

PTC Windchill® FlexPLM®

COMPREHENSIVE PLM FOR RETAIL, FOOTWEAR & APPAREL AND CONSUMER PRODUCTS

Based on our extensive experience working with world-class customers in retail, footwear & apparel and consumer products, PTC has developed a flexible, easy-to-use, enterprise PLM solution that can be implemented quickly and cost-effectively.

Why PLM – and Why Now?

Many forward-looking companies are implementing PLM solutions to meet strategic corporate goals and emerge stronger as the global economy fluctuates. With profit margins diminishing, it is more important than ever to make smart IT investments. Today, the industry is under pressure to deliver innovative, “trend-right” products to market faster – without sacrificing margin or quality. Reducing cycle time is therefore key to capturing trends that fuel consumer demand. Achieving these goals requires collaboration across key roles in both the enterprise and the supply chain – early in the product development process. For the world’s top companies in retail, footwear & apparel and consumer products, PTC Windchill FlexPLM is the solution.

Key Features

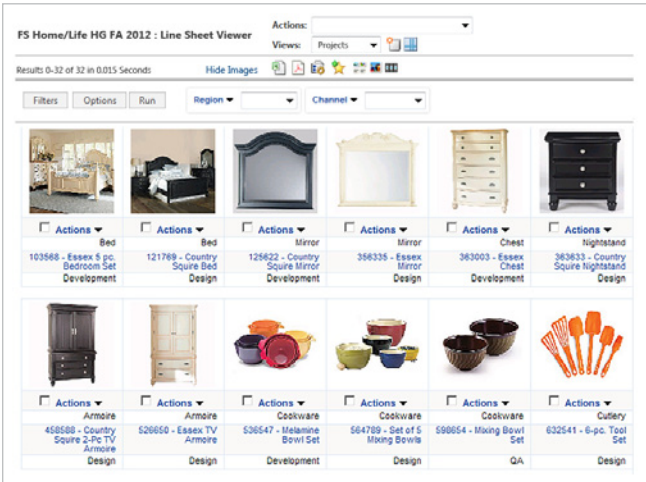
- Ease-of-use: designed specifically for the retail, footwear & apparel and consumer products markets
- Breadth of functionality: supports collaboration – early in the product development process – between merchandising, design, product development and sourcing
- Depth of functionality: supports the unique requirements of designing and manufacturing apparel, footwear, accessories, home goods and other consumer-related products

With PTC Windchill FlexPLM, PTC customers have realized significant improvements in cycle time, margin, product quality and overall operational efficiency.

Built on Proven PTC Windchill Architecture

PTC Windchill FlexPLM leverages PTC Windchill architecture – a fully integrated platform that’s been proven in process-intensive industries to improve the productivity of thousands of concurrent users. Some of the many business benefits of the software include:













- Increased operational efficiency. Enables streamlined collaboration across a global environment, ensuring that trend-right products get to market faster, without sacrificing margin or quality
- Reduced costs. Provides visibility to key cost-drivers in the product development process, enabling decision-makers to easily identify savings
- Reduced cycle time. Impacts all roles in the product development process. By enabling greater collaboration and visibility across all roles, you can eliminate inefficiencies in the product development process and ultimately reduce cycle time



FS Home/Life HG FA 2012 : Line Sheet Viewer

Results 0-32 of 32 in 0.015 Seconds

Filters Options Run Region Channel

					
103568 - Essex 5 pc. Bedroom Set Development	121789 - Country Square Bed Design	126622 - Country Square Mirror Development	368335 - Essex Mirror Design	363003 - Essex Chest Development	363633 - Country Square Nightstand Design
					
458680 - Country Square 2-Pc TV Armoire Design	526650 - Essex TV Armoire Design	536547 - Helaine Bowl Set Development	564789 - Set of 5 Mixing Bowls Design	598654 - Mixing Bowl Set QA	632541 - 6-pc. Tool Set Design

Product status for items in a line sheet is quickly communicated in easy-to-read dashboards. These dashboards offer a view into the product development process.

Capabilities

- A centralized product repository to share and control all forms of product development information throughout the value chain
- A scalable, Web-based architecture that can be optimized for maximum performance in small and large implementations, as well as across organizational and geographical boundaries
- A process management engine that enables administration of seasonal calendars, milestone tracking, and supply chain collaboration
- Direct integration with design tools such as Adobe® Illustrator™ to increase design efficiency and allow designers to work with familiar applications
- Easy-to-use vendor portal that allows suppliers to log in and collaborate in real-time on core product data
- Standards-based enterprise integration tools

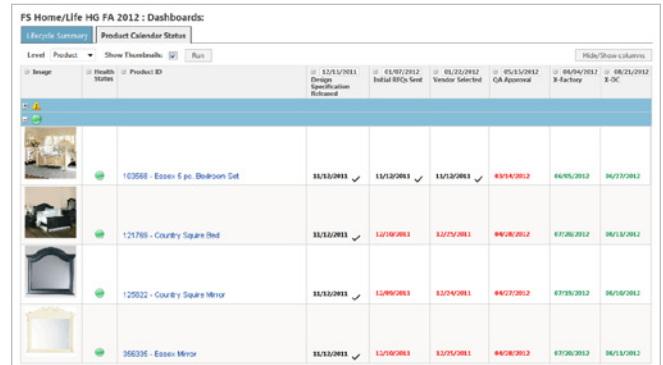
Supported Business Processes

Calendar Management/New Product Introduction

- Define seasonal calendars, including key product development milestones
- Track progress of individual products against the seasonal calendar





Concept Development

- Create storyboards of design trends, themes and concepts
- Collect and control all forms of digital product data



FS Home/Life HG FA 2012 : Dashboards

Product Calendar Status

Level	Product	Show Thumbnails	Run	11/11/2011 Design Specification Released	03/07/2012 Initial RFQ Sent	01/21/2012 Vendor Selected	05/11/2012 QA Approval	04/04/2012 R-Factory	06/23/2012 I-DC
	103568 - Essex 5 pc. Bedroom Set			11/11/2011 ✓	03/07/2012 ✓	01/21/2012 ✓	05/11/2012 ✓	04/04/2012	06/23/2012
	121789 - Country Square Bed			11/11/2011 ✓	03/07/2012 ✓	01/21/2012 ✓	05/11/2012 ✓	04/04/2012	06/23/2012
	126622 - Country Square Mirror			11/11/2011 ✓	03/07/2012 ✓	01/21/2012 ✓	05/11/2012 ✓	04/04/2012	06/23/2012
	368335 - Essex Mirror			11/11/2011 ✓	03/07/2012 ✓	01/21/2012 ✓	05/11/2012 ✓	04/04/2012	06/23/2012

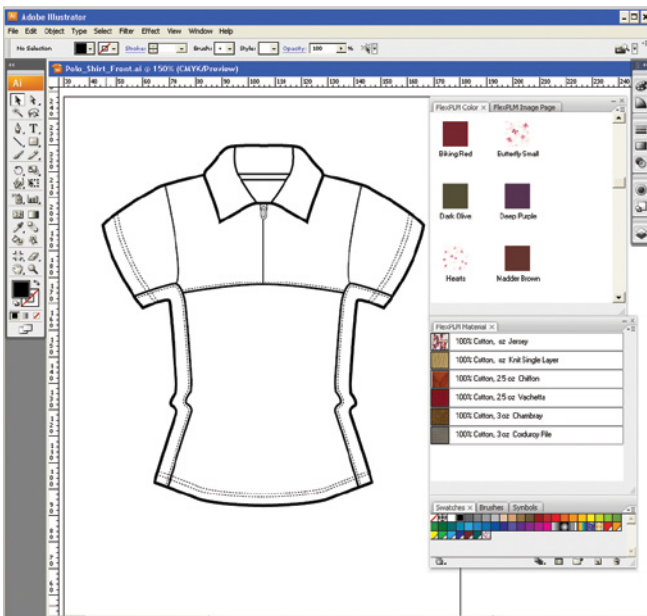
Calendar dashboards provide instant visibility into the product development process.

Merchandise Planning

- Define business plans per financial, attribute or assortment goals
- Identify seasonal contribution/targets per business objectives
- Track line development against seasonal targets
- Create product plans containing size and colorway matrices, indicating which combinations should be developed
- Communicate product plans to vendors when requesting quotes
- Leverage product plans when sending commitments to vendors

Line Planning

- Create your own role-based home page and customize how the application looks based on your specific position
- Generate product placeholders from a merchandise plan, either manually or automatically
- Optimize the merchandising mix across company, brands, regions and distribution channels
- Create line sheets and line presentation boards
- Track actual product adoption against merchandise plans



The PTC Windchill FlexPLM Adobe Design Module allows a designer to pull color and materials information from PTC Windchill FlexPLM onto the product in Adobe Illustrator.

Creative Design

- Design multiple product candidates for each placeholder in the line plan
- Create product briefs
- Manage product colorways
- Directly integrate with Adobe Illustrator
- Collaborate with online view/markup and sketches

Color Development

- Establish and enforce color definition using industry standards
- Define and regulate color usage per seasonal palettes
- Associate color to material and supplier
- Automate lab dip process
- Integrate color definition and quality control systems

Materials Development & Testing

- Formalize a comprehensive materials library structure
- Create material specifications
- Manage materials- and supplier-specific information on cost and quality
- Determine materials usage – including product and seasonal commitments
- Manage materials testing
- Track “where-used” for materials

Product Specifications Management

- Create comprehensive product specifications, including images, CAD data, bills-of-materials, size definition, measurements, construction details and bills-of-labor
- Standardize points of measure and graded measurements for apparel
- Maintain multiple levels of the specification at the product/colorway, size, region and supplier level
- Generate zip files containing both product specifications and reports in PDF format, as well as product documents. Easily export zip files and/or automatically store them with products
- Carry over best-selling products from previous seasons
- Apply multiple easy to use product-specification creation features, including Quick Specs, Advanced Copy and Linked Products

- Create Quick Specs from Adobe Illustrator to capture and communicate product concepts to vendors prior to the final assignment of sources and completed development of tech packs
- Leverage Quick Specs in RFQ and order commitment scenarios, enabling earlier visibility of product costs
- Manage specifications for product sets
- Support development of consumer products by including CAD data management as part of product specification management- easily associate CAD data to products and leverage in product specifications

Change tracking

- Track line item changes made to products, colors, sources, cost sheets and specification data
- Identify product changes using change notification icons
- Create change tracking reports to efficiently communicate and manage change throughout product development

Document version management

- Create multiple versions of a document, allowing them to evolve while maintaining traceability
- Leverage document versions to describe seasons, products, and product specifications

Sample management

- Request samples (e.g., concept, photo, prototype, fit, production, etc.) from internal or external resources
- Evaluate and provide disposition on received samples
- Track sample status and sample statistics

Supplier management

- Maintain a database of suppliers
- Manage supplier profiles, including capabilities and capacity, as well as social, technical and environmental compliance
- Search for suppliers

Early sourcing

- Create RFQ across multiple products for multiple vendors simultaneously
- Create costing templates that guide vendors in the bidding process
- Manage pricing negotiations by providing vendors with RFQ response capabilities
- Award products to one or more vendors

Commitment management

- Generate order confirmations to selected vendor(s) containing product specifications (complete specs or Quick Specs)
- Include product plan information (size/colorway combinations and volumes) for one or more products with an order confirmation
- Capture agreed-upon/negotiated costing from the RFQ process within the confirmation
- Leverage the order commitment as a PO, or export the data to ERP/PO systems

Costing

- Generate product cost based on bill-of-materials or FOB
- Conduct multi-level costing by color, size, region and distribution channel
- Create “what-if” costing scenarios

Quality management

- Increase quality control with real-time quality audit
- Manage product quality by defining testing standards based on product type
- Conduct quality audits, including in-line inspection, top-of-production and warehouse audits

Supply chain collaboration

- Support collaborative product development by sharing product information – in real-time – with the extended supply chain
- Leverage the secure vendor portal for vendors to review materials and products and update related information
- Leverage a single Web location for all product data
- Provide vendors with role-based home pages to quickly access components – such as products, RFQs, order confirmations and samples – presented in a dashboard format
- Collaborate with vendors on product design and specifications using Discussion and Subscription capabilities – both internal and external users can participate in easy-to-use discussion forums by posting topics and comments to product development data (e.g., products, materials, samples, construction details, measurements, etc.)

The proven Web-based PTC Windchill platform makes the software fully scalable and capable of handling thousands of concurrent users. Windchill technology delivers seamless compatibility with these standard Web servers and browsers:

- Java™ 2EE and Java Beans, Java Server Pages, Java Message Service, HTML, HTTP, HTTPS, XML, XSL, SOAP and LDAP

Platform specifications:

Operating Systems:

- Microsoft® Windows®
- UNIX®
- Mac OS (client only)

Browsers:

- Internet Explorer®, Mozilla Firefox®

Databases:

- Oracle®, Microsoft SQL Server®

Languages:

- English, German, French, Italian, Simplified Chinese and Japanese

For more information about PTC Windchill FlexPLM, please visit: PTC.com/products/windchill/flexplm

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