

Answers for industry.

Parts Catalog

Create parts catalogs quickly and accurately

Benefits

- Increase catalog creation productivity
- Improve catalog applicability and quality
- Increase parts revenue and customer satisfaction
- Reduce aftermarket parts management costs

Features

Authoring:

- Generate part tables, hotspots (links) and part highlighting
- Configure output to industry standards or custom specifications
- Establish data and rules for content

Illustrating:

- Generate 2D and 3D illustrations and animations directly from CAD geometry
- Use wizards for parts explosion, sectioned views

Summary

In many industries aftermarket parts sales represent a significant revenue stream with high margins that can sometimes even eclipse revenue and profits from original product sales. To tap this market, manufacturers must produce parts catalogs that are accurate, easy to use and enable customers and service providers to identify the correct parts to order. Teamcenter® software from Siemens PLM Software, along with Cortona3D RapidAuthor software, deliver a solution that increases the productivity of authors generating 2D and 3D parts catalogs directly from engineering data. These catalogs can be published as PDF files or on the web to improve parts identification and customer satisfaction.

Business challenges

Products must launch on time to meet internal and external deadlines and planned market development. However, products must ship with proper documentation including a parts catalog. Many products are derivatives or variants of a product family which can greatly affect the configuration of parts in a specific product,

and consequently, the parts that should be used. This variation and commonness in products necessitates accurate and easy-to-understand parts catalogs used by customers and service providers. Poor catalogs reduce customer satisfaction, increase handling and shipping costs for returned and miss-ordered parts, delay service completion and negatively impact revenue.

When product changes occur during the development process, these changes must be rolled through documentation – especially parts catalogs that drive aftermarket sales. Trying to do this with traditional authoring systems can delay product launches or yield inaccurate documentation because of unincorporated changes. Teamcenter along with Cortona3D RapidAuthor provides an integrated authoring system that enables you to incorporate engineering changes throughout the lifecycle of all product information, including parts documentation. In addition, authoring and publishing these catalogs with changes incorporated should be automated whenever possible to reduce the effort and time to generate accurate catalogs.

Parts Catalog

There is a marked shift from 2D to 3D publications. 3D catalogs enable interactive manipulation of assemblies to better identify parts. Usage and generation of 3D data supports a greater amount of re-use as well with interactive training, maintenance and assembly instructions.

Teamcenter parts catalog functionality

With an emphasis on supporting authoring and publishing within the same PLM environment as product development, Teamcenter enables you to have easy access to up-to-date product design data critical to parts catalogs. You can also use Teamcenter to maintain change processes throughout all product data and documentation. Utilizing the Cortona3D RapidAuthor authoring and publishing suite, technical publication authors can interact directly with engineering design geometry and bills of material (BOM) and rapidly create nearly complete draft catalogs that reflect accurate product descriptions. Authors can retrieve the product's BOM and drag it directly into their author session; and by using automatic conversion tools, they can generate 2D and 3D illustrations of parts and assemblies.

Teamcenter enables joint authoring of text and graphics with the ability to consolidate and manipulate assemblies in 3D. Hierarchical page structures can be created to build the parts catalog content and generate part tables, hot-spotted 2D images and parts linked to 3D assemblies. Authors can explode and section assemblies, establishing the best point of view for users in the context of the greater product assembly. Configurable metadata from the PLM environment supports parts applicability, effectiveness and interchangeability to govern what appears in a specific parts catalog by customer, product model or product revision.

Publication of parts catalogs supports HTML, 2D and 3D PDF, output to interactive electronic technical manuals (IETM) support, as well as custom delivery formats as needed. Output is automatically formatted using the RapidAuthor tool. Published assemblies can be rotated to support specific tasks or viewpoints, while linked part and information highlighting means fewer mistakes in finding the right part.

The combined technical publishing and PLM capabilities of Teamcenter supports authoring and publishing of data in S1000D, DITA, ATA and custom catalog structures, allowing you to address the special needs of your industry or customers while aligning technical documentation requirements and data with product development data and processes.

Features continued

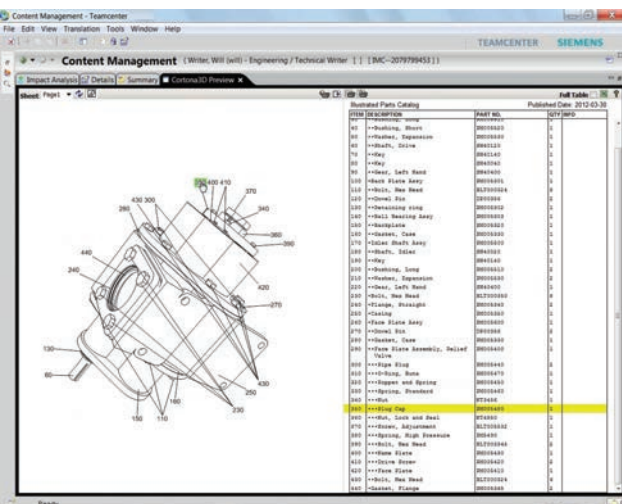
- Define 2D and 3D views for reader context

Publishing:

- Format and publish to HTML, 2D/3D PDF and interactive parts catalogs
- Define page views, viewpoint, parts shown/ listed and color
- Output parts list to Excel
- Integrate with ecommerce systems and ERP for online shopping, etc.

Catalog Consumer:

- Work with free, interactive online viewer
- Toggle between 2D and 3D views
- Drill down context-sensitive sheets



Contact

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