of documents (e.g., specifications, requirements, test results) and specify unique attributes for each document type

• Create documents based on pre-defined templates to ensure completeness and consistency

• Control versions and iterations of all documents with direct drag-n-drop inside desktop folders

Intuitive interface for document management

Data management

• Centralized vaulting and revision control of PTC Creo and PTC Mathcad® models and structures

• Manage all PTC Creo data files and associations, including family tables, assembly-part relationships, and external simplified representations

• Searching tools, product configuration reports and easy copying/renaming of existing designs

• “Lock” parts and assemblies to prevent unwanted changes

PTC Creo Data Management

Lifecycle management

• Simple promotion process for advancing design maturity and granting broader access to product information

• Coordinate all applicable users with out-of-the-box review and approval processes

• Task notification integrated with corporate email

• Enforce standard naming conventions, versioning schemes and design processes across multiple design projects

Multi-CAD data management

• Data management commands are accessible from a consistent user interface for all CAD applications

• Check-in/check-out models directly from within Solidworks®, NX™, AutoCAD®, or Autodesk® Inventor®
Multi-CAD Data Management

Visualization

- Automatically publish 3-D viewables and derived formats such as PDF/DXF for drawings and IGES/STL for molds/rapid prototyping
  - 3-D viewable and derived format generation supports PTC Creo, Solidworks, NX, AutoCAD, and Autodesk Inventor application data types
- Enable any user to view, explode, section, rotate, and markup product data

Rapid Deployment and Optimal Performance with PTC Managed Services

For companies concerned with implementing and managing PTC Global Product Development Package I, PTC Managed Services can accelerate deployment, minimize IT requirements and ensure good performance by providing a hosted solution in a secure PTC data center with ongoing application management, performance tuning, and updates.

Platform specifications

- Server OS: Microsoft Windows® Server (64 bit), Red Hat Enterprise Linux, Solaris, AIX, HP UX
- Database: Microsoft SQL Server, Oracle
- Browser: Internet Explorer®, Firefox®, Google Chrome™
- CAD Integrations:
  - PTC Pro/ENGINEER® Wildfire 5.0, PTC Creo, PTC Creo Illustrate™, PTC Creo Schematics™, PTC Creo Elements/Direct® Drafting, PTC Creo Elements/Direct Modeling
  - AutoCAD, Autodesk Inventor, SolidWorks, NX
  - PTC Mathcad, and PTC Arbortext® IsoDraw®

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

To learn more about this package, please visit: PTC.com/solutions/global-product-development/ or contact your local sales representative.

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