

Features

Associative eBOM-mBOM

- Easily transform an eBOM (engineering bill of material) into multiple mBOMs – while maintaining associativity – using traceability links
- Create and manage alternate BOMs describing the different manufacturing variations that can produce the same part
- View engineering designs, eBOMs and mBOMs using embedded 3D visualization provided by PTC's ProductView™ technology
- Create and revise manufacturing parts, with or without the equivalent engineering part
- Dynamically generate 3D representations and digital mockups of the mBOM
- Quickly identify and analyze discrepancies between the eBOM and mBOM

Digital Process Plans

- Define plant-specific process plans in terms of sequences and operations to describe how a part is manufactured, assembled, reworked, repaired and/or inspected
- Define process plan operations by allocating parts, resources, standard procedures, documents, and time and cost breakdowns
- Review and analyze process plan definitions in an easy-to-use, interactive Gantt chart, including resource usage and loading
- Define alternate and parallel sequences of operations, as well as alternate process plans
- Dynamically generate and view the in-process state of assembly at any operation, using embedded 3D visualization
- Directly reuse engineering data, including parts, classification, 3D mockups and manufacturing requirements such as GD &T (Geometric Dimension & Tolerance)

Integral Change and Configuration Management

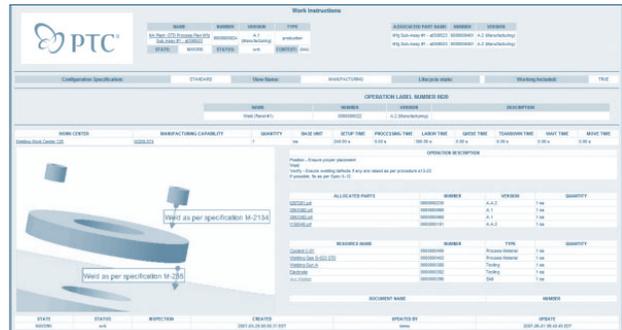
- Fully manage manufacturing configurations with revision control, lifecycle management, effectivity and access control
- Share common workflow and notification tools between Design and Manufacturing
- Facilitate change impact with visual indicators

Dynamically Generate Rich, Visual Shop Floor Work Instructions

- Generate work instructions, on demand, according to the current process plan configuration
- Access instructions via a simple Web browser
- Directly interact with 3D graphics embedded within the instructions

Manage Libraries of Resources and Manufacturing Standards

- Define and manage libraries of both physical and human resources, along with their compatibilities, which are required to perform a production activity, including plants, work centers, tooling, process materials and human skills



Windchill MPMLink dynamically generates work instructions with embedded 3D lightweight graphics.

- Manage the relationship between a resource and its CAD design, which facilitates the creation of visual aids that include both parts and resources
- Define and manage standard procedures that can be used and/or referenced within multiple process plans
- Manage manufacturing capabilities indicating how the process can be executed in terms of resources, documentation and standard procedures

Integration to Production Systems

- Electronically share manufacturing deliverables with ERP or MES systems using secure Windchill enterprise system integration technology
- Reduce total cost of ownership with out-of-the-box integration to SAP® and Oracle® Manufacturing

Platform Specifications

- Prerequisite: Windchill® PDMLink®
- Server Operating Systems:
 - Microsoft® Windows® (32-bit and 64-bit): XP®, Vista®, Windows 2003 Server
 - Unix® (32-bit and 64-bit): Solaris®, HP-UX®, AIX®
 - Linux® (64-bit): Red Hat Enterprise Linux 4
- Browser: Internet Explorer® v6.0 & 7.0; Mozilla® Firefox v2.0 & higher
- Database: Oracle 10g and SQL Server 2005
- Languages: English, Chinese (Traditional), Chinese (Simplified), French, German, Italian, Japanese, Korean, Spanish

To learn more about MPMLink, please visit:
<http://www.single-sourcing.com/>

NOTE: The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

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