

Windchill[®] Cost

REDUCE PRODUCT COSTS AND IMPROVE PRODUCT MARGINS

Windchill Cost allows manufacturers to track both target and actual cost, and provide real-time cost visibility throughout the product development lifecycle. Now you can efficiently track the cost of all parts and products, analyze the cost impact of design alternatives, and empower users to ensure products are launched at target cost. The result: optimized profit margins.

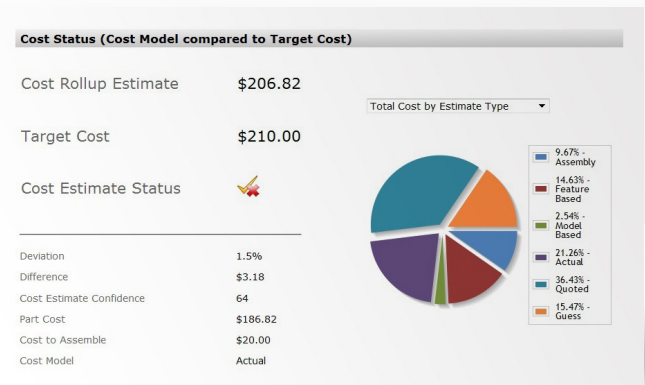
While product cost is a major concern for manufacturers, the majority of companies struggle to accurately track, measure, and communicate it beginning early in the product development process, where cost decisions have the greatest impact.

This difficulty is due to the complexity introduced by frequent changes to the bill-of-material (BOM), part design, and suppliers. While there are specific costing methods and tools that generate data to help estimate cost, they are usually relevant only at select stages of the product lifecycle. Furthermore, these tools are disconnected from the actual BOM that is managed in key enterprise business systems, such as PLM (product lifecycle management).

Consequently, changes either to the BOM or to the approved manufacturers list, for example, are typically tracked manually, and the results are not readily visible or accessible to engineers when they're making decisions regarding new parts and suppliers.

An efficient product development process relies on automatically incorporating product changes in cost analysis. This approach not only creates accurate, up-to-date cost reports, but also allows cost analysis to be performed on every product design change and product configuration.

Enter Windchill Cost—a solution that enables industry best practices and delivers real-time product cost estimates throughout the entire product development lifecycle. Windchill Cost delivers a number of important benefits: it makes product cost analytics an integral part of the standard product development process; it complements existing cost-estimate tool investments by utilizing different cost models for parts and assemblies based upon lifecycle stage; and it rolls up cost information for different BOM configurations. Above all, Windchill Cost empowers users to make smarter decisions to ensure that products meet all cost targets.



Improve product decisions by understanding the cost impact of change throughout the standard development process.

Key Benefits

Launch products at – or under – target costs

With traditional costing methods, manufacturers often wait until after the product design has been completed before they estimate product costs, so they can avoid the difficulties of incorporating frequent product changes. Unfortunately, by the time a design is complete, the majority of product costs have already been locked-in, resulting in missed targets and costlier products. A more efficient solution is to leverage real-time cost analysis in a design-to-cost process.

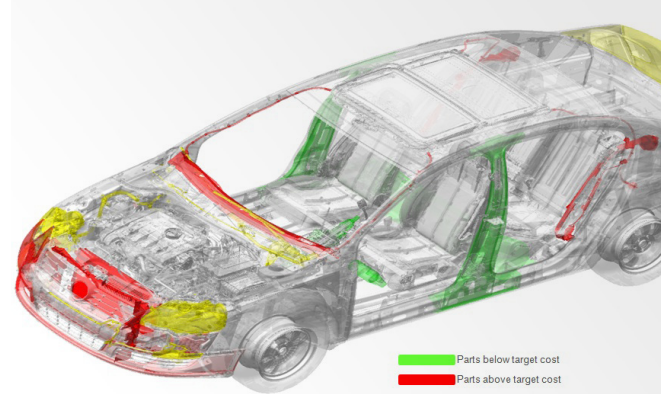
Using Windchill Cost, product designers and other stakeholders can view cost estimates for parts and products during the design process. This knowledge improves design decisions related to cost, and helps ensure that products are launched at or under target costs. Windchill Cost also allows users to view cost-driver reports and analyze “what-if” design alternatives to optimize cost performance.

Quickly review all options and configurations

Windchill Cost produces cost analysis for all product configurations, including options and variants. Product cost is calculated by rolling up costs for different BOM configurations using the selected cost model. Windchill Cost features a quick and easy way to view a visual representation showing whether or not the specified configuration meets cost targets.

Improve product margins

Windchill Cost provides easy access to real-time product cost assessments throughout the entire product development process. Employees in sourcing, supply chain, engineering and manufacturing can make better decisions by understanding the cost impact of change. With more informed cost decisions, companies can identify more opportunities for cost savings, and thereby improve their profit margins.



Drive better decisions with graphical displays of cost status for parts and assemblies.

Design to cost

With Windchill Cost, engineers always know how much a design is going to cost and if it is within targets. Features such as cost breakdown analysis, what-if scenarios, and graphical displays of part and assembly cost status allow engineering teams to understand cost drivers and explore better design alternatives faster. The net result is increased innovation, lower product costs, and on-target product launches, resulting in fewer late-cycle changes and reduced downstream costs.

Features

Multiple Cost Estimation Techniques

Windchill Cost allows users to record multiple cost estimates per part. Costs can be based on actual cost from an ERP system, estimates from the engineering group, or future projected costs.

Reporting and Analytics

Windchill Cost generates reports showing if parts and products meet cost targets, with analysis to support product costing initiatives.

- Manage cost targets, multiple cost estimates per part, and estimate confidence level for each part
- Quickly identify products that are over cost targets and view visual feedback of the parts within a product that are over cost
- Drill down into cost-breakdown analysis for products and parts
- View Pareto Analysis to understand major cost drivers for products

Systems Integration

Windchill Cost builds product costing into the standard product development process. It integrates with design and supply chain data management systems, including:

- PLM: Windchill®, Teamcenter®, ENOVIA® and others
- ERP: SAP®, Oracle® and others

Platform Specifications

- Server Operating Systems:
 - Microsoft Windows®: Windows 2008
 - Unix®: Solaris 10, HP-UX® 11i, Red Hat Enterprise® Linux 5
- Java: Java version 1.6 and higher
- Browser: Internet Explorer® v7.0 and higher, Mozilla Firefox® v3.0 and higher
- Database: Oracle 11g R2, Microsoft SQL Server® 2008
- Languages: English, Chinese (Simplified and Traditional), French, German, Japanese, Korean

Learn More

For more information on Windchill Cost, please visit:

PTC.com/products/windchill/productanalytics

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